

Всички цитати (първа част - на научни публикации)

- **Звено:** (ИОМТ) Институт по оптически материали и технологии „Академик Йордан Малиновски”
- **Година:** 2023 ÷ 2023
- **Тип записи:** Записи, които влизат в отчета на звеното

Брой цитирани публикации: 390

Брой цитиращи източници: 923

Коригиран брой: 917.771

1977

1. **Nikolova, L., Todorov, T.** Volume amplitude holograms in photodichroic materials. *Optica Acta: International Journal of Optics*, 24, 12, Taylor & Francis, 1977, ISSN:1362-3044, DOI:<https://doi.org/10.1080/713819480>, 1179-1192. SJR (Scopus):1.019

Цитира се в:

1. X. Tan, X. Lin, J. Zang, F. Fan, J. Liu, Y. Ren, J. Hao. "Advances in Multi-Dimensional Modulated Holographic Data Storage". *Acta Optica Sinica* **1.000** (IF2022: 1.6, Q4), volume 43(15), art. no. 1500004 (25 pp), 2023. DOI : 10.3788/AOS230741, @2023 [Линк](#)

1978

2. **Nikolova, L., Todorov, T., Stefanova, P.** Polarization sensibility of the photodichroic holographic recording. *Optics Communications*, 24, 1, Elsevier, 1978, ISSN:0030-4018, DOI:[https://doi.org/10.1016/0030-4018\(78\)90263-8](https://doi.org/10.1016/0030-4018(78)90263-8), 44-46. SJR (Scopus):1.238, JCR-IF (Web of Science):2.335

Цитира се в:

2. X. Tan, X. Lin, J. Zang, F. Fan, J. Liu, Y. Ren, J. Hao. "Advances in Multi-Dimensional Modulated Holographic Data Storage". *Acta Optica Sinica* **1.000** (IF2022: 1.6, Q4), volume 43(15), art. no. 1500004 (25 pp), 2023. DOI : 10.3788/AOS230741, @2023 [Линк](#)

1984

3. **Nikolova, L., Todorov, T.** Diffraction efficiency and selectivity of polarization holographic recording. *Optica Acta (cera: Journal of Modern Optics)*, 31, 5, Taylor & Francis, 1984, ISSN:0030-3909, DOI:<http://dx.doi.org/10.1080/713821547>, 579-588. SJR (Scopus):1.019

Цитира се в:

3. G.M. Zharkova, S.A. Streltsov. "Filtration Properties of Polarization Holographic Gratings Recorded in Liquid Crystal Composites". *Liquid Crystals and their Application (IF2022: 0.5, Q4)*, Vol. 23(1), pp. 50-57, 2023., @2023 [Линк](#)
4. K.H. Wu, C.Q. Chen, Y. Shen, Y. Cao, S. Li, I. Dierking, L. Chen. "Trajectory engineering of directrons in liquid crystals via photoalignment". *Soft Matter (IF2022: 3.4, Q2)*, Vol. 19, pp. 4483-4490, 2023. <https://doi.org/10.1039/D3SM00377A>, @2023 [Линк](#)
5. Y. Chen, C.K. Lee, C.T. Wang, S.C. Jeng. "Development of a compact broadband circular dichroism spectropolarimeter for circular polarizer applications". *Optics and Lasers in Engineering (IF2022: 4.6, Q1)*, Vol. 163, art. no. 107480 (5 pp), 2023. <https://doi.org/10.1016/j.optlaseng.2023.107480>, @2023 [Линк](#)
6. Y. Gu, Y. Zhang, J. Lin, H. Zhao, H. Ma, H. Yao, M. Kang, B. Fu, S. Liu. "The fabrication of high-performance diffraction gratings via vibration-assisted UV nanoimprinting lithography". *Colloids and Surfaces A: Physicochemical and Engineering Aspects (IF2022: 5.2, Q2)*, Vol. 679, art. no. 132569 (17 pp), 2023. <https://doi.org/10.1016/j.colsurfa.2023.132569>, @2023 [Линк](#)
4. Todorov, T, **Nikolova, L., Tomova, N.** Polarization holography. 1: A new high-efficiency organic material with reversible photoinduced birefringence. *Applied Optics*, 23, 23, OSA (Optical Society of America), 1984, ISSN:0003-6935, DOI:<https://doi.org/10.1364/AO.23.004309>, 4309-4312. SJR (Scopus):1.667, JCR-IF (Web of Science):1.707

Цитира се в:

7. A. Slyusarchuk, D. Yaremchuk, J. Lintuvuori, M. R. Wilson, M. Grenzer, S. Sokolowski, J. Ilnytskyi. "Aided- and self-assembly of liquid crystalline nanoparticles in bulk and in solution: computer simulation studies". *Liquid Crystals (IF2022:2.2, Q2)*, Vol. 50, pp. 74-97, 2023. <https://doi.org/10.1080/02678292.2023.2169872>, @2023 [Линк](#)
8. CAZAC Veronica, "Development of digital holographic microscope for the investigation of diffractive optical elements recorded on chalcogenide glasses and azopolymer thin films", Doctoral Thesis in Physics, STATE UNIVERISTY OF MOLDOVA, DOCTORAL SCHOOL OF NATURE SCIENCES, @2023 [Линк](#)

9. D. Nazarova, L. Nedelchev, N. Berberova-Buhova, G. Mateev. "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". *Nanomaterials* (IF2022:5.3, Q1), volume 13, art. no. 2946 (38 pp), 2023. <https://doi.org/10.3390/nano13222946>, @2023 [Линк](#) 1.000
 10. E. Dzik, P. Datin, J.-P. Dognon, C. Fajolles, C. Wiertel-Gasquet, D. Carrière, F. Ladieu. "Simultaneously measuring the dichroism and the dielectric response of an azobenzene-doped organic glass former". *Review of Scientific Instruments* (IF2022: 1.6, Q3), vol. 94(12), art. no. 123904, 2023. <https://doi.org/10.1063/5.0170213>, @2023 [Линк](#) 1.000
 11. G. Nakajima, M. Kondo, M. Sakamoto, T. Sasaki, H. Ono, N. Kawatsuki. "Photo-Durable Molecularly Oriented Liquid Crystalline Copolymer Film based on Photoalignment of N-benzylideneaniline". *Polymers* (IF2022:5, Q1), vol. 15, art. no. 1408 (13 pp), 2023. <https://doi.org/10.3390/polym15061408>, @2023 [Линк](#) 1.000
 12. J. Francis, N. P. Purayil, S. Edappadikkunnummal, Ch. Keloth, C.S. Suchand Sangeeth. "Impact of photoinduced energy transfer and LSPR of Au and Ag nanoparticles on nonlinear optical response of methyl orange". *Journal of Molecular Liquids* (IF2022: 6, Q1), vol. 390, art. no. 123048 (9 pp), 2023. <https://doi.org/10.1016/j.molliq.2023.123048>, @2023 [Линк](#) 1.000
 13. J. Francis, N. P. Purayil, S. Edappadikkunnummal, P.L. Maria Linsha, Ch. Keloth, C.S. Suchand Sangeeth. "Tailoring the optical limiting response of methyl orange via protonation". *Optical Materials* (IF2022:3.9, Q2), vol. 146, art. no. 114571 (9 pp), 2023. <https://doi.org/10.1016/j.optmat.2023.114571>, @2023 [Линк](#) 1.000
 14. J. Ilnytskyi, D. Yaremchuk, O. Komarytsia. "Adsorption of Low Density Lipoproteins on an Azobenzene-Containing Polymer Brush: Modelling by Coarse-Grained Molecular Dynamics". *Processes* (IF2022: 3.5, Q2), vol. 11, art. no. 2913 (21 pp), 2023. <https://doi.org/10.3390/pr11102913>, @2023 [Линк](#) 1.000
 15. K. Kinashi, I. Nakanishi, W. Sakai, N. Tsutsumi, B. J. Jackin. "Azo-carbazole copolymer-based composite films with high optical transparency for updatable holograms". *New Journal of Chemistry* (IF2022:3.3, Q2), vol. 47(12), pp. 5751-5758, 2023. <https://doi.org/10.1039/D2NJ05779D>, @2023 [Линк](#) 1.000
 16. N. I. Boiko, M. A. Bugakov, V. P. Shibaev. "Photo-optical processes in photochromic comb-shaped polymer complexes with hydrogen-bounded azobenzene containing mesogenic groups". *Liquid Crystals and their Application* (IF2022:0.5, Q4), Vol. 23(2), pp. 16–28, 2023. DOI: 10.18083/LCAppl.2023.2.16, @2023 [Линк](#) 1.000
5. Todorov, T, **Nikolova, L**, Tomova, N. Polarization holography. 2: Polarization holographic gratings in photoanisotropic materials with and without intrinsic birefringence. *Applied Optics*, 23, 24, OSA (Optical Society of America), 1984, ISSN:0003-6935, DOI:<https://doi.org/10.1364/AO.23.004588>, 4588-4591. SJR (Scopus):1.667, JCR-IF (Web of Science):1.707

Цитира се е:

17. D. Nazarova, L. Nedelchev, N. Berberova-Buhova, G. Mateev. "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". *Nanomaterials* (IF2022:5.3, Q1), volume 13, art. no. 2946 (38 pp), 2023. <https://doi.org/10.3390/nano13222946>, @2023 [Линк](#) 1.000

1985

6. Todorov, T, **Nikolova, L**, Stoyanova, K, Tomova, N. Polarization holography. 3: Some applications of polarization holographic recording. *Applied Optics*, 24, 6, OSA (Optical Society of America), 1985, ISSN:0003-6935, DOI:<https://doi.org/10.1364/AO.24.000785>, 785-788. SJR (Scopus):1.667, JCR-IF (Web of Science):1.707

Цитира се е:

18. D. Nazarova, L. Nedelchev, N. Berberova-Buhova, G. Mateev. "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". *Nanomaterials* (IF2022:5.3, Q1), volume 13, art. no. 2946 (38 pp), 2023. <https://doi.org/10.3390/nano13222946>, @2023 [Линк](#) 1.000
19. F. L. Tambosco, C. Révora, G. F. Volonnino, S. Goyanes, M. G. Capeluto, S. Ledesma. "Optimization of azopolymer films for optical memory applications by using ethylene glycol as a free-volume generator". *Optica Pura y Aplicada* (IF2022: 0.2, Q4), vol. 56, art. no. 51149 (2023). <http://dx.doi.org/10.7149/OPA.56.2.51149>, @2023 [Линк](#) 1.000
20. Loşmanshii, C., Achimova, E., Abaskin, V., Mesalchin, A., Prisacar, A., Botnari, V. Optical Properties and Photoinduced Anisotropy of PEPC-co-SY3 Nanocomposite. In: Sontea, V., Tiginyanu, I., Railean, S. (eds) 6th International Conference on Nanotechnologies and Biomedical Engineering. ICNBME 2023. IFMBE Proceedings (SJR2022: 0.16), vol 91. Springer, Cham. https://doi.org/10.1007/978-3-031-42775-6_17, @2023 [Линк](#) 1.000
21. W. Liu, Z. Li, M. A. Ansari, H. Cheng, J. Tian, X. Chen, S. Chen. "Design Strategies and Applications of Dimensional Optical Field Manipulation Based on Metasurfaces". *Advanced Materials* (IF2022:29.4, Q1), Vol. 35(30), art. no. 2208884, 2023. <https://doi.org/10.1002/adma.202208884>, @2023 [Линк](#) 1.000

1986

7. Todorov, T, **Nikolova, L**, Tomova, N, Dragostinova, V. Photoinduced Anisotropy in Rigid Dye Solutions for Transient Polarization Holography. *IEEE Journal of Quantum Electronics*, QE-22, 8, IEEE, 1986, ISSN:0018-9197, DOI:<https://doi.org/10.1109/JQE.1986.1073138>, 1262-1267. SJR (Scopus):2.096, JCR-IF (Web of Science):2.52

Цитира се е:

22. Sh. Chatterjee, S. Molla, J. Ahmeda and S. Bandyopadhyay. "Light-driven modulation of electrical conductance with photochromic switches: Bridging photochemistry with optoelectronics". Chemical Communications (IF2022: 4.9, Q2), Vol. 59(85), pp. 12685-12698, 2023. <https://doi.org/10.1039/D3CC04269C>, @2023 [Линк](#)

1987

8. **Nikolova, L.**, Stoyanova, K., Todorov, T., Tatanenko, V.. Polarization wavefront conjugation by means of transient holograms in rigid dye solutions. Optics Communications, 64, 1, Elsevier Science Publishers B.V., 1987, ISSN:0030-4018, DOI:[https://doi.org/10.1016/0030-4018\(87\)90373-7](https://doi.org/10.1016/0030-4018(87)90373-7), 75-80. SJR (Scopus):1.238, JCR-IF (Web of Science):2.4

Цитира се е:

23. G.M. Zharkova, S.A. Streltsov. "Filtration Properties of Polarization Holographic Gratings Recorded in Liquid Crystal Composites". Liquid Crystals and their Application (IF2022: 0.5, Q4), Vol. 23(1), pp. 50-57, 2023., @2023 [Линк](#)

1988

9. Marinov, M., Kozhukharov, V., **Dimitrov, D.** Optical absorption changes in amorphous films based on tellurium dioxide and rare-earth metal oxides. Journal of Materials Science Letters, 7, 1, 1988, 91-92. JCR-IF (Web of Science):0.488

Цитира се е:

24. 13. A. Baset Gholizadeh, Conor Byrne, Alex S. Walton, Richard Smith, Jonathan England, Christopher Craig, Dan Hewak & Richard J. Curry "Photo-Seebeck measurement of Bi-doped amorphous germanium telluride oxide film" Journal of Materials Science: Materials in Electronics volume 34, Article number: 709 (2023), @2023

10. **Nikolova, L.**, Todorov, T., Tomova, N., Dragostinova, V. Polarization-preserving wavefront reversal by four-wave mixing in photoanisotropic materials. Applied Optics, 27, 8, OSA (Optical Society of America), 1988, ISSN:0003-6935, DOI:<https://doi.org/10.1364/AO.27.001598>, 1598-1602. SJR (Scopus):1.667, JCR-IF (Web of Science):1.707

Цитира се е:

25. Y. Li, J. Li, Y. Zhao, T. Gan, J. Hu, M. Jarrahi, A. Ozcan. "Universal Polarization Transformations: Spatial Programming of Polarization Scattering Matrices Using a Deep Learning-Designed Diffractive Polarization Transformer". Advanced Materials (IF2022: 29.4, Q1), Vol. 35, art. no. 2303395 (17 pp), 2023. DOI: 10.1002/adma.202303399, @2023 [Линк](#)

1991

11. Kozhukharov, V., **Dimitrov, D.**, Marinov, M. Investigation of Te-O-Ln thin films obtained by pulsed laser evaporation. Journal of Non - Crystalline Solids, 129, 1-3, 1991, 117-125. JCR-IF (Web of Science):1.766

Цитира се е:

26. Bataliotti, Murilo Dobri « Síntese e caracterização de filmes finos de TeO₂ obtidos pelo método Pechini em substratos amorfo e cristalino » Thesis, Universidade Estadual Paulista (Unesp) Brasil (2023), @2023

1992

12. Todorov, T, **Nikolova, L.** Spectrophotopolarimeter: fast simultaneous real-time measurement of light parameters. Optics Letters, 17, 5, OSA (Optical Society of America), 1992, ISSN:0146-9592, DOI:<https://doi.org/10.1364/OL.17.000358>, 358-359. SJR (Scopus):3.926, JCR-IF (Web of Science):3.56

Цитира се е:

27. A. Soria-Garcia, J. del Hoyo, L.M. Sanchez-Brea, V. Pastor-Villarrubia, V. Gonzalez-Fernandez, M.H. Elshorbagy, J. Alda. "Vector diffractive optical element as a full-Stokes analyzer". Optics and Laser Technology (IF2022: 5, Q1), Vol. 163, art. no. 109400 (10 pp), 2023. <https://doi.org/10.1016/j.optlastec.2023.109400>, @2023 [Линк](#)
28. D. Nazarova, L. Nedelchev, N. Berberova-Buhova, G. Mateev. "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". Nanomaterials (IF2022:5.3, Q1), volume 13, art. no. 2946 (38 pp), 2023. <https://doi.org/10.3390/nano13222946>, @2023 [Линк](#)

1993

13. Martin, T.P., **Malinowski, N**, Zimmermann, U., Naeher, U., Schaber, H.. Metal coated fullerene molecules and clusters. The Journal of Chemical Physics, 99, 5, American Institute of Physics, 1993, 4210-4212. ISI IF:3.615

Цитира се в:

29. Gu, XJ and Jin, P., "Alkali-metal coating: an effective method to inject electrons into cage molecules and achieve direct metal-metal bonds and spherical aromaticity for endohedral metallofullerenes", INORGANIC CHEMISTRY FRONTIERS, 10 (19) , pp.5634-5648, @2023 [Линк](#) 1.000

1994

14. Zimmermann, U., **Malinowski, N**, Naeher, U., Frank, S., Martin, T.P.. Multilayer Metal Coverage of Fullerene Molecules. Physical Review Letters, 72, 22, 1994, ISSN:0031-9007, 3542-3545. ISI IF:6.626

Цитира се в:

30. Mandich, M.L. "Clusters", Springer Handbooks, pp. 609-623, @2023 [Линк](#) 1.000

15. Zimmermann, U., Burkhardt, A., **Malinowski, N**, Naeher, U., Martin, T.P.. Quantum Chemical Study of Lithium - C60 Clusters. The Journal of Chemical Physics, 101, 3, 1994, ISSN:0021-9606, 2244-2249. ISI IF:3.635

Цитира се в:

31. Gu, XJ and Jin, P., "Alkali-metal coating: an effective method to inject electrons into cage molecules and achieve direct metal-metal bonds and spherical aromaticity for endohedral metallofullerenes", INORGANIC CHEMISTRY FRONTIERS, 10 (19) , pp.5634-5648, @2023 [Линк](#) 1.000

1995

16. Zimmermann, U, **Malinowski, N**, Burkhardt, A, Martin, TP. Metal-coated fullerenes. Carbon, 33, 7, PERGAMON-ELSEVIER SCIENCE LTD, 1995, ISSN:0008-6223, DOI:10.1016/0008-6223(95)00028-C, 995-1006. ISI IF:6.89

Цитира се в:

32. Gu, XJ and Jin, P., "Alkali-metal coating: an effective method to inject electrons into cage molecules and achieve direct metal-metal bonds and spherical aromaticity for endohedral ", INORGANIC CHEMISTRY FRONTIERS, 10 (19) , pp.5634-5648, , @2023 [Линк](#) 1.000

33. Hernandez, J; Robb, A; (...); Teprovich, JA Jr. "Synthesis and Characterization of Amorphous Lawsonite Polymer Dots for Fluorescent Applications", ACS APPLIED NANO MATERIALS, 6 (22) , pp.20639-20651, @2023 [Линк](#) 1.000

34. Moghadam, HT; Oftadeh, M; (...); Azami, M., "Investigation of Electronic and Topological Properties of Magnesium-coated Boron Fullerenes and Their Interaction with Hydrogen Molecule", JOURNAL OF NANOSTRUCTURES, 13 (1) , pp.254-265, , @2023 1.000

35. Wang, T and Zhu, ZW, "Stability and chaotic dynamic analysis of Li-doped fullerene-IRMOF composite materials for hydrogen storage", INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 48 (30) , pp.11352-11369, @2023 [Линк](#) 1.000

17. Ivanov, M., Todorov, T., **Nikolova, L**, Tomova, N., Dragostinova, V.. Photoinduced changes in the refractive index of azodye/polymer systems. Applied Physics Letters, 66, 17, AIP Publishing, 1995, ISSN:0003-6951, DOI:https://doi.org/10.1063/1.113937, 2174-2176. SJR (Scopus):4.173, JCR-IF (Web of Science):4

Цитира се в:

36. E. Dzik, P. Datin, J.-P. Dognon, C. Fajolles, C. Wiertel-Gasquet, D. Carrière, F. Ladieu. "Simultaneously measuring the dichroism and the dielectric response of an azobenzene-doped organic glass former". Review of Scientific Instruments (IF2022: 1.6, Q3), vol. 94(12), art. no. 123904, 20023. https://doi.org/10.1063/5.0170213, @2023 [Линк](#) 1.000

1996

18. Dimova-Malinowska, D., Tzolov, M., **Malinowski, N**, Marinova, Ts., Krastev, V.. Laser-induced formation of visible light emitted silicon. Applied Surface Science, 96, Elsevier Science, 1996, ISSN:0169-4332, DOI:10.1016/0169-4332(95)00458-0, 457-462. ISI IF:1.029

Цитира се в:

37. Ren, ZY; Zhao, JH; (...); Chen, QD. "Creating zinc-hyperdoped silicon with modulated conduction type by femtosecond laser irradiation", JOURNAL OF ALLOYS AND COMPOUNDS, 966, @2023 [Линк](#) 1.000

19. **Dimitrov, D**, Ollacarizqueta, M., Afonso, C. N., Starbov, N.. Crystalization kinetics of Sb_xSe_{100-x} thin films. Thin Solid Films, 280, 1996, 278-283. JCR-IF (Web of Science):1.759

Цитира се в:

38. Sanghyun Lee, Michael F. McInerney "Optical and morphological properties of Ge-incorporated polycrystalline Sb₂Se₃ thin-film for photovoltaic applications" *Optical Materials*, Volume 138, 113668 (2023), @2023 1.000
39. Sanghyun Lee, Michael F. McInerney "Optimization of bifacial Ge-incorporated Sb₂Se₃ thin-film solar cells by modeling Cu₂O back buffer layer" *Solar Energy Materials and Solar Cells*, Volume 257, 112399 (2023), @2023 1.000
20. **Nikolova, L.**, Todorov, T., Ivanov, M., Andruzzi, F., Hvilsted, S., Ramanujam, P. Polarization holographic gratings in side-chain azobenzene polyesters with linear and circular photoanisotropy. *Applied Optics*, 35, 20, OSA (Optical Society of America), 1996, ISSN:0003-6935, DOI:<https://doi.org/10.1364/AO.35.003835>, 3835-3840. SJR (Scopus):1.667, JCR-IF (Web of Science):1.707

Цитира се е:

40. R. Karl, L. Fuller, B. Short, M. Dahlin. "Non-mechanical beam steering for large field of regard global shutter flash LiDAR". *Proc. SPIE*, Vol. 1.000 12537, *Laser Radar Technology and Applications XXVIII*, art. no. 125370C (8 pp), 2023. doi: 10.1117/12.2664062, @2023 [Линк](#)
41. Y. Chen, C.K. Lee, C.T. Wang, S.C. Jeng. "Development of a compact broadband circular dichroism spectropolarimeter for circular polarizer applications". *Optics and Lasers in Engineering (IF2022: 4.6, Q1)*, Vol. 163, art. no. 107480 (5 pp), 2023. <https://doi.org/10.1016/j.optlaseng.2023.107480>, @2023 [Линк](#)
42. Y. Ding, Q. Yang, Y. Li, Z. Yang, Z. Wang, H. Liang, S.T. Wu. "Waveguide-based augmented reality displays: perspectives and challenges". *eLight*, Vol. 3, art. no. 24 (34 pp), 2023. <https://doi.org/10.1186/s43593-023-00057-z>, @2023 [Линк](#)

1997

21. Gerdjikov, V.S., Uzunov I.M., Evstatiev, E.G., **Diankov G.L.**. Nonlinear Schrödinger equation and N-soliton interactions: generalized Karpman–Solov'ev approach and the complex Toda chain. *Phys. Rev. E* 55, 6039 (1997), 55, 1997, 6039. SJR (Scopus):1.88 (x)

Цитира се е:

43. Zaabat, Sara, et al. "Propagation of solitons in inhomogeneous birefringent nonlinear dispersive media." *Results in Physics* 54 (2023): 1.000 107144., @2023
22. Tast, F., **Malinowski, N.**, Billas, I., Heinebrodt, M., Branz, W., Martin, T.P.. Polymerized C₆₀ clusters. *Journal of Chemical Physics*, 107, American Institute of Physics, 1997, ISSN:0021-9606, DOI:10.1063/1.474938, 6980. ISI IF:3.247

Цитира се е:

44. Luo, ZX and Lin, SQ. "Advances in cluster superatoms for a 3D periodic table of elements", *COORDINATION CHEMISTRY REVIEWS*, 1.000 500, @2023 [Линк](#)
23. **Nikolova, L.**, Todorov, T., Ivanov, M., Andruzzi, F., Hvilsted, S., Ramanujam, P. Photoinduced circular anisotropy in side-chain azobenzene polyesters. *Optical Materials*, 8, 4, Elsevier, 1997, ISSN:0925-3467, DOI:[https://doi.org/10.1016/S0925-3467\(97\)00046-3](https://doi.org/10.1016/S0925-3467(97)00046-3), 255-258. SJR (Scopus):0.727, JCR-IF (Web of Science):3.754

Цитира се е:

45. Ch. He, Y. Li. "Absolute asymmetric synthesis driven by circularly polarized light". *Chinese Chemical Letters (IF2022: 9.1, Q1)*, Vol. 34, art. no. 1.000 108077 (12 pp), 2023. <https://doi.org/10.1016/j.ccl.2022.108077>, @2023 [Линк](#)
24. Holme, N., **Nikolova, L.**, Ramanujam, P.S., Hvilsted, S.. An analysis of the anisotropic and topographic gratings in a side-chain liquid crystalline azobenzene polyester. *Applied Physics Letters*, 70, 12, American Institute of Physics, 1997, ISSN:0003-6951, DOI:<https://doi.org/10.1063/1.118605>, 1518-1520. SJR (Scopus):4.173, JCR-IF (Web of Science):3.971

Цитира се е:

46. N. Tverdokhle, S. Loebner, B. Yadav, S. Santer, M. Saphiannikova. "Viscoplastic Modeling of Surface Relief Grating Growth on Isotropic and Preoriented Azopolymer Films". *Polymers (IF2021: 4.967, Q1)*, vol. 15, art. no. 463 (12 pp), 2023. <https://doi.org/10.3390/polym15020463>, @2023 [Линк](#)

1998

25. Branz, W, Billas, IML, **Malinowski, N.**, Tast, F, Heinebrodt, M, Martin, TP. Cage substitution in metal-fullerene clusters. *JOURNAL OF CHEMICAL PHYSICS*, 109, 9, AMER INST PHYSICS, CIRCULATION FULFILLMENT DIV, 1998, ISSN:0021-9606, DOI:10.1063/1.477410, 3425-3430. ISI IF:3.017

Цитира се е:

47. Ai, LY; Guo, JJ; (...) Liu, Y. "Re₁₂C₈₀: A pentagonal hexecontahedron molecule", *CHEMICAL PHYSICS LETTERS*, 816, @2023 [Линк](#) 1.000
48. El-Barbary, AA. "IR spectroscopic analysis of heterohedral metallofullerenes", *DIAMOND AND RELATED MATERIALS*, 136, @2023 [Линк](#) 1.000
26. **Dimitrov, D.**, Tzotcheva, D., Kovacheva, D.. Calorimetric study of amorphous Sb-Se thin films. *Thin Solid Films*, 323, 1998, 79-84. ISI IF:1.759

Цитира се е:

49. Kangyao Wang, Leng Chen "Crystallization kinetics of Sb70Se30 thin films for phase change memories under the non-isothermal conditions" **1.000**
Journal of Crystal Growth, Volume 624, 127434 (2023), @2023
27. **Marinova, V., Petrova, D.,** Veleva, M.. Optical properties of pyrochlore lead scandium tantalate crystals. Crystal Research & Technology, 33, 1998, 119-124. SJR (Scopus):0.295, JCR-IF (Web of Science):0.48

Цитира се е:

50. Gupta, S. Phase transformation and growth mechanism of RF sputtered ferroelectric lead scandium tantalate (PbSc0.5Ta0.5O3) films (2023) **1.000**
Journal of the American Ceramic Society, 106 (4), pp. 2209-2224. DOI: 10.1111/jace.18874, @2023 [Линк](#)
28. Konstantinov, I, **Babeva, T, Kitova, S.** Analysis of errors in thin-film optical parameters derived from spectrophotometric measurements at normal light incidence. Applied Optics, 37, 1998, 4260-4267. ISI IF:1.784

Цитира се е:

51. Alsufyani, S.J., Alharbi, A.N., Atta, A.A., Altalhi, T.A., Refat, M.S., Alkathiri, A.A., Ashour, A. and Hassanien, A.M., "A spectroscopic study and the effect of gamma rays on the stability and efficiency of boron subphthalocyanine dye for solar energy applications". Radiation Physics and Chemistry, 208, p.110929, 2023, @2023 **1.000**
52. Clabel H, J.L., Lozano C, G., Pinto, I.C., Falci, R.F., Rivera, V.A.G., Messaddeq, Y. and Marega Jr, E., Overall Aspects of Glasses for Photonic Devices. In Advances in Glass Research (pp. 1-52). Cham: Springer International Publishing, 2023, @2023 **1.000**
53. Ebraheem, B., El-Nahass, M.M., Roushdy, N. and Farag, A.A.M., "Nanocrystalline embedded In2Se3 amorphous thin film investigation and optical enhancement characterization for photo-sensing application". Indian Journal of Physics, 97(3), pp.885-896, 2023, @2023 **1.000**
54. Hassanien, A.M., AlHazaa, A.N., Atta, A.A., Altalhi, T.A., Refat, M.S., Mersal, G.A. and Almutairi, F.N., "Morphological, optical and electrochemical properties of tin (II) 2, 3-naphthalocyanine for organic electronic applications". Physica Scripta, 98(10), p.105942, 2023, @2023 **1.000**
55. Hassanien, A.M., Darwish, A.A.A., Kamal, A.M., Al-Gawati, M. and Hamdalla, T.A., "Annealing effect on the morphology, linear and non-linear optical properties of squaraine derivative thin films for optoelectronics applications". Optical Materials, 142, p.114033, 2023, @2023 **1.000**
29. Naydenova, I., **Nikolova, L.,** Todorov, T., Holme, N.C.R., Ramanujam, P.S., Hvilsted, S.. Diffraction from polarization holographic gratings with surface relief in side-chain azobenzene polyesters. Journal of the Optical Society of America B, 15, 4, Optical Society of America, 1998, ISSN:0740-3224, DOI:https://doi.org/10.1364/JOSAB.15.001257, 1257-1265. SJR (Scopus):1.89, JCR-IF (Web of Science):1.8

Цитира се е:

56. D. Nazarova, L. Nedelchev, N. Berberova-Buhova, G. Mateev. "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". Nanomaterials (IF2022:5.3, Q1), volume 13, art. no. 2946 (38 pp), 2023. <https://doi.org/10.3390/nano13222946>, @2023 [Линк](#) **1.000**
57. J. Wang, P. Qi, J. Hao, P. Hu, R. Chen, X. Yuan, T. Ye, Sh. Zheng, Sh. Ke, J. Li, D. Zhang, Y. Liu, Y. Yang, X. Lin. "Bifocal-polarization holographic lens made from volume hologram". Proc. SPIE, Vol. 12444 (Ultra-High-Definition Imaging Systems VI), art. no. 1244402, 2023. <https://doi.org/10.1117/12.2649586>, @2023 [Линк](#) **1.000**
58. X. Li, H. Huang, X. Wang. "Optical Erasure and Reconfiguration of Surface-Relief-Gratings of Azo Polymer and Azo Molecular Glass: A Comparative Study on Soft-Lithographic Duplicates". Advanced Photonics Research (IF2022: 3.7, Q2), Vol. 4(1), art. no. 2200077 (16 pp), 2023. <https://doi.org/10.1002/adpr.202200077>, @2023 [Линк](#) **1.000**

1999

30. Billas, IML, Branz, W, **Malinowski, N,** Tast, F, Heinebrodt, M, Martin, TP, Massobrio, C, Boero, M, Parrinello, M. Experimental and computational studies of heterofullerenes. NANOSTRUCTURED MATERIALS, 12, 5-8, PERGAMON-ELSEVIER SCIENCE LTD, 1999, ISSN:0965-9773, DOI:10.1016/S0965-9773(99)00301-3, 1071-1076. ISI IF:1.069

Цитира се е:

59. Çatal, E; Baglayan, Ö; (...); Alver, Ö. "Assessing a double silicon decorated fullerene for the delivery of interacting flurbiprofen and salicylic acid drugs: A DFT approach", 100 (7), @2023 [Линк](#) **1.000**
60. El-Barbary, AA. "IR spectroscopic analysis of heterohedral metallofullerenes", DIAMOND AND RELATED MATERIALS, 136, @2023 [Линк](#) **1.000**
31. Heinebrodt, M, **Malinowski, N,** Tast, F, Branz, W, Billas, IML, Martin, TP. Bonding character of bimetallic clusters AunXm (X = Al, In, Cs). JOURNAL OF CHEMICAL PHYSICS, 110, 20, AMER INST PHYSICS, CIRCULATION FULFILLMENT DIV, 1999, ISSN:0021-9606, DOI:DOI: 10.1063/1.478865, 9915-9921. ISI IF:3.017

Цитира се е:

61. Luo, ZX and Lin, SQ. "Advances in cluster superatoms for a 3D periodic table of elements", COORDINATION CHEMISTRY REVIEWS, 500, @2023 [Линк](#) **1.000**

32. Mihailova, B., Bogachev, G., **Marinova, V.**, Konstantinov, L.. Raman spectroscopy study of sillenites. II. Effect of doping on Raman spectra of Bi₁₂TiO₂₀. Journal of Physics and Chemistry of Solids, 60, 11, 1999, 1829-1834. ISI IF:1.853

Цитира се в:

62. Aarich, Saad; Saidi, Mohamed; Chouaibi, Nouredine; Ziat, Khadija "Solvothermal synthesis of Bi₁₂TiO₂₀/Bi₄Ti₃O₁₂ heterostructure with highly efficient photodegradation of MO under UV irradiation" Main Group Chemistry, vol. Pre-press, no. Pre-press, pp. 1-20, (2023), @2023 [Линк](#) 1.000
63. Aloraini, D.A., Almuqrin, A.H., Sayyed, M.I., Kumar, A., Yasmin, S. Characterizing the properties of Bi₂O₃-TeO₂-CdO glasses: a multidimensional investigation of their structure, thermal behaviour, optical properties, and gamma ray shielding capability (2023) Journal of Materials Science: Materials in Electronics, 34 (26), art. no. 1795, DOI: 10.1007/s10854-023-11206-y, @2023 [Линк](#) 1.000
64. Dong, Y., Pang, S., Zhang, F., Xu, D., Wang, Q., Wang, K., Zhang, L., Liang, L., Ren, Z., Wang, P. A novel lateral epitaxial Bi₂O₃@BiOCl heterostructure for photocatalytic antibiotic degradation in an internal circulation fluidized bed reactor (2023) Chemical Engineering Journal, 478, art. no. 147540, DOI: 10.1016/j.cej.2023.147540, @2023 [Линк](#) 1.000
65. Yin, J., Chen, X., Li, G., Liu, D., Li, C., Li, R., Xie, B., Bitter, J.H., Zhang, J. Construction of charge transfer chain in Bi₁₂TiO₂₀-Bi₄Ti₃O₁₂/α-Bi₂O₃ composites to accelerate photogenerated charge separation (2023) Nano Research, 16 (3), pp. 3730-3740. DOI: 10.1007/s12274-023-5507-3, @2023 [Линк](#) 1.000
33. Billas, IML, Tast, F, Branz, W, **Malinowski, N**, Heinebrodt, M, Martin, TP, Boero, M, Massobrio, C, Parrinello, M. Experimental and computational studies of Si-doped fullerenes. EUROPEAN PHYSICAL JOURNAL D, 9, 1-4, SPRINGER VERLAG, 1999, ISSN:1434-6060, DOI:10.1007/s100530050451, 337-340. ISI IF:1.24

Цитира се в:

66. Arjomandi Rad, F., Talat Mehrabad, J., Esrafil, M.D. "A Communal Experimental and DFT Study on Structural and Photocatalytic Properties of Nitrogen-Doped TiO₂", Advanced Journal of Chemistry, Section A, 6(3), pp. 244-252, @2023 [Линк](#) 1.000
67. Kuzmin, AV and Shainyan, BA., "Mechanisms of catalytic electrochemical reactions of oxygen reduction (ORR) and carbon dioxide reduction (CO₂RR)", RUSSIAN CHEMICAL REVIEWS, 92 (6), @2023 [Линк](#) 1.000
68. Uchiyama, T; Nakamura, T; (...); Kudo, T., "Theoretical Study of Si/C Equally Mixed Dodecahedrane Analogues", MOLECULES, 28(6), 2769, @2023 [Линк](#) 1.000
34. Holme, N, **Nikolova, L**, Hvilsted, S, Rasmussen, P, Berg, R, Ramanujam, P. Optically induced surface relief phenomena in azobenzene polymers. Applied Physics Letters, 74, 4, AIP Publishing, 1999, ISSN:0003-6951, DOI:https://doi.org/10.1063/1.123173, 519-521. SJR (Scopus):4.173, JCR-IF (Web of Science):3.971

Цитира се в:

69. M. Merkel, A. Elizabeth, M. Böckmann, H. Mönig, C. Denz, N. L. Doltsinis. "Understanding the formation of surface relief gratings in azopolymers: A combined molecular dynamics and experimental study". Journal of Chemical Physics (IF2022: 4.4, Q1), Vol. 158, art. no. 104905 (10 pp), 2023. https://doi.org/10.1063/5.0136327, @2023 [Линк](#) 1.000
35. Billas, IML, Massobrio, C, Boero, M, Parrinello, M, Branz, W, Tast, F, **Malinowski, N**, Heinebrodt, M, Martin, TP. First principles calculations of Si doped fullerenes: Structural and electronic localization properties in C₅₉Si and C₅₈Si₂. JOURNAL OF CHEMICAL PHYSICS, 111, 15, AMER INST PHYSICS, CIRCULATION FULFILLMENT DIV, 1999, ISSN:0021-9606, DOI:10.1063/1.480018, 6787-6796. ISI IF:3.017

Цитира се в:

70. El-Barbary, AA., "IR spectroscopic analysis of heterohedral metallofullerenes", DIAMOND AND RELATED MATERIALS, 136, @2023 [Линк](#) 1.000
71. Njeumen, CA; Ejuh, GW; (...); Ndjaka, JMB., "DFT studies of physico-chemical, electronic and nonlinear optical properties of interaction between doped-fullerenes with non-steroidal anti-inflammatory drugs". PHYSICA B-CONDENSED MATTER, 665, @2023 [Линк](#) 1.000
72. Zhang, PZ; Xue, T; (...); Li, W., "MoSe₂/C₆₀ heterojunction may be efficient for photovoltaic applications: time-domain ab initio analysis of interfacial charge separation and recombination dynamics", INORGANIC CHEMISTRY FRONTIERS, 10, 7238-7250, @2023 [Линк](#) 1.000

2000

36. **Nikolova, L**, **Nedelchev, L**, Todorov, T, Petrova, Tz, Tomova, N, Dragostinova, V, Ramanujam, P.S, Hvilsted, S. Self-induced light polarization rotation in azobenzene-containing polymers. Applied Physics Letters, 77, American Institute of Physics, 2000, ISSN:0003-6951, DOI:10.1063/1.127076, 657-659. JCR-IF (Web of Science):3.569

Цитира се в:

73. Ch. He, Y. Li. "Absolute asymmetric synthesis driven by circularly polarized light". Chinese Chemical Letters (IF2022: 9.1, Q1), Vol. 34, art. no. 108077 (12 pp), 2023. https://doi.org/10.1016/j.ccl.2022.108077, @2023 [Линк](#) 1.000
37. **Dimitrov, D.**, Starbova, K., Tzotcheva, D., Kovacheva, D.. Nanocrystallization through phase separation in binary alloy films. Vacuum, 58, 2-3, 2000, 358-363. ISI IF:1.858

Цитира се в:

74. Kangyao Wang and Leng Chen "Superlattice-like Sb70Se30/HfO2 thin films for high thermal stability and low power consumption phase change memory" *Nanotechnology* 34 365709 (2023), @2023 1.000
38. **Marinova, Vera**. "Optical properties of Bi12TiO20 doped with Al, P, Ag, Cu, Co and co-doped with Al+P single crystals", *Optical Materials*, 15, 2, Elsevier, 2000, DOI:doi.org/10.1016/S0925-3467(00)00029-X, 149-158. JCR-IF (Web of Science):2.32
Цитира се е:
75. A.F. Lima, M. V. Lalic "The usefulness of the first-principles calculations of optical properties of the materials and the type of information that can be accessed by them" *Optical Materials: X*, Volume 15, 100185 (2022), @2023 [Линк](#) 1.000
76. Pepe, Y., Isik, M., Karatay, A., Gasanly, N., Elmali, A. Wavelength dependence of the nonlinear absorption performance and optical limiting in Bi12TiO20 single crystal *Journal of Luminescence*, 253, art. no. 119494, (2023) DOI: 10.1016/j.jlumin.2022.119494, @2023 [Линк](#) 1.000
39. Billas, IML, Massobrio, C, Parrinello, M, Branz, W, Tast, F, **Malinowski, N**, Heinebrodt, M, Martin, TP. First principles calculations of iron-doped heterofullerenes. *COMPUTATIONAL MATERIALS SCIENCE*, 17, 2-4, ELSEVIER SCIENCE BV, 2000, ISSN:0927-0256, DOI:10.1016/S0927-0256(00)00022-7, 191-195. ISI IF:2.188
Цитира се е:
77. Bubenchikov, MA; Bubenchikov, AM; (...); Azheev, AA., "The Effect of a Short Magnetic Pulse on the Molecular Structure of C59Fe", *RUSSIAN PHYSICS JOURNAL*, 66 (5) , pp.560-566, @2023 [Линк](#) 1.000
40. **Babeva, T, Dimitrov, D, Kitova, S**, Konstantinov, I. Optical properties of phase-change optical disks with SbxSe100-x films. *Vacuum*, 58, 2000, 496-501. ISI IF:1.858
Цитира се е:
78. Lee, S. and McInerney, M.F., "Optical and morphological properties of Ge-incorporated polycrystalline Sb2Se3 thin-film for photovoltaic applications". *Optical Materials*, 138, p.113668, 2023, @2023 1.000
79. Lee, S. and McInerney, M.F., "Optimization of bifacial Ge-incorporated Sb2Se3 thin-film solar cells by modeling Cu2O back buffer layer". *Solar Energy Materials and Solar Cells*, 257, p.112399, 2023., @2023 1.000
41. **Marinova, V**, Shourolinkov St, Davity M, Paraskevopoulos K, Anagnostopolous A. "Refractive index measurements of mixed Hg(Brx1-x)2 single crystals". *Optical Materials*, 12, 2, Elsevier, 2000, DOI:10.1016/S0925-3467(99)00129-9, 95-99. SJR (Scopus):2.238
Цитира се е:
80. He, C., Wen, Y., Wen, Y., Zhou, K., Deng, C., Li, Q., Lu, Y. Optical Properties of PT-Based Relaxor Ferroelectric Crystals (2023) *Crystal Research and Technology*, 58 (6), art. no. 2200197, DOI: 10.1002/crat.202200197, @2023 [Линк](#) 1.000

2001

42. **Todorov R**, Petkov K.. Light Induced Changes in Optical Properties of Thin As – S – Ge (Bi, Ti) Films. *Journal of Optoelectronics and Advanced Materials*, 3, 2001, 311-317. SJR:0.184, ISI IF:0.43
Цитира се е:
81. Elsayed, S.A., Zaki Khalifa, Application the reduced method for Characterization the photonic properties of amorphous Se 79.13 S 11.41 Te 9.64 Nano thin film composition Part(I), November 2023., @2023 [Линк](#) 1.000

2002

43. **Marinova, V.**, Veleva, M.. Refractive index measurements and transmission spectra of Bi2(MoO4)3 single crystals. *Optical Materials*, 19, 3, 2002, 329-333. ISI IF:1.981
Цитира се е:
82. Molchanov, V.Y., Kupreyichik, M.I., Naumenko, N.F., Chizhikov, A.I., Yushkov, K.B., Chizhikov, S.I. Acousto-Optic Interaction in Biaxial Crystals (2023) *Crystallography Reports*, 68 (5), pp. 653-671, DOI: 10.1134/S1063774523600539, @2023 [Линк](#) 1.000
83. Xu, M., Tremblay, P.-L., Zhang, T. Bismuth Molybdate Nanorods Derived from a Metal-Organic Framework for Triethylamine Gas Sensors (2023) *ACS Applied Nano Materials*, 6 (14), pp. 13466-13474, DOI: 10.1021/acsnm.3c02096, @2023 [Линк](#) 1.000
44. **Dimitrov, D**, Lu, Y.-H., Tseng, M.-R., Hsu, W.-C., Shieh, H.-P. D.. Oxygen and nitrogen co-doped GeSbTe thin films for phase-change optical recording. *Japanese Journal of Applied Physics*, 41, 3B, 2002
Цитира се е:

84. Kang, L., Yin, H. & Chen, L. "Study on the Crystallization Behavior of Sb₂Te Thin Films for Phase-Change Memory Applications" J. Electron. Mater. 52, pages1493–1506 (2023), @2023
45. Branz, W, **Malinowski, N**, Enders, A, Martin, TP. Structural transition in (C-60)(n) clusters. PHYSICAL REVIEW B, 66, 9, AMER PHYSICAL SOC, 2002, ISSN:1098-0121, DOI:DOI: 10.1103/PhysRevB.66.094107, 094107. ISI IF:3.583
- Цитира се е:
85. Silva, RL; Barbosa, MR; (...); da Silva, DA., "(Ro)vibrational Spectroscopic Constants, Lifetime and QAIM Evaluation of Fullerene Dimers Stability", MOLECULES, 28 (13), @2023 [Линк](#) 1.000
46. Neov, S., **Marinova, V**, Reehuis, M, Sonntag, R.. Neutron-diffraction study of Bi₁₂MO₂₀ single crystals with sillenite structure (M = Si, Si_{0.995}Mn_{0.005}, Bi_{0.53}Mn_{0.47}). Applied Physics A-Materials Science & Processing, 74, Part2 Suppl.S, 2002, S1016-S1018. ISI IF:1.444
- Цитира се е:
86. Kowalczyk, M., Kaczkan, M., Majchrowski, A., Malinowski, M. A Comparative Study of Eu³⁺-Doped Sillenites: Bi₁₂SiO₂₀ (BSO) and Bi₁₂GeO₂₀ (BGO) (2023) Materials, 16 (4), art. no. 1621, DOI: 10.3390/ma16041621, @2023 [Линк](#) 1.000
87. Locke, R.J.C., Haag, T., Hartenbach, I., Kurz, M.V., Blaschkowski, B., Schleid, T. Two New Members of the Lanthanoid Bismuth Oxide Oxidosilicates LnBiO[SiO₄] with Ln = La and Gd (2023) Zeitschrift fur Anorganische und Allgemeine Chemie, 649 (22), art. no. e202300126, DOI: 10.1002/zaac.202300126, @2023 [Линк](#) 1.000
88. Radosavljević-Mihajlović, A., Mitić, V.V., Marković, B., Simeunović, D. The Nanomaterials Fractal Characterization Fractals and Bioforensic Science (2023) Engineering Materials, pp. 265-280. DOI: 10.1007/978-3-031-17269-4_14, @2023 [Линк](#) 1.000
89. Yang, W., Zhang, X., Wang, F. The elastic anisotropy, electronic and optical properties of Bi₄Si₃O₁₂, Bi₂SiO₅, Bi₁₂SiO₂₀ and Bi₂Si₃O₉ crystals from first-principles calculations (2023) Chemical Physics Letters, 814, art. no. 140323, DOI: 10.1016/j.cplett.2023.140323, @2023 [Линк](#) 1.000
90. Yasemin Pepe, Mehmet Isik, Ahmet Karatay, Nizami Gasanly, Ayhan Elmali "Wavelength dependence of the nonlinear absorption performance and optical limiting in Bi₁₂TiO₂₀ single crystal" Journal of Luminescence, Vol. 253, 119494 (2023), @2023 1.000
91. Yasemin Pepe, Mehmet Isik, Ahmet Karatay, Nizami Gasanly, Ayhan Elmali "Wavelength dependence of the nonlinear absorption performance and optical limiting in Bi₁₂TiO₂₀ single crystal" Journal of Luminescence, Vol. 253, 119494 (2023) DOI: 10.1016/j.jlumin.2022.119494, @2023 [Линк](#) 1.000
47. **Marinova, V**, Hsieh M L, Lin S H, Hsu K Y. "Effect of ruthenium doping on the optical and photorefractive properties of Bi₁₂TiO₂₀ single crystals". Optics Communications, 203, 3-6, Elsevier, 2002, DOI:10.1016/S0030-4018(02)01127-6, 377-384. JCR-IF (Web of Science):1.588
- Цитира се е:
92. Oliveira, I.D., Miyazawa, K. Hole-electron competition in sillenite photorefractive crystals in the presence of the photovoltaic effect (2023) Optical Materials, 136, art. no. 113457, DOI: 10.1016/j.optmat.2023.113457, @2023 [Линк](#) 1.000
93. Park, J., Hwang, E.J., Hong, S., Cho, K. Electrochemical Chlorine Evolution by Bi-Ti Oxide with a Heterojunction on Ir-Ta Oxide: Insights from the Effects of Layer Configurations (2023) Journal of Physical Chemistry C, 127 (20), pp. 9640-9649. DOI: 10.1021/acs.jpcc.3c01841, @2023 [Линк](#) 1.000
94. Pepe, Y., Isik, M., Karatay, A., Gasanly, N., Elmali, A." Wavelength dependence of the nonlinear absorption performance and optical limiting in Bi₁₂TiO₂₀ single crystal" Journal of Luminescence Volume 253, 119494 (2023), @2023 [Линк](#) 1.000

2003

48. **Nedelchev, L**, Matharu, A, Hvilsted, S, Ramanujam, P.S. Photoinduced anisotropy in a family of amorphous azobenzene polyesters for optical storage. Applied Optics, 42, 29, Optical Society of America Publishing, 2003, ISSN:1559-128X, DOI:10.1364/AO.42.005918, 5918-5927. ISI IF:1.784
- Цитира се е:
95. CAZAC Veronica, "Development of digital holographic microscope for the investigation of diffractive optical elements recorded on chalcogenide glasses and azopolymer thin films", Doctoral Thesis in Physics, STATE UNIVERISTY OF MOLDOVA, DOCTORAL SCHOOL OF NATURE SCIENCES, @2023 [Линк](#) 1.000
96. Sh. Chatterjee, S. Molla, J. Ahmeda and S. Bandyopadhyay. "Light-driven modulation of electrical conductance with photochromic switches: Bridging photochemistry with optoelectronics". Chemical Communications (IF2022: 4.9, Q2), Volume 59, Issue 85, Pages 12685-12698, 2023. <https://doi.org/10.1039/D3CC04269C>, @2023 [Линк](#) 1.000
49. Tzenova, V., **Stoykova, E.**. Refractive index measurement in human tissue samples. SPIE, 5226, 2003, 413-417. ISI IF:0.2
- Цитира се е:
97. Bezuglyi, M. (2023). Ellipsoidal Reflectors for Biological Media Light Scattering Photometry. In Advanced System Development Technologies I (pp. 119-154). Cham: Springer Nature Switzerland., @2023 [Линк](#) 1.000
98. Khan, B., Nippolainen, E., Shahini, F., Torniainen, J., Mikkonen, S., Popov, A., ... & Afara, I. O. (2023). Refractive index of human articular cartilage varies with tissue structure and composition. JOSA A, 40(12), 2205-2214., @2023 [Линк](#) 1.000

2004

50. Sabotinov, O., **Stoykova, E.** Copper-bromide laser system for treatment of dermatological malformations. SPIE, 5830, 2004, 449-454. ISI IF:0.2

Цитира се е:

99. Nikolova, E. S. (2023, September). Overview of the application of laser technologies in medicine and cosmetics. In 2023 XXXII International Scientific Conference Electronics (ET) (pp. 1-6). IEEE., @2023 [Линк](#) 1.000
51. **Karashanova, D**, Nihianova, D, Starbova, K, Starbov, N. Crystalline structure and phase composition of epitaxially grown Ag₂S thin films. SOLID STATE IONICS, 171, 3-4, ELSEVIER SCIENCE BV, 2004, ISSN:0167-2738, DOI:10.1016/j.ssi.2004.04.020, 269-275. ISI IF:2.561
- Цитира се е:
100. Sadovnikov, SI, Ishchenko, AV, Weinstein, IA. "Optical properties of Ag₂S quantum dots". MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, 296, 2023, @2023 [Линк](#) 1.000
101. Sadovnikov, SI, Kostenko, MG, Gusev, AI, Lukoyanov, AV. "Low-Temperature Predicted Structures of Ag₂S (Silver Sulfide)". Nanomaterials 13 (19), 2023, @2023 [Линк](#) 1.000
102. Sadovnikov, SI. "Preparing and properties of films with Ag₂S quantum dots in a polyvinyl alcohol matrix". OPTICAL MATERIALS, 141, 2023, @2023 [Линк](#) 1.000
103. Sadovnikov, SI. "Stability of Colloidal Silver Sulfide Solutions". RUSSIAN JOURNAL OF INORGANIC CHEMISTRY, 2023, @2023 [Линк](#) 1.000
52. Petkov K, **Todorov R**, Kozuharova D, Tichy L, Cernoskova E, Ewen P J S. Changes in the physicochemical and optical properties of chalcogenide thin films from the systems As-S and As-S-Tl. Journal of Material Science, 39, 2004, 961-969. SJR (Scopus):0.929, JCR-IF (Web of Science):2.371

Цитира се е:

104. Al-Obeidi, A.H.H. and Al-Maiyaly, B.K.H. , Annealing effect on structural and optical properties of Sb₂S₃ thin film, AIP Conference Proceedings 2475, 090026 (2023), @2023 [Линк](#) 1.000
53. Martinez-Ponce, G, Petrova, Ts, Tomova, N, Dragostinova, V, Todorov, T, **Nikolova, L**. Bifocal-polarization holographic lens. Optics Letters, 29, 9, OSA (Optical Society of America), 2004, ISSN:0146-9592, DOI:https://doi.org/10.1364/OL.29.001001, 1001-1003. SJR (Scopus):3.523, JCR-IF (Web of Science):3.56
- Цитира се е:
105. CAZAC Veronica, "Development of digital holographic microscope for the investigation of diffractive optical elements recorded on chalcogenide glasses and azopolymer thin films", Doctoral Thesis in Physics, STATE UNIVERISTY OF MOLDOVA, DOCTORAL SCHOOL OF NATURE SCIENCES, @2023 [Линк](#) 1.000
106. D. Nazarova, L. Nedelchev, N. Berberova-Buhova, G. Mateev. "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". Nanomaterials (IF2022:5.3, Q1), volume 13, art. no. 2946 (38 pp), 2023. https://doi.org/10.3390/nano13222946, @2023 [Линк](#) 1.000
107. J. Wang, P. Qi, J. Hao, P. Hu, R. Chen, X. Yuan, T. Ye, Sh. Zheng, Sh. Ke, J. Li, D. Zhang, Y. Liu, Y. Yang, X. Lin, X. Tan. "Bifocal-polarization holographic lens made from volume hologram". Proc. SPIE, Vol. 12444 (Ultra-High-Definition Imaging Systems VI), art. no. 1244402, 2023. https://doi.org/10.1117/12.2649586, @2023 [Линк](#) 1.000
54. **Angelova, S.**, Enchev, V., Markova, N., Denkova, P., Kostova, K.. Ab initio study of 2,4-substituted azolidines. I. Tautomerism. Journal of Molecular Structure: THEOCHEM, 711, 1-3, Elsevier BV, 2004, 201-207. SJR (Scopus):0.607 (x)

Цитира се е:

108. Kouchkar, K., Boumedjane, Y., Harkati, D., Al-Mogren, M.M. and Hochlaf, M., Ab initio structural study of 2-imino-4-thiazolidinone derivatives and their anti-proliferative activity against A549 and H460 human lung carcinoma cells. Computational and Theoretical Chemistry, 1228, p.114279, @2023 [Линк](#) 1.000

2005

55. Petkov K, **Todorov R**, Kincl M, Tichy L. Effect of thallium on the optical properties and structure of thin As-S-Tl films. Journal of Optoelectronics and Advanced Materials, 7, 5, 2005, 2587-2594. SJR (Scopus):0.375, JCR-IF (Web of Science):1.138

Цитира се е:

109. Babu, P.R., Vijay, R., Palle, K., Vijayalakshmi, L., Baek, J.D., Rao, D.K., Gayathri, S.N., Bahajaj, A.A.A. Spectroscopic features of Ti₂O₃ mixed multi-component Li₂O–PbO–B₂O₃–SiO₂–Bi₂O₃–V₂O₅ glass system. Chemical Papers (2023), @2023 [Линк](#) 1.000

56. **Sharlandjiev, P., Nazarova, D.**, Mednikarov, B., Pham, M.. On 'extraordinary optical transmission' from periodic and random nanostructures. JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, 7, 1, INOE Publishing House, 2005, ISSN:1841 - 7132, 309-312. ISI IF:0.43

Цитира се е:

110. Chitra, S. G., et al. "Nanotechnology-Enabled Polymer-Based Nanocomposite Hybrids for Advanced Optical Applications: A Review." 1.000 International Journal of Nanoscience 22.4 (2023): 2330002-89., @2023 [Линк](#)

57. Enchev, V., Rogojev, M., **Angelova, S.**, Markova, N.. Ab initio study of 2, 4-substituted azolidines. III. Theoretical and experimental IR study of pseudothiohydantoin in water solution. Bulgarian Chemical Communications, 37, 4, 2005, ISSN:0324-1130, 307. SJR (Scopus):0.14 (x)

Цитира се е:

111. Kouchkar, K., Boumedjane, Y., Harkati, D., Al-Mogren, M.M. and Hochlaf, M., Ab initio structural study of 2-imino-4-thiazolidinone derivatives and their anti-proliferative activity against A549 and H460 human lung carcinoma cells. Computational and Theoretical Chemistry, 1228, p.114279., @2023 [Линк](#) 1.000

58. Petkova, P., **Marinova, V.**, Dimov, T., Iliev, I., Gospodinov, M.. Magneto-optical effect in Bi4Ge3O12 single crystals doped with vanadium. Journal of Optoelectronics and Advanced Materials, 7, 1, 2005, 439-442. SJR (Scopus):0.375

Цитира се е:

112. Latella, R., Gonzalez, A.J., Bonifacio, D.A.B., Kovylyna, M., Griol, A., Benlloch, J.M., Lecoq, P., Konstantinou, G. Exploiting Cherenkov Radiation With BGO-Based Metascintillators (2023) IEEE Transactions on Radiation and Plasma Medical Sciences, 7 (8), pp. 810-818 DOI: 10.1109/TRPMS.2023.3310581, @2023 [Линк](#) 1.000

113. Riccardo Latella, Antonio J. Gonzalez, Daniel A. B. Bonifacio, José M. Benlloch, Paul Lecoq, Georgios Konstantinou "Exploiting Cherenkov radiation with BGO-based metascintillators" IEEE Transactions on Radiation and Plasma Medical Sciences, volume 7 issue 8 on pages 810-818. 10.1109/TRPMS.2023.3310581, @2023 [Линк](#) 1.000

59. Enchev, V., Markova, N., **Angelova, S.** Ab initio study of 2,4-substituted azolidines. II. Amino-imino tautomerism of 2-aminothiazolidine-4-one and 4-aminothiazolidine-2-one in water solution. Journal of Physical Chemistry A, 109, 39, ACS Publications, 2005, ISSN:15205215, 10895639, DOI:https://doi.org/10.1021/jp052560w, 8904-8913. SJR (Scopus):1.847 (x)

Цитира се е:

114. Kouchkar, K., Boumedjane, Y., Harkati, D., Al-Mogren, M.M. and Hochlaf, M., Ab initio structural study of 2-imino-4-thiazolidinone derivatives and their anti-proliferative activity against A549 and H460 human lung carcinoma cells. Computational and Theoretical Chemistry, 1228, p.114279., @2023 [Линк](#) 1.000

60. Ivanov, M., Ilieva, D., Minchev, G., Petrova, Ts., Dragostinova, V., Todorov, T., **Nikolova, L.** Temperature-dependent light intensity controlled optical switching in azobenzene polymers. Applied Physics Letters, 86, American Institute of Physics, 2005, ISSN:0003-6951, DOI:https://doi.org/10.1063/1.1923197, 181902-1-181902-3. SJR (Scopus):3.755, JCR-IF (Web of Science):3.971

Цитира се е:

115. D. Nazarova, L. Nedelchev, N. Berberova-Buhova, G. Mateev. "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". Nanomaterials (IF2022:5.3, Q1), volume 13, art. no. 2946 (38 pp), 2023. https://doi.org/10.3390/nano13222946, @2023 [Линк](#) 1.000

2006

61. Sainov, V., **Stoykova, E.**, Harizanova, J.. Real Time Phase Stepping Pattern Projection Profilometry. SPIE, 2006, 6341. ISI IF:0.2

Цитира се е:

116. Braker, B., Moore, E., & Feldkhun, D. (2023). U.S. Patent No. 11, 680, 790. Washington, DC: U.S. Patent and Trademark Office., @2023 [Линк](#) 1.000

62. Ramanujam, P.S., Dam-Hansen, C, Berg, R, Hvilsted, S, **Nikolova, L.** Polarisation-sensitive optical elements in azobenzene polyesters and peptides. Optics and Lasers in Engineering, 44, Elsevier, 2006, ISSN:0143-8166, DOI:https://doi.org/10.1016/j.optlaseng.2005.06.015, 912-925. SJR (Scopus):0.506, JCR-IF (Web of Science):5.666

Цитира се е:

117. CAZAC Veronica, "Development of digital holographic microscope for the investigation of diffractive optical elements recorded on chalcogenide glasses and azopolymer thin films", Doctoral Thesis in Physics, STATE UNIVERISTY OF MOLDOVA, DOCTORAL SCHOOL OF NATURE SCIENCES, @2023 [Линк](#) 1.000

63. **Karashanova, D.**, Starbov, N. Surface assisted electric transport in Ag2S thin films. APPLIED SURFACE SCIENCE, 252, 8, ELSEVIER SCIENCE BV, 2006, ISSN:0169-4332, DOI:10.1016/j.apsusc.2005.05.007, 3011-3022. ISI IF:2.711

Цитира се е:

118. Chen, ZJ, Wang, C, Yu, J, Yang, XM, Xu, XB, Gu, M. "Ag-Ion Dynamics in the Low-Temperature Form of Ag₂S as Studied by Impedance Spectroscopy". JOURNAL OF PHYSICAL CHEMISTRY C, 127 (20), 9807-9813, 2023 DOI10.1021/acs.jpcc.3c00898, @2023 [Линк](#) 1.000
64. Rauschenbach, S, Stadler, FL, Lunedei, E, **Malinowski, N**, Koltsov, S, Costantini, G, Kern, K. Electrospray ion beam deposition of clusters and biomolecules. SMALL, 2, 4, WILEY-VCH VERLAG GMBH, 2006, ISSN:1613-6810, DOI:10.1002/sml.200500479, 540-547. ISI IF:8.646
- Цитира се в:
119. Biere, N; Kreft, D; (...); Anselmetti, D., "Dinuclear complex-induced DNA melting", JOURNAL OF NANOTECHNOLOGY, 21 (1), @2023 [Линк](#) 1.000
120. Ghoderao, P; Sahare, S; (...); Sonar, P., "Envision and Appraisal of Biomolecules and Their Interactions through Scanning Probe Microscopy", SMALL STRUCTURES, 4 (7), @2023 [Линк](#) 1.000
121. Ghosh, J and Cooks, RG., "Mass spectrometry in materials synthesis", TRAC-TRENDS IN ANALYTICAL CHEMISTRY, 161, @2023 [Линк](#) 1.000
122. Jana, A; Spoorthi, BK; (...); Pradeep, T., "A luminescent Cu₄ cluster film grown by electrospray deposition: a nitroaromatic vapour sensor", NANOSCALE, 15 (18), pp.8141-8147, @2023 [Линк](#) 1.000
123. Méthivier, C., Cornette, P., Costa, D., Landoulsi, J. "Electrospray ion beam deposition of small peptides on solid surfaces: A molecular level description of the glutathione/copper interface". Applied Surface Science, 612, 155895, @2023 [Линк](#) 1.000
124. Pluschke, K; Herrmann, A and Dürr, M. "Soft Deposition of Organic Molecules Based on Cluster-Induced Desorption for the Investigation of On-Surface and Surface-Mediated Reactions", ACS OMEGA, 8 (43), pp.40639-40646, @2023 [Линк](#) 1.000
125. Primera-Pedrozo, O.M., Tan, S., Zhang, D., (...), Glezakou, V.-A., Johnson, G.E. "Influence of surface and intermolecular interactions on the properties of supported polyoxometalates", Nanoscale, 15(12), pp. 5786-5797, @2023 [Линк](#) 1.000
126. Scherb, S., Hinaut, A., Yao, X., (...), Narita, A., Meyer, E. "Solution-Synthesized Extended Graphene Nanoribbons Deposited by High-Vacuum Electrospray Deposition", ACS Nano, 17(1), pp. 597-605, @2023 [Линк](#) 1.000
127. Westphal, MS; Lee, KW; (...); Grant, T. "Mass spectrometers as cryoEM grid preparation instruments". CURRENT OPINION IN STRUCTURAL BIOLOGY, 83, @2023 [Линк](#) 1.000

2007

65. Todorov, T, **Nikolova, L**, Stoilov, G, Hristov, B. Spectral Stokesmeter. 1. Implementation of the device. Applied Optics, 46, 27, OSA (Optical Society of America), 2007, ISSN:0003-6935, DOI:https://doi.org/10.1364/AO.46.006662, 6662-6668. SJR (Scopus):1.219, JCR-IF (Web of Science):1.905
- Цитира се в:
128. C. Zhang, A. Nasir, B. Ni, B. Xu, L. Xue, X. Liu, J. Xiong. "Portable PIMI polarization imaging device based on automatic polarization recognition". Applied Optics (IF2022: 1.9, Q3), Vol. 62(12), pp. 3225-3232, 2023. https://doi.org/10.1364/AO.484465, @2023 [Линк](#) 1.000
129. CAZAC Veronica, "Development of digital holographic microscope for the investigation of diffractive optical elements recorded on chalcogenide glasses and azopolymer thin films", Doctoral Thesis in Physics, STATE UNIVERISTY OF MOLDOVA, DOCTORAL SCHOOL OF NATURE SCIENCES, @2023 [Линк](#) 1.000
130. D. Nazarova, L. Nedelchev, N. Berberova-Buhova, G. Mateev. "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". Nanomaterials (IF2022:5.3, Q1), volume 13, art. no. 2946 (38 pp), 2023. https://doi.org/10.3390/nano13222946, @2023 [Линк](#) 1.000
66. Mihailova, B., Gospodinov, M., Güttler, B., **Petrova, D.**, Stosch, R., Bismayer, U.. Ferroic nanoclusters in relaxors: the effect of oxygen vacancies. Journal of Physics: Condensed Matter, 19, 24, 2007, 246220. JCR-IF (Web of Science):2.493
- Цитира се в:
131. Al-Aaraji, M. N., and A. H. Uqla. "Investigation of structural and electrical characteristics of PZT ceramics modified with donor and acceptor dopants." Cerâmica 69 (2023): 147-153., @2023 1.000
132. Al-Aaraji, Mohammed Naji, Wisam Naji Hasan, and Kutaiba Al-Marzoki. "Effects of La³⁺ and Sc³⁺ Ions on Structure and Microstructure of PZT Ceramics for Energy Storage Applications." Solid State Phenomena 341 (2023): 65-76., @2023 1.000
67. **Angelova, S.**, Enchev, V., Kostova, K., Rogojerov, M., Ivanova, G.. Theoretical and spectroscopic study of 2-substituted indan-1, 3-diones: a coherent picture of the tautomeric equilibrium. Journal of Physical Chemistry A, 111, 39, 2007, 9901-9913. SJR (Scopus):1.951, JCR-IF (Web of Science):2.918 (x)
- Цитира се в:
133. Kochetov, A.N., Nosikova, L.A., Kudryashova, Z.A., Chernyshev, V.V., Tafeenko, V.A. and Tsivadze, A.Y., Physicochemical and Toxicological Studies of the Polymorphic Modifications of the Rodenticidal Substance "Chlorophacinone". Russian Journal of Physical Chemistry A, 97(6), pp.1335-1343., @2023 [Линк](#) 1.000
68. **J. Tasseva, V. Lozanova, R. Todorov,** K. Petkov. Optical Characterization of Ag/As-S-Se thin films. Journal of Optoelectronics and Advanced Materials, 9, 10, National Institute of Optoelectronics (INOE 2000) and National Institute of Material Physics (NIMP), 2007, ISSN:1454-4164, 3119-3124. SJR (Scopus):0.411, JCR-IF (Web of Science):0.827

Цитира се е:

134. Jemelka, J., Palka, K., Jancalek, J., Kurka, M., Slang, S., & Vleck, M. Preparation of solution-processed thin films of As-S-Se system from As₄₀S₆₀ solution modified by amorphous selenium, *Journal of Non-Crystalline Solids*, 605, 122159, 2023, @2023 [Линк](#) 1.000
135. Jena, B. J., Alagarasan, D., Ganesan, R., & Naik, R. Thermal annealing induced linear/nonlinear properties of Ag₂S/As₂Se₃ heterojunction films for optoelectronic applications, *Ceramics International*, 49, 27535-27550, 2023, @2023 [Линк](#) 1.000
69. J. Tasseva, R. Todorov, D. Tsankov, K. Petkov. Optical properties of multi-component arsenic-containing chalcogenide thin films. *Journal of Optoelectronics and Advanced Materials*, 9, 2, National Institute of Optoelectronics (INOE 2000) and National Institute of Material Physics (NIMP), 2007, ISSN:1454-4164, 344-347. SJR (Scopus):0.184, JCR-IF (Web of Science):0.827

Цитира се е:

136. Nastas, A.M., Iovu, M.S., Prisacaru, A.M., Triduh, G.M., Prilepov, V.D., Tolstik, A.L., Stashkevich, I.V. Influence of the corona discharge on the formation of the diffractive holographic gratings in the As₄₀S₆₀-xSex films *Technical Physics*, Vol. 68, No. 5 651-655, 2023, @2023 [Линк](#) 1.000
137. Настас А.М., Иову М.С., Присакар А.М., Тридух Г.М., Прилепов В.Д., Толстик А.Л., Сташкевич И.В., Влияние поля коронного разряда на формирование голографических дифракционных решеток в пленках As₄₀S₆₀-xSex, *Журнал технической физики*, т.93(5), стр. 696-701, 2023, @2023 [Линк](#) 1.000
70. Stoykova, E., Alatan, A., Benzie, P., Grammalidis, N., Malassiotis, S., Ostermann, J., Piekh, S., Sainov, V., Theobalt, C., Thevar, T., Zabulis, X.. 3D Time-Varying Scene Capture Technologies – A Survey. *IEEE Transactions on Circuits and Systems for Video technology*, 17, 11, 2007, 1568-1586. ISI IF:2.615

Цитира се е:

138. Miller, Samuel A., and Rony Abovitz. "Recognizing objects in a passable world model in augmented or virtual reality systems." U.S. Patent No. 11, 663, 789. 30 May 2023., @2023 [Линк](#) 1.000
139. Sanger, George Alistair, Samuel A. Miller, and Graeme John Devine. "Technique for controlling virtual image generation system using emotional states of user." U.S. Patent No. 11, 656, 680. 23 May 2023., @2023 [Линк](#) 1.000
140. Schowengerdt, Brian T., and Samuel A. Miller. "Frame-by-frame rendering for augmented or virtual reality systems." U.S. Patent No. 11, 854, 150. 26 Dec. 2023., @2023 [Линк](#) 1.000

2008

71. Elena Stoykova, Jana Harizanova, Ventseslav Sainov. Pattern Projection Profilometry for 3D Coordinates Measurement of Dynamic Scenes. Three-dimensional television, Springer, 2008, 85-164

Цитира се е:

141. Nazarchuk, Z., Muravsky, L., & Kuryliak, D. (2023). New Methods of Speckle Metrology in Analysis of Rough Surfaces. In *Optical Metrology and Optoacoustics in Nondestructive Evaluation of Materials* (pp. 219-247). Singapore: Springer Nature Singapore., @2023 [Линк](#) 1.000
142. Nazarchuk, Z., Muravsky, L., & Kuryliak, D. (2023). Optical Metrology and Optoacoustics Techniques for Nondestructive Evaluation of Materials. In *Optical Metrology and Optoacoustics in Nondestructive Evaluation of Materials* (pp. 1-34). Singapore: Springer Nature Singapore., @2023 [Линк](#) 1.000

72. Georgiev, A, Karamancheva, I, Dimov, D, Zhivkov, I, Spassova, E. FTIR study of the structures of vapor deposited PMDA-ODA film in presence of copper phthalocyanine. *Journal of Molecular Structure*, 888, Elsevier, 2008, DOI:https://doi.org/10.1016/j.molstruc.2007.12.006, 214-223. JCR-IF (Web of Science):2.011

Цитира се е:

143. Shin, H.I., Chae, D.J., Park, H.J., (...), Kwon, J.Y., Lee, S.W.. "Synthesis and characterization of aqueous base developable negative-tone poly(imide-amic acid) copolymers by the effect of the imidization ratio". *Molecular Crystals and Liquid Crystals*. 761(1), pp. 95-103, 2023, @2023 [Линк](#) 1.000

73. Petrova, N., Todorovsky, D., Angelova, S., Mehandjiev, D.. Synthesis and characterization of cerium citric and tartaric complexes. *Journal of Alloys and Compounds*, 454, 1-2, Elsevier BV, 2008, ISSN:09258388, DOI:https://doi.org/10.1016/j.jallcom.2007.01.005, 491-500. SJR (Scopus):0.888 (x)

Цитира се е:

144. Filippova, A.D., Baranchikov, A.E. and Ivanov, V.K., 2023. Enzyme-like activity of cerium dioxide colloidal solutions stabilized with L-malic acid. *Colloid Journal*, 85(5), pp.782-794., @2023 [Линк](#) 1.000

74. Singh, G., Bittner, AM, Loscher, S, Malinowski, N, Kern, K. Electrospinning of diphenylalanine nanotubes. *ADVANCED MATERIALS*, 20, 12, WILEY-VCH VERLAG GMBH, 2008, ISSN:0935-9648, DOI:10.1002/adma.200702802, 2332-2336. ISI IF:18.172

Цитира се е:

145. Handa, A; Baptista, RMF; (...); Belsley, M. "Electrospun Microstructured Biopolymer Fibers Containing the Self-Assembled Boc-Phe-Ile Dipeptide: Dielectric and Energy Harvesting Properties". *SUSTAINABILITY*, 15 (22), @2023 [Линк](#) 1.000

146. Sun, WZ; Gregory, DA and Zhao, XB. "Designed peptide amphiphiles as scaffolds for tissue engineering". *ADVANCES IN COLLOID AND INTERFACE SCIENCE*, 314, @2023 [Линк](#) 1.000
75. Yovcheva, T, **Babeva, T**, Nikolova, K, Mekishev, G. Refractive index of corona-treated polypropylene films. *J. Opt. A: Pure Appl. Opt.*, 10, 2008, 055008. ISI IF:2.059
Цитира се в:
147. Lee, W.J., Oh, S., Park, J.E., Hwang, J. and Eom, H., "Scalable, solvent-free transparent film-based air filter with high particulate matter 2.5 filtration efficiency", *Science of The Total Environment*, 895, p.165197, 2023, @2023 [Линк](#) 1.000
76. Martínez-Ponce, G, Solano, C, Rodríguez-González, R, Larios-López, L, Navarro-Rodríguez, D, **Nikolova, L**. All-optical switching using supramolecular chiral structures in azopolymers. *Journal of Optics A: Pure and Applied Optics*, 10, 11, IOP Publishing, 2008, ISSN:1464-4258, DOI:doi: 10.1088/1464-4258/10/11/115006, 115006-1-115006-5. SJR (Scopus):1.206, JCR-IF (Web of Science):1.924
Цитира се в:
148. R. Julia Rodríguez-González, A. Ramos-Díaz de León, E. Hernández-Hernández, L. Larios-López, A. Yasser Ruiz-Martínez, I. Felix-Serrano, D. Navarro-Rodríguez. "Enhancement of the photoinduced birefringence and inverse relaxation of a liquid crystal azopolymer by doping with carbon nanostructures". *Journal of Photochemistry and Photobiology, A: Chemistry* 2023 (IF2021: 5.141, Q2), vol. 435, art. no. 114342 (9 pp). DOI: <https://doi.org/10.1016/j.jphotochem.2022.114342>, @2023 [Линк](#) 1.000

2009

77. **Nikolova, L**, Ramanujam, P. *Polarization Holography*. Cambridge University Press, 2009, ISBN:978-0-521-50975-6, DOI:<https://doi.org/10.1017/CBO9780511581489>, 266
Цитира се в:
149. B. Audia, C. M. Tone, P. Pagliusi, A. Mazzulla, G. Cipparrone. "Hierarchical Fourier Surfaces via Broadband Laser Vectorial Interferometry". *ACS Photonics* (IF2022: 7, Q1), Vol. 10, pp. 3060-3069, 2023. <https://doi.org/10.1021/acsp Photonics.3c00387>, @2023 [Линк](#) 1.000
150. B. Audia, P. Pagliusi, A. Mazzulla, G. Cipparrone. "Highly Resolved and Cross-Talk Free Multiplexed Holograms via Broadband Vectorial Interferometry". *Advanced Optical Materials* (IF2022:9, Q1), Vol. 11(16), art. no. 2300275 (9 pp), 2023. <https://doi.org/10.1002/adom.202300275>, @2023 [Линк](#) 1.000
151. C.N.H. Minh, S. Petrov, V. Marinova, S.-H. Lin. "Geometric phase device writing on a nematic LC cell by using polarization holography". *Proc. SPIE* (SJR2022: 0.17), Vol. 12682, Photonic Fiber and Crystal Devices: Advances in Materials and Innovations in Device Applications XVII, art. no. 126820F (5 October 2023). <https://doi.org/10.1117/12.2677939>, @2023 [Линк](#) 1.000
152. D. Nazarova, L. Nedelchev, N. Berberova-Buhova, G. Mateev. "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". *Nanomaterials* (IF2022:5.3, Q1), volume 13, art. no. 2946 (38 pp), 2023. <https://doi.org/10.3390/nano13222946>, @2023 [Линк](#) 1.000
153. Е. А. Акимова, В. Г. Абашкин, А. Ю. Мешалкин, К. С. Лошманский, В. С. Ботнарь. "Поляриметрические характеристики полимера PEPC, легированного фотоизомеризуемым хромофорным азокрасителем SY3". *Электронная обработка материалов*, 2023, 59(4), 33–41. <https://doi.org/10.52577/eom.2023.59.4.33>, @2023 [Линк](#) 1.000
154. J. Strobelt, M. Van Soelen, H. Abourahma, D. J. McGee. "Supramolecular Azopolymers for Dynamic Surface Microstructures Using Digital Polarization Optics". *Advanced Optical Materials* (IF2022:9, Q1), Vol. 11(8), art. no. 2202245, 2023. <https://doi.org/10.1002/adom.202202245>, @2023 [Линк](#) 1.000
155. M. J. Moran, O. Ouskova, K. M. Gerosa, A. Tabirian, N. V. Tabiryan, N. P. Godman, M. E. McConney, J. Slagle, T. J. Bunning. "The directed self-assembly of reflective liquid crystalline polymer films to form polarization-independent diffractive optical elements". *Polymer* (IF2022: 4.6, Q1), Vol. 283, art. no 126198 (7 pp), 2023. <https://doi.org/10.1016/j.polymer.2023.126198>, @2023 [Линк](#) 1.000
156. U. Ruiz, T. Cerda. "Polarization sensitive security system". *Proc. SPIE*, vol. 12667 (Laser Beam Shaping XXIII), art. no. 1266707 (9 pp), 2023. <https://doi.org/10.1117/12.2677658>, @2023 [Линк](#) 1.000
157. W. Liu, Z. Li, M. A. Ansari, H. Cheng, J. Tian, X. Chen, S. Chen. "Design Strategies and Applications of Dimensional Optical Field Manipulation Based on Metasurfaces". *Advanced Materials* (IF2022:29.4, Q1), Vol. 35(30), art. no. 2208884, 2023. <https://doi.org/10.1002/adma.202208884>, @2023 [Линк](#) 1.000
158. Z. Wang, H. Huang, Ch. Hsu, X. Wang. "Capturing Vector Light Field on Azo Molecular Glass Submicron Pillar Array for Polarization Recording and Creating Optical Functional Surfaces". *Advanced Materials Technologies* (IF2022: 6.8, Q1), Vol. 8(24), art. no. 2301173, 2023. <https://doi.org/10.1002/admt.202301173>, @2023 [Линк](#) 1.000
78. **Stoykova, E.**, Minchev, G., Sainov, V.. Fringe projection with a sinusoidal phase grating. *Appl. Opt.*, 48, 2009, 4774-4784. ISI IF:1.784
Цитира се в:
159. Balasubramaniam, B., Li, J., Liu, L., & Li, B. (2023). 3D Imaging with Fringe Projection for Food and Agricultural Applications—A Tutorial. *Electronics*, 12(4), 859., @2023 [Линк](#) 1.000
160. Shanmugam, P., & Falaggis, K. (2023). Fringe projector with submillimeter fringe spacing at a meter-scale field of view. *Applied Optics*, 62(31), 8334-8341., @2023 [Линк](#) 1.000

79. Scholz, T., Mihailova, B., Schneider, G.A., Pagels, N., Heck, J., Malcherek, T., Fernandes, R.P., **Marinova, V.**, Gospodinov, M., Bismayer, U.. Ferroelectric properties of ruthenium-doped lead zinc niobate-lead titanate single crystal. Journal of Applied Physics, 106, 7, 2009, 074108. JCR-IF (Web of Science):2.228
Цитира се е:
161. Brajesh, K., Ranjan, S., Garg, A. Phase evolution and enhanced room temperature piezoelectric properties response of lead-free Ru-doped BaTiO₃ ceramic (2023) Oxford Open Materials Science, 3 (1), art. no. itad015, DOI: 10.1093/oxfmat/ itad015, @2023 [Линк](#) 1.000
80. **Stoykova, E.**, Harizanova, J., Sainov, V.. Pattern projection with a sinusoidal phase grating. Eurasip journal advanced sign processing, 6, 2009, ISSN:1110-8657, JCR-IF (Web of Science):0.885
Цитира се е:
162. Tan, S. N. A. (2023). Emergence of colour by tunable surface wrinkling in one and multi-dimensions., @2023 [Линк](#) 1.000
81. Rauschenbach, S., Vogelgesang, R, **Malinowski, N**, Gerlach, JW, Benyoucef, M, Costantini, G, Deng, ZT, Thontasen, N, Kern, K. Electrospray Ion Beam Deposition: Soft-Landing and Fragmentation of Functional Molecules at Solid Surfaces. ACS NANO, 3, 10, AMER CHEMICAL SOC, 2009, ISSN:1936-0851, DOI:DOI: 10.1021/nn900022p, 2901-2910. ISI IF:14.412
Цитира се е:
163. Gabarró-Riera, G., Aromí, G., Sañudo, E.C. "Magnetic molecules on surfaces: SMMs and beyond", Coordination Chemistry Reviews, 475, 214858, @2023 [Линк](#) 1.000
164. Ghosh, J and Cooks, RG. "Mass spectrometry in materials synthesis". TRAC-TRENDS IN ANALYTICAL CHEMISTRY , 161, @2023 [Линк](#) 1.000
165. Jiang, XY; Brooks, A; (...); Hebard, AF. "Fabrication and Low-Temperature Characterization of Phthalocyanine Molecular Tunnel Heterojunctions". JOURNAL OF PHYSICAL CHEMISTRY C, 127 (35) , pp.17473-17481, @2023 [Линк](#) 1.000
166. Yang, FS; Urban, RD; (...); Warneke, J. "Control of Intermediates and Products by Combining Droplet Reactions and Ion Soft-Landing". ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, , @2023 [Линк](#) 1.000
82. A-M Welsch, Bernd J Maier, JM Engel, B Mihailova, RJ Angel, C Paulmann, M Gospodinov, A Friedrich, R Stosch, B Güttler, **D Petrova**, U Bismayer. Effect of Ba incorporation on pressure-induced structural changes in the relaxor ferroelectric PbSc 0.5 Ta 0.5 O 3. Physical Review B, 80, 10, American Physical Society, 2009, ISSN:24699950, 24699969, 104118. SJR (Scopus):1.819
Цитира се е:
167. Deluca, Marco, et al. "Advantages and developments of Raman spectroscopy for electroceramics." Communications Materials 4.1 (2023): 78., @2023 1.000
83. **Tomova, R. L., Petrova, P. K.**, Stoycheva-Topalova, R.. Bathocuproine as hole-blocking and electron-transporting layer in Organic Light Emitting Devices. Nanoscience & Nanotechnology 9, 9, eds. E.Balabanova, I.Dragieva, Sofia, 2009 printed by "BPS" Ltd., Sofia, Bulgaria, 2009, 114-117
Цитира се е:
168. Fei, N Li, M Wang, X Wang, H Gu, B Chen, Z Zhang. "Lead-chelating hole-transport layers for efficient and stable perovskite minimodules." Science, 2023, 380, Is. 6647pp. 823-829 DOI: 10.1126/science.ade9463, @2023 [Линк](#) 1.000
84. **Petrova, P. K., Tomova, R. L.**, Stoycheva-Topalova, R., Kaloianova, S., Deligeorgiev, T.. Novel Al complex as emitter in organic light emitting diodes. Optoelectronics and Advanced Materials – Rapid Communications, 3, 5, INOE Publishing House, 2009, ISSN:1842-6573, 424-427. ISI IF:0.43
Цитира се е:
169. Rashamuse J., Mohlala R., Coyanis M., Magwa A. "Review: Blue Fluorescent Zinc (II) Complexes for OLEDs—A Last Five-Year Recap. "Molecules 2023, 28, 5272. <https://doi.org/10.3390/molecules28135272>, @2023 [Линк](#) 1.000
85. **J. Tasseva, R. Todorov**, K. Petkov. Linear and non-linear optical properties of thin films from the system As-S-Se. Journal of Optoelectronics and Advanced Materials, 11, 9, National Institute of Optoelectronics (INOE 2000) and National Institute of Material Physics (NIMP), 2009, ISSN:1454-4164, 1257-1260. SJR (Scopus):0.283, JCR-IF (Web of Science):0.433
Цитира се е:
170. J. Jancalek, S. Slang, J. Jemelka, et al., Preparation of ternary spin-coated thin films by mixing binary As-S and As-Se glass solutions, Journal of Non-Crystalline Solids: X 17, 100142, 2023., @2023 [Линк](#) 1.000
86. **Babeva, T, Todorov, R**, Mintova, S, Yovcheva, T, Naydenova, I, Toal, V. Optical properties of silica-MFI doped acrylamide-based photopolymer. Journal of Optics A: Pure Applied Optics, 11, 2009, 024015. SJR (Scopus):0.975, JCR-IF (Web of Science):1.198
Цитира се е:
171. Gao, Y., Zhang, Y., Michelin, L., Lalevée, J. and Simon-Masseron, A., "Binder effects in photopolymerized acrylate/zeolite composites for 3D printing/ion-exchange applications. Materials Chemistry and Physics", 293, p.126853, 2023, @2023 [Линк](#) 1.000

172. Nazarova, D., Nedelchev, L., Berberova-Buhova, N. and Mateev, G., "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". *Nanomaterials*, 13(22), 2946, 2023, @2023 1.000

87. Ivanova, D, Nikolov, V, **Todorov, R.** Single crystal growth and absorption spectra of Cr³⁺ doped Al_{2-x}In_x(WO₄)₃ solid solutions. *Journal of Crystal Growth*, 311, 2009, 3428-3434. SJR (Scopus):0.772, JCR-IF (Web of Science):1.534

Цитира се в:

173. Yang, S., Y. Wang, G. Xiang, S. Jiang, L. Li, F. Ling, H. Hu, Y. Zhang, X. Zhou, A. Suchocki, Luminescence properties and phase transformation of broadband NIR emitting A₂(WO₄)₃:Cr³⁺ (A = Al³⁺, Sc³⁺) phosphors toward NIR spectroscopy applications, *Journal of Luminescence* 253, 119445, 2023., @2023 [Линк](#) 1.000

2010

88. **Babeva, T**, Mackey, D, Naydenova, I, Martin, S, Toal, V. Surface Relief Profile of Photopolymerisable Systems in a Single Illuminated Spot. 1288, AIP Conference Proceedings, 2010, 43-46. SJR:0.15

Цитира се в:

174. Nazarova, D., Nedelchev, L., Berberova-Buhova, N. and Mateev, G., "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". *Nanomaterials*, 13(22), 2946, 2023, @2023 1.000

89. Naydenova, I, Kotakonda, P, Jallapuram, R, **Babeva, T**, Mintova, S, Bade, D, Martin, S, Toal, V. Recent and Emerging Applications of Holographic Photopolymers and Nanocomposites. AIP Conference Proceedings, 1288, 2010, 30-34. SJR:0.15

Цитира се в:

175. Nazarova, D., Nedelchev, L., Berberova-Buhova, N. and Mateev, G., "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". *Nanomaterials*, 13(22), 2946, 2023, @2023 1.000

90. **Todorov, R**, Tasseva, J, **Babeva, T**, Petkov, K. Multilayer As₂Se₃/GeS₂ quarter wave structures for photonic applications. *J. Phys. D: Appl. Phys*, 43, 2010, 505103. SJR:0.982, ISI IF:2.721

Цитира се в:

176. Jemelka, J., Palka, K., Janicek, P., Slang, S., Jancalek, J., Kurka, M. and Vlcek, M., "Solution processed multi-layered thin films of Ge₂₀Sb₅S₇₅ and Ge₂₀Sb₅Se₇₅ chalcogenide glasses". *Scientific Reports*, 13(1), 16609, 2023, @2023 [Линк](#) 1.000

91. **Babeva, T**, Mackey, D, Naydenova, I, Martin, S, Toal, V. Study of the photoinduced surface relief modulation in photopolymers caused by illumination with a Gaussian beam of light. *Journal of Optics*, 12, 2010, 124011. ISI IF:2.059

Цитира се в:

177. Nazarova, D., Nedelchev, L., Berberova-Buhova, N. and Mateev, G., "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". *Nanomaterials*, 13(22), 2946, 2023, @2023 1.000

92. Leite, E, **Babeva, T**, Ng, E.-P, Toal, V, Mintova, S, Naydenova, I. Optical Properties of Photopolymer Layers Doped with Aluminophosphate Nanocrystals. *Journal of Physical Chemistry C*, 114, 39, 2010, 16767-16775. ISI IF:4.772

Цитира се в:

178. Nazarova, D., Nedelchev, L., Berberova-Buhova, N. and Mateev, G., "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". *Nanomaterials*, 13(22), p.2946, 2023, @2023 1.000

93. Tasseva, J, **Todorov, R**, **Babeva, T**, Petkov, K. Structural and optical characterization of Ag photo-doped thin As₄₀S_{60-x}Se_x films for non-linear applications. *Journal of Optics*, 12, 2010, 065601. SJR (Scopus):1.079, JCR-IF (Web of Science):1.662

Цитира се в:

179. Jena, B.J., Alagarasan, D., Ganesan, R. and Naik, R., "Thermal annealing induced linear/nonlinear properties of Ag₂S/As₂Se₃ heterojunction films for optoelectronic applications". *Ceramics International*. 49 (16), 27535-27550, 2023, @2023 [Линк](#) 1.000

180. Jena, B.J., Alagarasan, D., Kumar, J. and Naik, R., "Phase change, tuning of optical and dielectric parameters in Bi/S-Se-Sb heterostructure film upon thermal annealing: An experimental and computational approach". *Journal of Alloys and Compounds*, 968, p.171873, 2023, @2023 [Линк](#) 1.000

181. Jena, B.J., Pradhan, D., Kumar, J. and Naik, R., "An experimental and computational study for enhancement in optical nonlinearity and dielectric behaviour in thermal annealing induced Ag diffusion at Ag/Sb-S-Se interface". *Surfaces and Interfaces*, 40, 103114, 2023, @2023 [Линк](#) 1.000

182. Priyadarshini, P., Parida, A., Alagarasan, D., Ganesan, R. and Naik, R., 2023. Time-dependent laser irradiation-induced kinetics of changes in linear-nonlinear optical properties of Bi₁₅In₂₀Se₆₅ thin films for IR applications. *Journal of Applied Physics*, 133(6), 063104, 2023., @2023 [Линк](#) 1.000

94. **Babeva, T.**, Naydenova, I., Mackey, D., Martin, S., Toal, V. Two-way diffusion model for short-exposure holographic grating formation in acrylamide based photopolymer. *J. Opt. Soc. Am. B*, 27, 2, 2010, 197-203. ISI IF:1.97

[Цитира се в:](#)

183. Bielykh, S.P., Galstian, T.V. and Reshetnyak, V.Y., " Theoretical study of the reaction–diffusion model of a three-component photopolymerizable system taking into account the shrinking effect". *Results in Optics*, 11, p.100389, 2023, @2023

95. Ivanova, G., Yakimova, B., **Angelova, S.**, Stoineva, I., Enchev, V.. Influence of pH on the cis–trans isomerization of Valine-Proline dipeptide: An integrated NMR and theoretical investigation. *Journal of Molecular Structure*, 975, 1-3, Elsevier, 2010, ISSN:07391102, 330-334. SJR (Scopus):0.709, JCR-IF (Web of Science):1.599 (x)

[Цитира се в:](#)

184. Homma, T., Terui, S., Yokoyama, F., Okino, S., Ohta, S., Kato, C., Haraguchi, N., Fujisawa, I., Itsuno, S. and Ang, L.Z.P., Simple production of resilin-like protein hydrogels using the *Brevibacillus* secretory expression system and column-free purification. *Biotechnology and Bioengineering*, 120(1), pp.194-202, @2023 [Линк](#)

96. **Tomova R. L., Petrova, P. K.**, Stoycheva-Topalova, R.. Role of bathocuproine as hole-blocking and electron-transporting layer in Organic Light Emitting Devices. *Physica Status Solidi C*, 7, 3-4, Wiley-VCH Verlag, 2010, ISSN:1610-1642, DOI:10.1002/pssc.200982725, 992-995. SJR:0.381

[Цитира се в:](#)

185. Fei C., Li N., Wang M., Wang X., Gu H., Chen B., Zhang Z., Ni Z., Jiao H., Xu W., Shi Z., Yan Y., Huang J., Lead-chelating hole-transport layers for efficient and stable perovskite minimodules, *SCIENCE*, Vol. 380, NO. 6647, pp. 823-829, 2023, @2023 [Линк](#)

186. Henderson C., Luke J., Bicalho I., Correa L., Yang E., Rimmle M., Demetriou H., Chin Y.-C., Lan T., Heutz S., Gasparini N., Heeney M., Bagnisb D., Kim J.-S. -, Charge transfer complex formation between organic inter layers drives light-soaking in large area perovskite solar cells, *Energy & Environmental Science*, · 2023, @2023 [Линк](#)

97. Maier , B. J., Angel, R. J., Marshall, W. G., Mihailova, B., Paulmann, C., Engel, J. M., Gospodinov, M., Welsch, A.-M., **Petrova, D.**, Bismayer, U.. Octahedral tilting in Pb-based relaxor ferroelectrics at high pressure. *Acta Crystallographica Section B Structural Science*, 66, 3, 2010, 280-291. JCR-IF (Web of Science):2

[Цитира се в:](#)

187. Lu, Yanzhou, et al. "Enhanced Electrocaloric Effect of Lead Scandium Tantalate by Zirconium Doping." *ACS Applied Materials & Interfaces* 11(2023), @2023

98. Lin, Ching-Hsi, **Dimitrov, Dimitre Z.**, Du, Chen-Hsun, Lan, Chung-Wen. Influence of surface structure on the performance of black-silicon solar cell. *Phys. Status Solidi C*, 7, 11-12, 2010, 2778-2784. SJR (Scopus):0.28

[Цитира се в:](#)

188. S. Barua, S. Bandyopadhyay and S. Chatterjee, "Nano porous Structure formation on Multicrystalline Silicon Surface by using Chemical Etching method.", " 2023 IEEE Devices for Integrated Circuit (DevIC), pp. 400-403, Kalyani, India, (2023) doi: 10.1109/DevIC57758.2023.10134947., @2023

2011

99. Maier, B. J., Welsch, A.-M., Mihailova, B., Angel, R. J., Zhao, J., Paulmann, C., Engel, J. M., Marshall, W. G., Gospodinov, M., **Petrova, D.**, Bismayer, U.. Effect of La doping on the ferroic order in Pb-based perovskite-type relaxor ferroelectrics. *Phys. Rev. B*, 83, 13, 2011, 134106. JCR-IF (Web of Science):3.896

[Цитира се в:](#)

189. Dul'kin, Evgeniy, et al. "Non-trivial Behavior of Temperature of Dielectric Constant Maximum in (Pb/La)(Zr/Ti) O 3 9/65/35 Relaxor Ferroelectric Ceramics Detected by Acoustic Emission." *Materials Research* 26 (2023): e20220061., @2023

190. Su, Zihan, et al. "Performance Optimization of Pb0.97La0.03Sc0.45Ta0.45Ti0.1O3 Ceramics by Annealing Process." *Materials* 16.12 (2023): 4479., @2023

100. **Marinova, V.**, Liu, R. C., Lin, S. H., Yuh, H. K.. Real-time holography in ruthenium-doped bismuth sillenite crystals at 1064 nm. *Optics Letters*, 36, 11, 2011, 1981-1983. ISI IF:3.292

[Цитира се в:](#)

191. Kowalczyk, M., Kaczkan, M., Majchrowski, A., Malinowski, M. A Comparative Study of Eu3+-Doped Sillenites: Bi12SiO20 (BSO) and Bi12GeO20 (BGO) (2023) *Materials*, 16 (4), art. no. 1621, DOI: 10.3390/ma16041621, @2023 [Линк](#)

101. Naydenova, I., Leite, E., **Babeva, T.**, Pandey, N., Baron, T., Yovcheva, T., Sainov, S., Martin, S., Mintova, S., Toal, V. Optical properties of photopolymerisable nanocomposites containing nanosized molecular sieves. *Journal of Optics*, 13, 2011, 044019. ISI IF:2.059

Цитира се е:

192. Nazarova, D., Nedelchev, L., Berberova-Buhova, N. and Mateev, G., "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". *Nanomaterials*, 13(22), 2946, 2023, @2023 1.000
102. V. **Marinova**, S H Lin, K Y Hsu. "Photorefractive properties enhancement of doped bismuth sillenite crystals". *Optical Memory & Neural Networks*, 20, 1, 2011, ISSN:1934-7898, 7-22

Цитира се е:

193. Kowalczyk, M., Kaczkan, M., Majchrowski, A., Malinowski, M. A Comparative Study of Eu³⁺-Doped Sillenites: Bi₁₂SiO₂₀ (BSO) and Bi₁₂GeO₂₀ (BGO) (2023) *Materials*, 16 (4), art. no. 1621, DOI: 10.3390/ma16041621, @2023 [Линк](#) 1.000
103. **Stoykova, E.**, Gotchev, A., Sainov, V.. Analysis of a Multi-wavelength Multi-camera Phase-shifting Profilometric System for real-time Operation. *Optics Commun.*, 284, 1, Elsevier, 2011, ISSN:0030-4018, DOI:doi:10.1016/j.optcom.2010.08.050, 88-97. ISI IF:1.45

Цитира се е:

194. Арбузов, В. А., Арбузов, Э. В., Дубнищев, Ю. Н., Лукашов, В. В., & Золотухина, О. С. (2023). ОПТИЧЕСКИЕ МЕТОДЫ ИССЛЕДОВАНИЯ ПОТОКОВ. Москва, 26, 100-108., @2023 [Линк](#) 1.000
104. Enchev, V., **Angelova, S.**, Rogojerov, M., Monev, V., Wawer, I., Tkaczyk, M., Kostova, K.. Solid-state tautomerism in 2-carboxyindan-1, 3-dione. *Journal of Physical Chemistry A*, 115, 10, 2011, ISSN:15205215, DOI:10.1021/jp1100973, 2026-2034. SJR (Scopus):1.422, JCR-IF (Web of Science):2.946 (x)

Цитира се е:

195. Babiker, M.E.M., Alzharani, A.A. and Bakry, A.M., Computational Study of the Keto-Enol Tautomerism of 3-Phenyl-2, 4-Pentanedione in the Gaseous Phase and Solvents Using DFT Methods. *Oriental Journal of Chemistry*, 39(1), p.40., @2023 [Линк](#) 1.000
105. Todorov, N. D., Abrashev, M. V., Ivanov, V. G., Tsutsumanova, G.G., **Marinova, V.**, Wang, Y.Q., Iliev, M. N.. Comparative Raman study of isostructural YCrO₃ and YMnO₃: Effects of structural distortions and twinning. *Physical Review B*, 83, 22, 2011, 224303. ISI IF:3.736

Цитира се е:

196. Dinh, D.V., Peiris, F., Lähnemann, J., Brandt, O. Optical properties of ScN layers grown on Al₂O₃(0001) by plasma-assisted molecular beam epitaxy (2023) *Applied Physics Letters*, 123 (11), art. no. 112102, . DOI: 10.1063/5.0164058, @2023 [Линк](#) 1.000
197. Islam, M.A., Sato, T., Ara, F., Basith, M.A. Sol-gel based synthesis to explore structure, magnetic and optical properties of double perovskite Y₂FeCrO₆ nanoparticles (2023) *Journal of Alloys and Compounds*, 944, art. no. 169066, DOI: 10.1016/j.jallcom.2023.169066, @2023 [Линк](#) 1.000
198. Mall, A.K., Garg, N., Verma, A.K., Errandonea, D., Chitnis, A.V., Srihari, V., Gupta, R. Discovery of high-pressure post-perovskite phase in HoCrO₃ (2023) *Journal of Physics and Chemistry of Solids*, 172, art. no. 111078, DOI: 10.1016/j.jpcs.2022.111078, @2023 [Линк](#) 1.000
199. Manchón-Gordón, A.F., Sánchez-Jiménez, P.E., Blázquez, J.S., Perejón, A., Pérez-Maqueda, L.A. Structural, Vibrational, and Magnetic Characterization of Orthoferrite LaFeO₃ Ceramic Prepared by Reaction Flash Sintering (2023) *Materials*, 16 (3), art. no. 1019, .DOI: 10.3390/ma16031019, @2023 [Линк](#) 1.000
200. Wang, J., Liu, H., Shen, Q., Dai, H. Impacts of Mn-deficiency on the structure and physical properties of GdMnO₃ ceramics (2023) *Journal of Materials Science: Materials in Electronics*, 34 (28), art. no. 1918, DOI: 10.1007/s10854-023-11330-9, @2023 [Линк](#) 1.000
201. Yinghao Zhu, Kaitong Sun, Si Wu, Pengfei Zhou, Ying Fu, Junchao Xia, Hai-Feng Li "A comprehensive review on the ferroelectric orthochromates: Synthesis, property, and application" *Coordination Chemistry Reviews*, Volume 475, 214873 (2023), @2023 [Линк](#) 1.000
202. Zhang, G., Wang, H., Chen, J., Liu, D., Li, T., Dai, H. Effects of Ho doping on the structural, dielectric, and magnetic properties of GdMnO₃ ceramics (2023) *Journal of Materials Science: Materials in Electronics*, 34 (5), art. no. 366, DOI: 10.1007/s10854-022-09747-9, @2023 [Линк](#) 1.000
203. Zhu, Y., Sun, K., Wu, S., Zhou, P., Fu, Y., Xia, J., Li, H.-F. A comprehensive review on the ferroelectric orthochromates: Synthesis, property, and application (2023) *Coordination Chemistry Reviews*, 475, art. no. 214873, DOI: 10.1016/j.ccr.2022.214873, @2023 [Линк](#) 1.000
106. Iliev, M. N., Ivanov, V. G., Todorov, N. D., **Marinova, V.**, Abrashev, M. V., Petrova, R., Wang, Y.Q., Litvinchuk, A. P.. Lattice dynamics of the alpha and beta phases of LiFe₅O₈. *Physical Review B*, 83, 17, 2011, 174111. ISI IF:3.736

Цитира се е:

204. Granados-Miralles, C., Serrano, A., Prieto, P., Guzmán-Mínguez, J., Prieto, J.E., Friedel, A.M., García-Martín, E., Fernández, J.F., Quesada, A. Quantifying Li-content for compositional tailoring of lithium ferrite ceramics (2023) *Journal of the European Ceramic Society*, 43 (8), pp. 3351-3359. DOI: 10.1016/j.jeurceramsoc.2023.02.011, @2023 [Линк](#) 1.000
205. Mohapatra, P.P., Dobbidi, P. Thickness tuneable dielectric, optical and magnetic response of lithium ferrite thin films deposited by pulsed laser deposition (2023) *Thin Solid Films*, 774, art. no. 139845, DOI: 10.1016/j.tsf.2023.139845, @2023 [Линк](#) 1.000
107. Boyraz, C., Mazumdar, D., Iliev, M., **Marinova, V.**, Ma, J., Srinivasan, G., Gupta, A.. Structural and magnetic properties of lithium ferrite (LiFe₅O₈) thin films: Influence of substrate on the octahedral site order. *Applied Physics Letters*, 98, 1, 2011, 012507. ISI IF:3.302

Цитира се е:

206. Granados-Mirallas, C., Serrano, A., Prieto, P., Guzmán-Mínguez, J., Prieto, J.E., Friedel, A.M., García-Martín, E., Fernández, J.F., Quesada, A. Quantifying Li-content for compositional tailoring of lithium ferrite ceramics (2023) *Journal of the European Ceramic Society*, 43 (8), pp. 3351-3359 DOI: 10.1016/j.jeurceramsoc.2023.02.011, @2023 [Линк](#) 1.000
207. Hou, W., Zhang, Z., Zhang, L., Hu, J. Electric field tuning of ferromagnetic resonance field and linewidth in epitaxial LiFe₅O₈/PMN-PT (0 1 1) heterostructure (2023) *Journal of Magnetism and Magnetic Materials*, 569, art. no. 170477, DOI: 10.1016/j.jmmm.2023.170477, @2023 [Линк](#) 1.000
208. Kun Liu, Ruyi Zhang, Lu Lu, Jiakang Li and Songyou Zhang “Effect of Film Thickness on Microstructural and Magnetic Properties of Lithium Ferrite Films Prepared on Strontium Titanate (001) Substrates” *Coatings*, 13(12), 2097 (2023), @2023 [Линк](#) 1.000
209. Lu, L., Liu, K., Mi, S.-B. Unveiling interfacial properties of epitaxial spinel Li_{0.5}Fe_{2.5}O₄ (001) film grown on perovskite substrate (2023) *Materials Characterization*, 200, art. no. 112887, DOI: 10.1016/j.matchar.2023.112887, @2023 [Линк](#) 1.000
210. Lu, L., Liu, K., Zhang, R., Cheng, S.-D., Mi, S.-B. Epitaxial growth and interface of (1 1 1)-oriented spinel Li_{0.5}Fe_{2.5}O₄ film on SrTiO₃(0 0 1) substrate (2023) *Materials Letters*, 351, art. no. 135037, DOI: 10.1016/j.matlet.2023.135037, @2023 [Линк](#) 1.000
211. Mohapatra, P.P., Dobbidi, P. Conduction mechanism, dielectric, and magnetic investigation of lithium ferrite thin films deposited by pulsed laser deposition (2023) *Applied Surface Science*, 619, art. no. 156706, DOI: 10.1016/j.apsusc.2023.156706, @2023 [Линк](#) 1.000
212. Mohapatra, P.P., Dobbidi, P. Thickness tuneable dielectric, optical and magnetic response of lithium ferrite thin films deposited by pulsed laser deposition (2023) *Thin Solid Films*, 774, art. no. 139845, DOI: 10.1016/j.tsf.2023.139845, @2023 [Линк](#) 1.000
213. Subash, S., Udhayakumar, S., Kumaresan, L., Patro, L.N., Kumaran, V., Kumar, E.S., Navaneethan, M., Kim, D.K., Bharathi, K.K. Ordered LiFe₅O₈ thin films prepared by pulsed laser deposition as an anode material for all-solid thin film batteries (2023) *Electrochimica Acta*, 454, art. no. 142318, DOI: 10.1016/j.electacta.2023.142318, @2023 [Линк](#) 1.000
108. Waeselmann, N., Mihailova, B., Maier, B. J., Paulmann, C., Gospodinov, M., **Marinova, V.**, Bismayer, U.. Local structural phenomena in pure and Ru-doped 0.9PbZn_{1/3}Nb_{2/3}O₃-0.1PbTiO₃ near the morphotropic phase boundary as revealed by Raman spectroscopy. *Physical Review B*, 83, 21, 2011, 214104. ISI IF:3.836

Цитира се е:

214. Cao, Y., Lin, J., Shi, Y., Li, G., Shi, C., Zhu, K., Ge, G., Chen, C., Yan, F., Yang, W., Xu, L., Shen, B., Zhai, J. High Piezoelectricity in Eco-Friendly NaNbO₃-Based Ferroelectric Relaxor Ceramics via Phase and Domain Engineering (2023) *ACS Applied Materials and Interfaces*, 15 (4), pp. 5399-5410. DOI: 10.1021/acsami.2c14737, @2023 [Линк](#) 1.000
215. Khedhri, M.H., Abdelmoula, N., Khemakhem, H. Structural, dielectric and Raman spectroscopy investigations of Ba_{1-x}Bi_{2x/3}(Fe_{0.5}Nb_{0.5})_{0.025}Ti_{0.975}O₃ ceramics (2023) *Applied Physics A: Materials Science and Processing*, 129 (3), art. no. 202, DOI: 10.1007/s00339-023-06484-6, @2023 [Линк](#) 1.000
216. Simin Wang, Fei Yan, Jin Qian, Guanglong Ge, Zhengqian Fu, Zhongbin Pan, Faqiang Zhang, Jinfeng Lin, Kun Zeng, Chukai Chen, Bo Shen, Zhifu Liu, Jiwei Zhai “Temperature Stability Lock of High-Performance Lead-Free Relaxor Ferroelectric Ceramics” Available at SSRN: <https://ssrn.com/abstract=4583421> or <http://dx.doi.org/10.2139/ssrn.4583421> (2023), @2023 [Линк](#) 1.000
109. **Todorov, R.** Tzankov, D, **Pirov, J.** Petkov, K. Structure and optical properties of thin As₂S₃ - In₂S₃ films. *Journal of Physics D: Applied Physics*, 44, 30, 2011, art.305401. SJR (Scopus):1.266, JCR-IF (Web of Science):2.544

Цитира се е:

217. Abdullah, M. N. Modified Optical Properties of Arsenic Selenide Thin Film at Low Temperatures. *Rafidain Journal of Science*, 32(2), 64-68, 2023, @2023 [Линк](#) 1.000
110. Markova, B., **Nazarova, D.**, **Sharlandjiev, P.**. Control of the spectral position of dichromated gelatin reflection holograms.. *Appl. Opt.*, 50, OSA, 2011, 5534-5537. ISI IF:1.791

Цитира се е:

218. Mikhailov, O.V. Gelatin Matrix as Functional Biomaterial for Immobilization of Nanoparticles of Metal-Containing Compounds. *J. Funct. Biomater.* 2023, 14, 92., @2023 [Линк](#) 1.000
111. Welsch, Anna-Maria, Maier, Bernd J., Mihailova, Boriana, Angel, R J., Zhao, J., Paulmann, C., Engel, J M., Gospodinov, M., **Marinova, V.**, Bismayer, U.. Transformation processes in relaxor ferroelectric PbSc_{0.5}Ta_{0.5}O₃ heavily doped with Nb and Sn. *Zeitschrift fur kristallographie*, 226, 2, 2011, DOI:10.1524, 126-137. ISI IF:1.31

Цитира се е:

219. Khedhri, M.H., Abdelmoula, N., Khemakhem, H. Structural, dielectric and Raman spectroscopy investigations of Ba_{1-x}Bi_{2x/3}(Fe_{0.5}Nb_{0.5})_{0.025}Ti_{0.975}O₃ ceramics (2023) *Applied Physics A: Materials Science and Processing*, 129 (3), art. no. 202, DOI: 10.1007/s00339-023-06484-6, @2023 [Линк](#) 1.000
220. Sharma, A., Yadav, P., Bhaumik, I., Singh, M.N., Sathe, V., Singh, G. Structural evaluation in vicinity of composition induced non-ergodic to ergodic crossover in niobium doped (Na_{0.41} K_{0.09} Bi_{0.5})TiO₃ (2023) *Journal of Applied Physics*, 134 (4), art. no. 044105, DOI: 10.1063/5.0160226, @2023 [Линк](#) 1.000
221. Wei Li, Tongxiang Liang, Xiang He, Vyunov Oleg, Dongfang Pang, Shan Wu “Enhanced electric-field induced strain in Eu³⁺ doped 0.67BiFeO₃-0.33BaTiO₃ lead-free piezoelectric ceramics” *Journal of Rare Earths*, Available online 11 August (2023), @2023 [Линк](#) 1.000

112. **Marinova, Vera**, Ren Chung Liu, Shiuian Huei Lin, Ken Yuh Hsu. "Quasi-nonvolatile storage in Ru-doped Bi₁₂SiO₂₀ crystals by two-wavelength holography". *Optics Express*, 20, 18, OSA, 2012, DOI:10.1364/OE.20.019628, 19628-19634. JCR-IF (Web of Science):3.372

Цитира се в:

222. Gao, T., Li, X., Wu, G., Wang, C., Wu, X., Hu, X., Chen, X., Zhuang, N. Growth and magneto-optical properties of Bi₂₅FeO₄₀ crystals with heavy Co/Fe co-doping (2023) *Journal of Alloys and Compounds*, 947, art. no. 169502, DOI: 10.1016/j.jallcom.2023.169502, @2023 [Линк](#) 1.000
223. Kowalczyk, M., Kaczkan, M., Majchrowski, A., Malinowski, M. A Comparative Study of Eu³⁺-Doped Sillenites: Bi₁₂SiO₂₀ (BSO) and Bi₁₂GeO₂₀ (BGO) (2023) *Materials*, 16 (4), art. no. 1621, DOI: 10.3390/ma16041621, @2023 [Линк](#) 1.000
113. Kahle, S, Deng, Z, **Malinowski, N**, Tonnoir, C, Forment-Aliaga, A, Thontasen, N, Rinke, G, Le, D, Turkowski, V, Rahman, TS, Rauschenbach, S, Ternes, M, Kern, K. The quantum magnetism of individual manganese-12-acetate molecular magnets anchored at surfaces. *NANO LETTERS*, 12, 1, AMER CHEMICAL SOC., 2012, ISSN:1530-6984, DOI:10.1021/nl204141z, 518-521. ISI IF:13.198

Цитира се в:

224. Gabarró-Riera, G., Aromí, G., Sañudo, E.C. "Magnetic molecules on surfaces: SMMs and beyond". *Coordination Chemistry Reviews*, 475, 214858, @2023 [Линк](#) 1.000
225. Hayakawa, R., Wakayama, Y. "Vertical molecular transistors: a new strategy towards practical quantum devices". *Nanotechnology*, 34(50), 502002, @2023 [Линк](#) 1.000
226. Li, C., Robles, R., Lorente, N., (...), Berndt, R., Gruber, M. "Large Orbital Moment of Two Coupled Spin-Half Co Ions in a Complex on Gold". *ACS Nano*, 17(11), pp. 10608-10616, @2023 [Линк](#) 1.000
227. Primera-Pedrozo, O.M., Tan, S., Zhang, D., (...), Glezakou, V.-A., Johnson, G.E. "Influence of surface and intermolecular interactions on the properties of supported polyoxometalates". *Nanoscale*, 15(12), , @2023 [Линк](#) 1.000
228. Ranecki, R., Lach, S., Lüpke, A., Rentschler, E., Ziegler, C. "Spin-Flip Inelastic Electron Tunneling Spectroscopy on a CuCu₄ Metallacrown Complex on Au(111)". *Journal of Physical Chemistry C*, 127(27), pp. 13186-13195, @2023 [Линк](#) 1.000
229. Wang, B., Yin, X., Wang, P., Shen, L. "Chemical looping ammonia synthesis at atmospheric pressure benefiting from synergistic effect of Mn- and Fe-based nitrogen carriers". *International Journal of Hydrogen Energy*, 48(7), pp. 2705-, @2023 [Линк](#) 1.000
114. Park, J, **Stoykova, E**, Hoonjong Kang, Sunghee Hong, Seunghyun Lee, Kwangmo Jung. Numerical reconstruction of full parallax holographic stereograms. *3D research*, 3, 6, Springer, 2012, SJR:0.495

Цитира се в:

230. Erdenebat, Munkh-Uchral, et al. "Comprehensive High-Quality Three-Dimensional Display System Based on a Simplified Light-Field Image Acquisition Method and a Full-Connected Deep Neural Network." *Sensors* 23.14 (2023): 6245., @2023 [Линк](#) 1.000
115. **Nedelchev, L, Nazarova, D**, Dragostinova, V, **Karashanova, D**. Increase of photoinduced birefringence in a new type of anisotropic nanocomposite: azopolymer doped with ZnO nanoparticles. *Optics Letters*, 37, 13, Optical Society of America (OSA), 2012, ISSN:0146-9592, DOI:https://doi.org/10.1364/OL.37.002676, 2676-2678. JCR-IF (Web of Science):3.292

Цитира се в:

231. R. J. Rodríguez-González, A. Ramos-Díaz de León, E. Hernández-Hernández, L. Larios-López, A. Yasser Ruiz-Martínez, I. Felix-Serrano, D. Navarro-Rodríguez. "Enhancement of the photoinduced birefringence and inverse relaxation of a liquid crystal azopolymer by doping with carbon nanostructures". *Journal of Photochemistry and Photobiology, A: Chemistry* 2023 (IF2021: 5.141, Q2), vol. 435, art. no. 114342 (9 pp). DOI: https://doi.org/10.1016/j.jphotochem.2022.114342, @2023 [Линк](#) 1.000
232. Stoilova, A, Manoylov, I, Ganova, P, Trifonova, Y. "Evaluating the Cytotoxicity of the Azo Polymer PAZO on ATCC TIB-208 Cell Lines". *World Congress on Recent Advances in Nanotechnology RAN 2023*, Code 297659 Paper No. ICNNFC 110 DOI: 10.11159/icnnfc23.110 Extended Abstract, @2023 [Линк](#) 1.000
116. Kancheva, V. D., Saso, L., **Angelova, S.**, Foti, M. C., Slavova-Kasakova, A., Daquino, C., Enchev, V., Firuzi, O., Nechev, J.. Antiradical and antioxidant activities of new bio-antioxidants. *Biochimie*, 94, 2, 2012, ISSN:03009084, DOI:10.1016/j.biochi.2011.08.008, 403-415. SJR (Scopus):1.302, JCR-IF (Web of Science):3.142 (x)

Цитира се в:

233. Banerjee, B., Kaur, M., Sharma, V., Gupta, V.K., Kaur, J., Sharma, A., Priya, A. and Singh, A., Camphor sulfonic acid catalyzed one-pot pseudo three-component synthesis of a series of 1, 8-dioxo-octahydroxanthenes and comparative crystal structures investigations and Hirshfeld surface analysis of five such derivatives. *Research on Chemical Intermediates*, Volume 49, pages 4639–4670, @2023 [Линк](#) 1.000
234. Negi, O., Srishti, K., Gusain, A. and Hota, P.K., 2023. Coumarin Based Hydrazone as an Antioxidant and Sensor for Cupric Ion: Spectroscopic and Computational Studies. *ChemistrySelect*, 8(48), p.e202303312., @2023 [Линк](#) 1.000

117. Rauschenbach, S, Rinke, G, **Malinowski, N**, Weitz, RT, Dinnebier, R, Thontasen, N, Deng, ZT. Crystalline Inverted Membranes Grown on Surfaces by Electro spray Ion Beam Deposition in Vacuum. *ADVANCED MATERIALS*, 24, 20, WILEY-V C H VERLAG GMBH, 2012, ISSN:0935-9648, DOI:10.1002/adma.201104790, 2761-2767. ISI IF:14.829
- Цитира се е:
235. Ghosh, J., Cooks, R.G. "Mass spectrometry in materials synthesis". *TrAC - Trends in Analytical Chemistry*, 161, 117, @2023 [Линк](#) 1.000
236. Seeholzer, T., Tarau, D., Hollendonner, L., (...), Giessibl, F.J., Weymouth, A.J. "A Next-Generation qPlus-Sensor-Based AFM Setup: Resolving Archaeal S-Layer Protein Structures in Air and Liquid". *Journal of Physical Chemistry B*, 127(31), pp. 6949-6957, @2023 [Линк](#) 1.000
118. Bodurov, I, Yovcheva, T, Vlaeva, I, Viraneva, A, **Todorov, R, Spassov, G**, Sainov, S. Diffraction efficiency increasing of nano-scale holographic recording in corona charge condition. *Journal of Physics: Conference Series*, 398, 2012, art.012053. SJR:0.217
- Цитира се е:
237. Nastas, A.M. , Iovu, M.S., Prisacar, A.M., Triduh, G.M., Prilepov, V.D., Tolstik, A.L., Stashkevich, I.V. Influence of the corona discharge on the formation of the diffractive holographic gratings in the As₄₀S₆₀-xSex films *Technical Physics*, Vol. 68, No. 5 651-655, 2023., @2023 [Линк](#) 1.000
238. Настас, А. М., Иову, М. С., Присакар, А. М., Тридух, Г. М., Прилепов, В. Д., Толстик, А. Л., & Сташкевич, И. В., Влияние поля коронного разряда на формирование голографических дифракционных решеток в пленках As₄₀S₆₀-xSex, 93(5), 696-701, 2023., @2023 [Линк](#) 1.000
119. Deng, Z, Thontasen, N, **Malinowski, N**, Rinke, G, Harnau, L, Rauschenbach, S, Kern, K. A Close Look at Proteins: Submolecular Resolution of Two- and Three-Dimensionally Folded Cytochrome c at Surfaces. *NANO LETTERS*, 12, 5, AMER CHEMICAL SOC, 2012, ISSN:1530-6984, DOI:10.1021/nl3005385, 2452-2458. ISI IF:13.025
- Цитира се е:
239. Dvorak, J., Novakova, J., Kraftova, L., (...), Novak, P., Pompach, P. "The rapid detection of procalcitonin in septic serum using immunoaffinity MALDI chips". *Clinical Proteomics*, 20(1), 20, @2023 [Линк](#) 1.000
240. Ghoderao, P., Sahare, S., Lee, S.-L., Sonar, P. "Envision and Appraisal of Biomolecules and Their Interactions through Scanning Probe Microscopy". *Small Structures*, 4(7), 2200273, @2023 [Линк](#) 1.000
241. Ghosh, J., Cooks, R.G. "Mass spectrometry in materials synthesis". *TrAC - Trends in Analytical Chemistry*, 161, 117010, @2023 [Линк](#) 1.000
242. Westphal, M.S., Lee, K.W., Salome, A.Z., Coon, J.J., Grant, T. "Mass spectrometers as cryoEM grid preparation instruments". *Current Opinion in Structural Biology*, 83, 102699, @2023 [Линк](#) 1.000
120. **Dikova, J, Todorov, R, Babeva, T**. Vacuum deposited GeSbSe thin films for photonic applications. *Journal of Physics: Conference Series*, 356, 2012, 012023. SJR (Scopus):0.22
- Цитира се е:
243. Zhu Ziyi, Chang Min, Mo Wanlin and Liu Xuejing. "Design of open-ring photonic crystal fiber chemical sensor." *Optical Instruments* 45(4), 80-87 2023, @2023 [Линк](#) 1.000
121. **Dikova, J, Vlaeva, I, Babeva, T, Yovcheva, T, Sainov, S**. Optical and holographic properties of nano-sized As₂S₃ films. *Optics and Lasers in Engineering*, 50, 2012, 838-843. ISI IF:2.237
- Цитира се е:
244. Настас, А.М., Иову, М.С., Присакар, А.М., Тридух, Г.М., Прилепов, В.Д., Толстик, А.Л. and Сташкевич, И.В., "Влияние поля коронного разряда на формирование голографических дифракционных решеток в пленках As₄₀S₆₀- xSex", *Журнал технической физики*, 2023, том 93, вып. 5., С. 696-701, @2023 [Линк](#) 1.000
122. Todorov, N. D., Abrashev, M.V., Russev, S.C., **Marinova, V.**, Nikolova, R.P., Shivachev, B.L.. Raman spectroscopy and lattice-dynamical calculations of Sc₃CrO₆ single crystals. *Phys. Rev. B*, 85, 2012, 214301. JCR-IF (Web of Science):3.575
- Цитира се е:
245. Varma, M., Krottenmüller, M., Poswal, H.K., Kuntscher, C.A. Pressure-Induced Structural Phase Transitions in the Chromium Spinel LiInCr₄O₈ with Breathing Pyrochlore Lattice (2023) *Crystals*, 13 (2), art. no. 170, DOI: 10.3390/ cryst13020170, @2023 [Линк](#) 1.000
123. Vlaeva, I, **Todorov, R**, Bodurov, I, Yovcheva, T, Sainov, S. Nano-Scale Holographic Grating's Diffraction Efficiency Increasing in Corona Charge Conditions. *Nanoscience and Nanotechnology*, 12, 2012, 113-116
- Цитира се е:
246. Nastas, A.M. , Iovu, M.S., Prisacar, A.M., Triduh, G.M., Prilepov, V.D., Tolstik, A.L., Stashkevich, I.V. Influence of the corona discharge on the formation of the diffractive holographic gratings in the As₄₀S₆₀-xSex films *Technical Physics*, Vol. 68, No. 5 651-655, 2023., @2023 [Линк](#) 1.000
247. Настас, А. М., Иову, М. С., Присакар, А. М., Тридух, Г. М., Прилепов, В. Д., Толстик, А. Л., & Сташкевич, И. В., Влияние поля коронного разряда на формирование голографических дифракционных решеток в пленках As₄₀S₆₀-xSex, 93(5), 696-701, 2023., @2023 [Линк](#) 1.000

124. **Dyankov, G.**, Zekriti, M., Bousmina, M. Dual-mode surface-plasmon sensor based on bimetallic film. APPLIED OPTICS, 51, 13, OPTICAL SOC AMER, 2012, ISSN:1559-128X, DOI:10.1364/AO.51.002451, 2451-2456. JCR-IF (Web of Science):1.775 (x)

Цитира се в:

248. Kumar, Prem, et al. "A highly sensitive surface plasmon resonance sensor based on black phosphorus in the visible regime." Optical and Quantum Electronics 55.12 (2023): 1101., @2023
249. Maheswari, P., et al. "High performance SPR biosensor using Cu-Pt bimetallic layers and 2D materials." Digest Journal of Nanomaterials & Biostructures (DJNB) 18.1 (2023)., @2023
125. Heinrichova, P, **Zhivkov, I.**, Mladenova, D, Vala, M, Weiter, M. The study of the influence of deposition method on electrical and optical properties of PPV polymer with high glass temperature. 1, 398, IOP Publishing Ltd, 2012, ISSN:17426588, DOI:10.1088/1742-6596/398/1/012057, 012057. SJR (Scopus):0.183, JCR-IF (Web of Science):0.478

Цитира се в:

250. Naik, I., Bhajantri, R.F., Bhat, V., Patil, B.S., Naik, V.S. "Switching the photo physics of MDMO-PPV under PMMA environment- a boon for organic electronics", Journal of Polymer Research 30(3), 133, @2023 [Линк](#)
126. Mladenova, D, **Zhivkov, I.**, Ouzzane, I, Budurova, D, Weiter, M. Thin polyphenylene vinylene electrophoretically and spin-coated films - Photoelectrical properties. Journal of Physics: Conference Series, 1, 398, IOP Publishing Ltd, 2012, ISSN:17426588, DOI:10.1088/1742-6596/398/1/012056, 012056. SJR (Scopus):0.183, JCR-IF (Web of Science):0.478

Цитира се в:

251. Naik, I., Bhajantri, R.F., Bhat, V., Patil, B.S., Naik, V.S. "Switching the photo physics of MDMO-PPV under PMMA environment- a boon for organic electronics", Journal of Polymer Research 30(3), 133 (2023), @2023 [Линк](#)
127. **Petrova, P. K.**, **Tomova, R. L.**, Stoycheva-Topalova, R. T., Kaloyanova, S. S., Deligeorgiev, T. G. Mixed-ligand Al complex - A new approach for more high efficient OLEDs. Journal of Luminescence, 132, 2, Elsevier, 2012, ISSN:0022-2313, DOI:doi:10.1016/j.jlumin.2011.09.031, 495-501. ISI IF:2.527

Цитира се в:

252. Lin, Y., Zhou, L., Fan, Y. et al. Research on interfacial change and regulation of organic light-emitting diodes under thermal stress. J Mater Sci (2023). <https://doi.org/10.1007/s10853-023-09196-7>, @2023 [Линк](#)

2013

128. Todorov, N. D., Abrashev, M. V., **Marinova, V.**, Kadiyski, M., Dimowa, L.. Raman spectroscopy and lattice dynamical calculations of Sc2O3 single crystals. Physical Review B, 87, 10, American Physical Society, 2013, ISSN:0163-1829, 104301. ISI IF:3.836

Цитира се в:

253. Anna Suzuki "Ultrashort pulse generation in 2- μm laser oscillators based on Tm-doped sesquioxides" Department of Engineering Science, Graduate School of Informatics and Engineering, The University of Electro-Communications, Doctor of Engineering (2023), @2023
254. Balabanov, S., Loiko, P., Basyrova, L., Permin, D., Kosyanov, D., Evstropov, T., Filofeev, S., Braud, A., Camy, P. Mid-infrared laser operation of (Er_{0.07}La_{0.10}Y_{0.83})₂O₃ sesquioxide ceramic (2023) Laser Physics Letters, 20 (4), art. no. 045801, DOI: 10.1088/1612-202X/acbce4, @2023 [Линк](#)
255. Bernauer, J., Trapp, M., Wiehl, L., Kleebe, H.-J., Ionescu, E. Room-Temperature Synthesis of a Compositionally Complex Rare-Earth Carbonate Hydroxide and its Conversion into a Bixbyite-Type High-Entropy Sesquioxide (2023) European Journal of Inorganic Chemistry, DOI: 10.1002/ejic.202300330, @2023 [Линк](#)
256. Liza Basyrova "Erbium doped materials for bulk and waveguide laser sources emitting around 2.8 μm " THÈSE Pour obtenir le diplôme de doctorat, Spécialité PHYSIQUE, Préparée au sein de l'Université de Caen Normandie (2023), @2023
257. Maksimov, R., Shitov, V., Osipov, V., Samatov, O., Vakalov, D., Malyavin, F., Basyrova, L., Loiko, P., Camy, P. Fabrication, microstructure and mid-infrared luminescence of Er:(Sc_xY_{1-x})₂O₃ transparent ceramics (2023) Optical Materials, 137, art. no. 113542, DOI: 10.1016/j.optmat.2023.113542, @2023 [Линк](#)
258. Maksimov, Roman N. and Toci, Guido and Pirri, Angela and Shitov, Vladislav A. and Sani, Elisa and Santonocito, Alberto and Patrizi, Barbara and Becucci, Maurizio and Vannini, Matteo and Osipov, Vladimir V., Structural, Spectroscopic and Laser Properties of Transparent Tm:Ysco3 Ceramic Based on Gas-Phase Synthesised Nanoparticles. Vol. 48, Issue 15, pp. 3901-3904 (2023), @2023 [Линк](#)
129. **Nazarova, D. I.**, **Nedelchev, L. L.**, **Sharlandjiev, P. S.**. Surface plasmon polariton characteristics and resonant coupling on thin Al, Ag and Au layers. Bulgarian Chemical Communications, 45, B, Bulgarian Academy of Sciences, Union of Chemists in Bulgaria, 2013, ISSN:0324-1130, 119-123. ISI IF:0.349

Цитира се в:

259. A. F. Asl, H. Heidarzadeh, H. Bahador. "Enhanced light absorption of organic solar cells based on stopped-trench metal grating". Optics Express (IF2021: 3.833, Q1), vol. 31, pp. 10554-10569 (2023). <https://doi.org/10.1364/OE.461126>, @2023 [Линк](#)

130. Nikov, RG, Nikolov, AS, Nedyalkov, NN, Atanasov, PA, Alexandrov, MT, **Karashanova, DB**. Processing condition influence on the characteristics of gold nanoparticles produced by pulsed laser ablation in liquids. APPLIED SURFACE SCIENCE, 274, ELSEVIER SCIENCE BV, 2013, ISSN:0169-4332, DOI:10.1016/j.apsusc.2013.02.118, 105-109. ISI IF:2.538
- Цитира се е:
260. Attallah, AH (Attallah, Ali H.) [1] ; Abdulwahid, FS (Abdulwahid, Farah Shamil) [1] ; Ali, YA (Ali, Yasir A.) [1] ; Haider, AJ. "Effect of Liquid and Laser Parameters on Fabrication of Nanoparticles via Pulsed Laser Ablation in Liquid with Their Applications: A Review". PLASMONICS 18 (4), 1307-1323, 2023 DOI10.1007/s11468-023-01852-7, @2023 [Линк](#) 1.000
131. **V Marinova**, R C Liu, S H Lin, M S Chen, Y Hsin Lin, K Y Hsu. Near-infrared properties of Rh-doped Bi₂TiO₂₀ crystals for photonic applications. Optics Letters, 38, 4, 2013, DOI:10.1364/OL.38.000495, 495-497. ISI IF:3.416
- Цитира се е:
261. Moura, A.L., Canabarro, A.A., Lima, E.D., Soares, W.C., Carvalho, J.F., de Araujo, M.T., dos Santos, P.V. 780 nm near-infrared photorefractive holograms recorded in undoped Bi₂TiO₂₀ crystal under the action of external electric field (2023) Optical Materials, 142, art. no. 114032, DOI: 10.1016/j.optmat.2023.114032, @2023 [Линк](#) 1.000
132. **R. Todorov, J. Tasseva, V. Lozanova, A. Lalova**, Tz. Iliev, A. Paneva. Ellipsometric Characterization of Thin Films from Multicomponent Chalcogenide Glasses for Application in Modern Optical Devices. ADVANCES IN CONDENSED MATTER PHYSICS, 2013, HINDAWI PUBLISHING CORPORATION, 2013, ISSN:1687-8108, DOI:10.1155/2013/308258, 308258-1-308258-11. SJR (Scopus):0.68, JCR-IF (Web of Science):1.013
- Цитира се е:
262. Dvořák, J., Vohánka, J., Buršíková, V., Franta, D., & Ohlídal, I., Optical Characterization of Inhomogeneous Thin Films Deposited onto Non-Absorbing Substrates, Coatings , 13(5), 873, 2023, @2023 [Линк](#) 1.000
133. Enchev, V., Monev, V., Markova, N., Rogozherov, M., **Angelova, S.**, Spassova, M.. A model system with intramolecular hydrogen bonding: Effect of external electric field on the tautomeric conversion and electronic structures. Computational and Theoretical Chemistry, 1006, 2013, DOI:10.1016/j.comptc.2012.11.021, 113-122. SJR (Scopus):0.475, JCR-IF (Web of Science):1.368 (x)
- Цитира се е:
263. Datar, A., Wright, C. and Matthews, D.A., Theoretical Investigation of the X-ray Stark Effect in Small Molecules. The Journal of Physical Chemistry A, 127(7), pp.1576-1587., @2023 [Линк](#) 1.000
264. Ren, F.D., Liu, Y.Z., Wang, X.L., Qiu, L.L., Meng, Z.H., Cheng, X. and Li, Y.X., Strong External Electric Fields Reduce Explosive Sensitivity: A Theoretical Investigation into the Reaction Selectivity in NH₂NO₂·NH₃. Molecules, 28(6), p.2586., @2023 [Линк](#) 1.000
134. Enchev, V., Markova, N., Stoyanova, M., Petrov, P., Rogozherov, M., Kuchukova, N., Timtcheva, I., Monev, V., **Angelova, S.**, Spassova, M.. Excited state proton transfer in 3, 6-bis (4, 5-dihydroxyoxazo-2-yl) benzene-1, 2-diol. Chemical Physics Letters, 563, Elsevier, 2013, ISSN:00092614, DOI:10.1016/j.cplett.2013.01.057, 43-49. SJR (Scopus):0.858, JCR-IF (Web of Science):1.991 (x)
- Цитира се е:
265. Demos, W., 2023. Sistemas supramoleculares baseados na interação entre o macrociclo pilar [5] areno piridínio com Mesalazina e Dodecil sulfato de sódio., @2023 1.000
135. **Nedelchev, L. L., Nazarova, D. I.**. Time stability of photoinduced birefringence in amorphous and liquid-crystalline azopolymers. Bulgarian Chemical Communications, 45, B, Bulgarian Academy of Sciences, Union of Chemists in Bulgaria, 2013, ISSN:0324-1130, 141-144. ISI IF:0.349
- Цитира се е:
266. R. J. Rodríguez-González, A. Ramos-Díaz de León, E. Hernández-Hernández, L. Larios-López, A. Yasser Ruiz-Martínez, I. Felix-Serrano, D. Navarro-Rodríguez. "Enhancement of the photoinduced birefringence and inverse relaxation of a liquid crystal azopolymer by doping with carbon nanostructures". Journal of Photochemistry and Photobiology, A: Chemistry 2023 (IF2021: 5.141, Q2), vol. 435, art. no. 114342 (9 pp). DOI: https://doi.org/10.1016/j.jphotochem.2022.114342, @2023 [Линк](#) 1.000
136. **Babeva, T, Lazarova, K, Vasileva, M**, Gospodinov, B, **Dikova, J**. Fabrication and characterization of high refractive index optical coatings by sol-gel method for photonic applications. Bulgarian Chemical Communications, 45, B, 2013, 28-32. ISI IF:0.349
- Цитира се е:
267. Basyooni, M.A., Gundogdu, Y., Kilic, H.S., Eker, Y.R. "Optical, Optoelectronic, and Third-Order Nonlinear Photonics of Ultrathin Molybdenum Oxide Film Deposited by Atomic Layer Deposition". Physica Status Solidi (A) Applications and Materials Science, 220, 2200689, 2023., @2023 [Линк](#) 1.000
137. **Dimitrov, Dimitre Z.**. Silver nanoparticles assisted etching of silicon. 2013, ISSN:0324-1130, 229-234. ISI IF:0.32
- Цитира се е:

268. S. Barua, S. Bandyopadhyay and S. Chatterjee, "Nano porous Structure formation on Multicrystalline Silicon Surface by using Chemical Etching method.", " 2023 IEEE Devices for Integrated Circuit (DevIC), Kalyani, India, 2023, pp. 400-403, doi: 10.1109/DevIC57758.2023.10134947., @2023 1.000
138. **Dimitrov, Dimitre Z.**, Chen-Hsun Du. Crystalline silicon solar cells with micro/nano texture. Applied Surface Science, 266, 2013, ISSN:0169-4332, DOI:10.1016/j.apsusc.2012.10.081, 1-4. JCR-IF (Web of Science):2.711
Цитупа се е:
269. Eslem Enis Atak, Elif Begum Elcioglu, Tuba Okutucu Ozyurt "Nanopatterned silicon photovoltaic cells optimized for narrow band selective reflectivity" pp. 315-322 Proceedings of the 10th International Symposium on Radiative Transfer, RAD-23 Thessaloniki, Greece, 12–16 June (2023), @2023 1.000
270. Gagik Ayyvazyan, Karen Ayyvazyan, Levon Hakhoyan, Xiaolong Liu "Properties of Black Silicon Layers Fabricated by Different Techniques for Solar Cell Applications" physica status solidi rapid research letters, 2300410 (2023), @2023 1.000
271. Imran Kanmaz & Abdullah Üzümlü "Influence of Low Molarity Hafnium Synthesis on the Reflection Properties of Polished and Textured Crystalline Silicon Substrates Coated with HfO₂ Thin Films" Silicon volume 15, pages1527–1533 (2023), @2023 1.000
272. Jonathan Sullivan, Arman Mirhashemi & Jaeho Lee "Deep learning-based inverse design of microstructured materials for optical optimization and thermal radiation control" Scientific Reports volume 13, Article number: 7382 (2023), @2023 1.000
273. Miao Xu, Zhihao Xu, Zongheng Sun, Wei Chen, Linqiang Wang, Yaoping Liu, Yan Wang, Xiaolong Du, and Shusheng Pan "Surface Engineering in SnO₂/Si for High-Performance Broadband Photodetectors" ACS Appl. Mater. Interfaces, 15, 2, 3664–3672 (2023), @2023 1.000
274. Patrick Aggrey "Nanoscale phase separation and transformations in the Silicon- Oxygen and related Systems" Doctoral Thesis, Skolkovo Institute of Science and Technology, Moscow (2023), @2023 1.000
275. Ryun Na Kim, Won Jin Kim, Dong Hyeok Seo, Sang Ouk Ryu, Woo-Byoung Kim "Optimization of Si photocathode formation conditions through correlation between saw damage removal and black Si" Solar Energy, Volume 262, 111787 (2023), @2023 1.000
276. Sullivan, Jonathan "Investigations of Micropyramid Design and Materials for Thermal Radiation Control" Dissertation, University of California, Irvine (2023), @2023 1.000
277. Yeon Hyang Sim, Jung-Hyun Hwang, Min Ju Yun, Kyoungho Lee, Dong Yoon Lee & Seung I. Cha "Lighting-environment-adjustable block-type 3D indoor PV for wireless sensor communication" Scientific Reports volume 13, Article number: 17846 (2023), @2023 1.000
139. **Marinova, V.** Tomov V, Chuang C I, Lin Y C, Lin H S, Chao Y F, Chou W C, Gospodinov M, Hsu K Y. γ-ray induced effects in Sm-doped strontium borate glasses. Bulgarian Chemical Communications, 45 B, 2013, 222-225. JCR-IF (Web of Science):0.349
Цитупа се е:
278. Zeb Ullah, S., Fawad, U., Rooh, G., Rehman, J., Shehzad, M., Ullah, K. "Investigation of gamma-rays induced defects in samarium doped BaF₂-Bi₂O₃-Li₂B₄O₇ Glasses" Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms, 542, pp. 26-33 (2023). DOI: 10.1016/j.nimb.2023.06.010, @2023 [Линк](#) 1.000
140. Siderov, V, Mladenova, D, Yordanov, R, Milenkov, V, Ohlidal, M, Salyk, O, **Zhivkov, I**, Weiter, M. Film thickness measurement by optical profilometer MicroProf® FRT. Bulgarian Chemical Communications, 45, Bulgarian Academy of Sciences, 2013, ISSN:08619808, 194-197. SJR (Scopus):0.169, JCR-IF (Web of Science):0.498
Цитупа се е:
279. Gleeson, L, "Advanced imaging techniques applied to the Knossos statuette inscription", Heritage Science 11(1), 154 (2023), @2023 [Линк](#) 1.000
280. Mandić, V., Kurajica, S., Panžić, I., (...), Gigli, L., Gaboardi, M. "Utilization of conventional PXRD apparatus for characterization of thin-films using reconsidered equations for XRR", Surfaces and Interfaces36, 102554 (2023), @2023 [Линк](#) 1.000
141. **Vesela Lozanova, Jordanka Tasseva, Rosen Todorov.** Grain size effect on the optical properties of thin silver films. Bulgarian Chemical Communications, 45, B, Bulgarian Academy of Sciences, Union of Chemists in Bulgaria, 2013, ISSN:0324-1130, 43-46. SJR:0.168, ISI IF:0.349
Цитупа се е:
281. Falih, A. S., Yaseen, W. I., & Al-Warshan, S. H. S. Coating Corn Seeds with Silver Using DC Magnetron Plasma to Protect Them from Biological Effects, IOP Conference Series: Earth and Environmental Science 1252, 012023, 2023, @2023 [Линк](#) 1.000
142. **R. Todorov, A. Lalova, J. Tasseva.** Thickness dependence of the optical properties of amorphous As – Ge – S thin films. Bulgarian Chemical Communications, 45, B, Bulgarian Academy of Sciences, Union of Chemists in Bulgaria, 2013, ISSN:0324-1130, 38-42. SJR:0.168, ISI IF:0.349
Цитупа се е:
282. Indutnyi, I., Mynko, V., Sopinsky, M., & Lytvyn, P. Plasmon-enhanced photostimulated diffusion in a thin-layer Ag–GeSe₂ structure, Journal of Non-Crystalline Solids 618, 122513, 2023, @2023 [Линк](#) 1.000

143. Shrestha, K., **Marinova, V.**, Lorenz, B., Chu, P. C. W., Shubnikov-de Haas oscillations from topological surface states of metallic Bi₂Se_{2.1}Te_{0.9}. Physical Review B, 90, 24, American Physical Society, 2014, ISSN:ISSN 1079-7114, 241111(R). ISI IF:3.836
- Цитира се в:
283. Thinh Nguyen "Fermi Surface Studies of the Dirac Type-II Semimetal Candidates (Ni, Zr)Te₂ Using High Field Torque Magnetometry" MS 1.000 Thesis, West Texas A&M University, Canyon, Texas (2023), @2023 [Линк](#)
144. **Kitova, S., Stoyanova, D., Dikova, J.,** Kandinska, M., Vasilev, A., **Angelova, S.** Optical modeling of bulk-heterojunction organic solar cells based on squaraine dye as electron donor. Journal of Physics: Conference Series, 558, IOPScience, 2014, 012052. SJR (Scopus):0.264
- Цитира се в:
284. Salma, S.A., Conjugated Polymer Electrolyte for High-Performance Polymer Solar Cells (Doctoral dissertation, Pukyong National University), @2023 [Линк](#) 1.000
145. **Lozanova, V, Lalova, A,** Soserov, L., **Todorov, R.** Optical and electrical properties of very thin chromium films for optoelectronic devices. 514, Journal of Physics: Conference series, 2014, ISSN:1742-6588, DOI:http://dx.doi.org/10.1088/1742-6596/514/1/012003, 012003. SJR (Scopus):0.217
- Цитира се в:
285. Asmida Herawati, Exploring Optical Constants Materials Using Home-Made Spectroscopic Ellipsometer, Iktan Penerbit Indonesia, ISBN: 978-623-427-213-0, 2023, @2023 [Линк](#) 1.000
286. Asmida Herawati, Exploring Optical Interferences and Ellipsometry, Iktan Penerbit Indonesia, ISBN 978-623-427-214-7, 2023, @2023 [Линк](#) 1.000
287. Asmida Herawati, Penerbit Sahabat Alam Rafflesia, Dielectric Function Model for Data Analysis of Thin Film Materials Using Spectroscopic Ellipsometer, Iktan Penerbit Indonesia, ISBN 978-623-427-219-2, 2023, @2023 [Линк](#) 1.000
288. Belosludtsev, A., Sytychkova, A., Baltrusaitis, K., Vaicikauskas, V., Jasulaitiene, V. and Gric, T., "Growth of Magnetron-Sputtered Ultrathin Chromium Films: In Situ Monitoring and Ex Situ Film Properties" Coatings 13, no. 2: 347 2023, @2023 [Линк](#) 1.000
289. Saritas, S. Temperature-dependent gas sensor application of chromium oxide structure. Journal of Materials Science: Materials in Electronics, 34, 679, 2023, @2023 [Линк](#) 1.000
290. Zhang, H., Yi, Y., Wang, Y., Hou, H., Meng, T., Zhang, P. and Zhao, Y., Pixelated Micropolarizer Array Based on Carbon Nanotube Films, Nanomaterials, 13, 391, 2023, @2023 [Линк](#) 1.000
146. **Georgiev, A, Dimov, D,** Spassova, E, **Assa, J,** Danev, G. Investigation of Solid State Imidization Reactions of the Vapour Deposited Azo-Polyimide Thin Films by FTIR spectroscopy. Journal of Molecular Structure, 1074, Elsevier, 2014, DOI:10.1016/j.molstruc.2014.05.070, 100-106. JCR-IF (Web of Science):2.011
- Цитира се в:
291. Ji, M., Min, D., Li, Y., (...), Liu, W., Li, S. "Improved energy storage performance of polyimide nanocomposites by constructing the meso- and macroscopic interfaces". Materials Today Energy. 31, 101200, 2023, @2023 [Линк](#) 1.000
147. **Stoykova, E.,** Kang, H., Park, J.. Twin-image problem in digital holography-a survey (Invited Paper). Chin. Opt. Lett., 12, 060013, 2014, ISSN:1671-7694, JCR-IF (Web of Science):0.968
- Цитира се в:
292. Liu, Y., Chen, H., Sun, Q., & Jiang, Z. (2023). Zero-order-removal off-axis digital holographic reconstruction using different beam-ratio holographic recordings. Optical Engineering, 62(1), 013101-013101., @2023 [Линк](#) 1.000
293. Ovchinnikov, A. S., Krasnov, V. V., Cheremkhin, P. A., Rodin, V. G., Savchenkova, E. A., Starikov, R. S., & Evtikhiev, N. N. (2023). What Binarization Method Is the Best for Amplitude Inline Fresnel Holograms Synthesized for Divergent Beams Using the Direct Search with Random Trajectory Technique?. Journal of Imaging, 9(2), 28., @2023 1.000
294. Rosen, Joseph. "Advanced Imaging Methods Using Coded Aperture Digital Holography." Engineering Proceedings 34.1 (2023): 2., @2023 [Линк](#) 1.000
295. Sun, J., & Czarske, J. W. (2023). Compressive holographic sensing simplifies quantitative phase imaging. Light: Science & Applications, 12(1), 121., @2023 [Линк](#) 1.000
296. Svistunov, A. S., Rymov, D. A., Starikov, R. S., & Cheremkhin, P. A. (2023). HoloForkNet: Digital Hologram Reconstruction via Multibranch Neural Network. Applied Sciences, 13(10), 6125., @2023 [Линк](#) 1.000
297. Valentino, M., Sirico, D. G., Memmolo, P., Miccio, L., Bianco, V., & Ferraro, P. (2023). Digital holographic approaches to the detection and characterization of microplastics in water environments. Applied Optics, 62(10), D104-D118., @2023 [Линк](#) 1.000
298. Zhang, Y., Song, X., & Qiu, P. (2023). Autofocusing in off-axis digital Fresnel holography using S-th power weighted neighborhood correlation coefficient. Japanese Journal of Applied Physics, 62(12), 122004., @2023 [Линк](#) 1.000
148. Virovska, D, Paneva, D, Manolova, N, Rashkov, I, **Karashanova, D.** Electrospinning/electrospraying vs. electrospinning: A comparative study on the design of poly(L-lactide)/zinc oxide non-woven textile. APPLIED SURFACE SCIENCE, 311, ELSEVIER SCIENCE BV, 2014, ISSN:0169-4332, DOI:10.1016/j.apsusc.2014.05.192, 842-850. ISI IF:2.711

Цитира се е:

299. Hazarika, D, Chakraborty, G, Kumar, A, Katiyar, V. "Role of silk nanocrystal (SNC)-ZnO as an antibacterial nucleating nanohybrid for a patterned mimic poly(lactic acid) based nanofabric". INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 242, Part 3, Article number 125126, 2023 DOI10.1016/j.ijbiomac.2023.125126, @2023 [Линк](#) 1.000
300. Ray, S, Banerjee, R. "Sustainable Polylactide-Based Composites". Pages 1 - 376, 2023 ISBN 978-032399640-2, 978-032399641-9 DOI 10.1016/C2021-0-02352-X, @2023 [Линк](#) 1.000

149. Černošková E, **Todorov R**, Holubová J, Černošek Z. Thermoanalytical properties and Raman scattering of amorphous Sb₂Se₃ thin film. Journal of Thermal Analysis and Calorimetry, 118, 2014, 105-110. SJR (Scopus):0.603, JCR-IF (Web of Science):2.042

Цитира се е:

301. 45. John R. Erickson, Investigation into the Design and Operation of Foundry Compatible Electrically Driven Waveguide-Integrated Microheaters for Phase Change Photonics, PhD Thesis, University of Pittsburgh 2023., @2023 [Линк](#) 1.000
302. Aryana K., Kim H.J., Popescu C.-C., Vitale S., Bae H.B., Lee T., Gu T., Hu J., Toward Accurate Thermal Modeling of Phase Change Material-Based Photonic Devices. Small 19(50), 2304145, 2023, @2023 [Линк](#) 1.000
303. Aryana, K., Kim, H.J., Popescu, C.C., Vitale, S., Bae, H.B., Lee, T., Gu, T. and Hu, J., Toward accurate thermal modeling of phase change material based photonic devices, arXiv:2305.14145 [physics.optics], 2023., @2023 [Линк](#) 1.000
304. Chen, R., Fang, Z., Perez, C., Miller, F., Kumari, K., Saxena, A., Zheng, J., Geiger, S.J., Goodson, K.E. and Majumdar, A., Non-volatile electrically programmable integrated photonics with a 5-bit operation. Nature Communications, 14, 3465, 2023, @2023 [Линк](#) 1.000
305. Rui Chen, Zhuoran Fang, Christopher Perez, Forrest Miller, Khushboo Kumari, Abhi Saxena, Jiayu Zheng, Sarah J. Geiger, Kenneth E. Goodson, Arka Majumdar, Non-volatile electrically programmable integrated photonics with a 5-bit operation, arXiv:2301.00468 [physics.optics], 2023., @2023 [Линк](#) 1.000
306. Vaselabadi, S.A., Palmer, K., Smith, W.H. and Wolden, C.A., Scalable Synthesis of Selenide Solid-State Electrolytes for Sodium-Ion Batteries, Inorganic Chemistry 62 (42) 17102–17114, 2023., @2023 [Линк](#) 1.000
150. Zhelyazkova, K., Petrov, M., Katranchev, B., **Dyankov, G.** "Surface Plasmon Resonance on the Surface: Metal - Liquid Crystal Layer.". Journal of Physics: Conference Series 558(1),012023, "Surface Plasmon Res, IOP, 2014, SJR (Scopus):0.21

Цитира се е:

307. Hybrid Plasmonics for Energy Harvesting and Sensing of Radiation and Heat, @2023 [Линк](#) 1.000
151. **Todorov R**, Petkov K, Kincl M, Cernokova E, Vlcek Mil, Tichy L. Synthesis, structure and optical properties of thin films from GeS₂ - In₂S₃ system deposited by thermal co-evaporation. Thin Solid Films, 558, 2014, DOI:10.1016/j.tsf.2014.02.059, 298-305. SJR (Scopus):0.725, JCR-IF (Web of Science):1.759

Цитира се е:

308. Ganesh, V., AlAbdulaal, T.H. and Yahia, I.S., Photo sensing properties of yttrium doped In₂S₃ thin film fabricated by low prize nebulizer spray pyrolysis technique, Physica B: Condensed Matter, 661 414895, 2023, @2023 [Линк](#) 1.000
309. Ganesh, V., AlAbdulaal, T.H. Role of Mo-doping concentration on In₂S₃ thin film for photodetecting application by nebulizer spray pyrolysis method. Applied Physics A 129, 427, 2023, @2023 [Линк](#) 1.000
152. Ivanov, V. G., Hadjiev, V. G., Litvinchuk, A. P., **Dimitrov, D. Z.**, Shivachev, B. L., Abrashev, M. V., Lorenz, B, Iliev, M.N.. Lattice Dynamics and Spin-Phonon Coupling in CaMn₂O₄: A Raman Study. Physical Review B, 89, 2014, 184307-1-184307-8. ISI IF:3.664

Цитира се е:

310. Papireddy Tiyyagura, Nagarjuna Rao Mamidipalli and K. Suresh Babu "Multiple Dielectric Relaxations in CaMn₂O₄ Polycrystalline Compound" ECS J. Solid State Sci. Technol. 12 023007 (2023), @2023 1.000
153. Cody, D, Mihaylova, E, O'Neill, L., **Babeva, T**, Awala, H, Retoux, R, Mintova, S, Naydenova, I. Effect of zeolite nanoparticles on the optical properties of diacetone acrylamide-based photopolymer. Optical materials, 37, 2014, 181-187. JCR-IF (Web of Science):1.981

Цитира се е:

311. Gao, Y., Morlet-Savary, F., Réty, B., Salomon, J.P., Lalevée, J. and Simon-Masseron, A., "Optimization of a Polymer/Zeolite-Based Composite Formulation Prepared via Photopolymerization under Near-UV/Visible Light". ACS Applied Engineering Materials, 1, 12, 3323–3337, 2023, @2023 [Линк](#) 1.000
312. Gao, Y., Zhang, Y., Lalevée, J. and Simon-Masseron, A., "Nanoscale Features of Zeolite Fillers Enhance the Depth of Cure, Optical Properties, and Mechanical Properties of 3D-Printed Polymer Composite Structures". ACS Appl. Nano Mater. 6, 12, 10156–10167, 2023, @2023 [Линк](#) 1.000
313. Nazarova, D., Nedelchev, L., Berberova-Buhova, N. and Mateev, G., "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". Nanomaterials, 13(22), 2946, 2023, @2023 1.000
154. **Lazarova, K.**, Awala, H, Thomas, S, **Vasileva, M**, Mintova, S, **Babeva, T**. Vapor responsive one-dimensional photonic crystals from zeolite nanoparticles and metal oxide films for optical sensing. Sensors, 14, 2014, 12207-12218. JCR-IF (Web of Science):2.264

Цитира се в:

314. Gao, L., Kou, D., Ma, W., Zhang, S. "Biomimetic Metal–Organic Framework-Based Photonic Crystal Sensor for Highly Sensitive Visual Detection and Effective Discrimination of Benzene Vapor". ACS Appl. Mater. Interfaces, 15, 25, 30606–30618, 2023., @2023 [Линк](#) 1.000
155. Lazarova, K, Vasileva, M, Marinov, G, Babeva, T. Optical characterization of sol-gel derived Nb2O5 thin films. Optics & Laser Technology, 58, 2014, 114-118. JCR-IF (Web of Science):1.647

Цитира се в:

315. Aslan Çakır, M. Investigations of the Wettability and Electrochemical Corrosion Behavior of Nb2O5 Thin Films on a Ti45Nb Alloy. J. of Mater. Eng and Perform 32, 9198–9205 (2023). <https://doi.org/10.1007/s11665-023-08655-1>, @2023 [Линк](#) 1.000
316. Pang, R., Wang, Z., Li, J., Chen, K. "Polymorphs of Nb2O5 Compound and Their Electrical Energy Storage Applications". Materials, 16, 6956, 2023. <https://doi.org/10.3390/ma16216956>, @2023 [Линк](#) 1.000
317. Salim, E., Saimon, J., Abood, M., Alsultany, F. "A Preliminary Study on Structural and Optical Properties of Heat Treated Nb2O5 Nanostructure". International Journal of Nanoelectronics and Materials, 16, 1, 21 - 32, 2023., @2023 [Линк](#) 1.000
156. Dimova-Malinovska, D, Lovchinov, K, Petrov, M, Karashanova, D, Angelov, O. Structural, optical and electrical properties of multilayer stacks ZnO:Al/Ag/ZnO:Al and ZrO2/Ag/ZrO2. Energy Procedia, 60, Elsevier, 2014, ISSN:1876-6102, DOI:10.1016/j.egypro.2014.12.356, 143-147. SJR (Scopus):0.417

Цитира се в:

318. Wang, J, Yang, P. "Building an Efficient Optoelectronic Property at the AZO/Cu/AZO Heterogeneous Interface with Copper Intercalation". CRYSTAL GROWTH & DESIGN, 23 (10), 7403-7411, 2023 DOI10.1021/acs.cgd.3c00797, @2023 [Линк](#) 1.000
157. Vitova V, Mangold S, Paulmann C, Gospodinov M, Marinova, V, Mihailova B. "X-ray absorption spectroscopy of Ru-doped relaxor ferroelectrics with a perovskite-type structure " Physical Reviews B, 89, 144112 (2014). Physical Reviews B, 89, 2014, DOI:10.1103/PhysRevB.89.144112, 144112. JCR-IF (Web of Science):3.836

Цитира се в:

319. Mikhail V. Gorbunov "Compositional and Structural Aspects of Li-rich Anti-perovskites as Li-ion Battery Cathodes" Dissertation, Technische Universität Dresden, Dresden (2023), @2023 [Линк](#) 1.000
320. Olesia Voloshyna, Mikhail V. Gorbunov, Daria Mikhailova, Andrey Maljuk, Silvia Seiro and Bernd Büchner "Flux Growth and Characterization of Bulk InVO4 Crystals" Crystals, 13(10), 1439 (2023), @2023 [Линк](#) 1.000

2015

158. Kim, Y, Stoykova, E, Kang, H, Hong, S, Park, J, Park, J, Hong, S. Seamless full color holographic printing method based on spatial partitioning of SLM. Optics Express, 23, 2015, ISSN:1094-4087, 172-182. ISI IF:3.49

Цитира се в:

321. Liu, Xin, et al. "Dynamic holographic stereogram using temporal and perspective coherence." Optics and Lasers in Engineering 169 (2023): 107733., @2023 [Линк](#) 1.000
322. Rani, M., Kaur, N., Joshi, N., Bhanot, P., Das, B., & Kumar, R. (2023, May). Performance evaluation of different optical schemes for realization of holographic printers. In Holography: Advances and Modern Trends VIII (Vol. 12574, pp. 188-198). SPIE., @2023 [Линк](#) 1.000
159. Lalova, A, Todorov, R. Optical properties of thin PMMA films for sensor application. Bulgarian Chemical Communication, 47, Special Issue B, 2015, ISSN:0324-1130, 29-34. SJR:0.156, ISI IF:0.349

Цитира се в:

323. Farac, N.F., Tetreault, A.R., Bender, T.P. Cs-Symmetric, Peripherally Fluorinated Boron Subphthalocyanine–Subnaphthalocyanine Hybrids: Shedding New Light on Their Fundamental Photophysical Properties and Their Functionality as Optoelectronic Materials, J. Phys. Chem. C 127(1), 702-727, 2023, @2023 [Линк](#) 1.000
324. Fratto BE, Culver EL, Davis G, Deans R, Goods JB, Hwang S, Keller N.K., Lawrence J.A., Petty A.R., Swager T.M., Walsh J.J., Zhu Zh., Cox J.R., Leveraging a smartphone to perform time-gated luminescence measurements. PLoS ONE 18(10) e0293740, 2023, @2023 [Линк](#) 1.000
160. Slavova-Kazakova, A, Angelova, S, Veprintsev, T., Denev, P., Fabbri, D., Dettori, M. A., Kratchanova M., Naumov, V., Trofimov, A., Vasil'ev, R., Delogu, G., Kancheva, V.. Antioxidant potential of curcumin-related compounds studied by chemiluminescence kinetics, chain-breaking efficiencies, scavenging activity (ORAC) and DFT calculations. Beilstein Journal of Organic Chemistry, 11, Beilstein-Institut, 2015, ISSN:18605397, DOI:10.3762/bjoc.11.151, 1398-1411. SJR (Scopus):1.045, JCR-IF (Web of Science):2.697 (x)

Цитира се в:

325. Nasir, N.M., Alsalam, T.A., El-Arabey, A.A. and Abdalla, M., 2023. Anticancer, antioxidant activities and molecular docking study of thiazolidine-4-one and thiadiazol derivatives. Journal of Biomolecular Structure and Dynamics, 41(9), pp.3976-3992., @2023 [Линк](#) 1.000

326. Shen, R., Zhao, W., Li, X., Liu, J., Yang, A. and Kou, X., 2023. Emodin derivatives as promising multi-aspect intervention agents for amyloid aggregation: molecular docking/dynamics simulation, bioactivities evaluation, and cytoprotection. *Molecular Diversity*, pp.1-15., @2023 [Линк](#) 1.000
161. **Lozanova, V, Todorov, R.** Microstructure and Optical Properties of Thermally Evaporated Very Thin Silver Films. *Bulgarian Chemical Communication*, 47, B, 2015, ISSN:0324-1130, 55-59. SJR:0.156, ISI IF:0.349
Цитира се е:
327. Falih, A.S., Yaseen, W.I. and Al-Warshan, S.H.S., Coating Corn Seeds with Silver Using DC Magnetron Plasma to Protect Them from Biological Effects. *IOP Conference Series: Earth and Environmental Science* 1252 012023 2023., @2023 [Линк](#) 1.000
162. **Nedelchev, L, Nazarova, D, Mateev, G, Berberova, N.** Birefringence induced in azopolymer (PAZO) films with different thickness. *Proc. of SPIE*, 9447, Bellingham, Wash. : SPIE, 2004, 2015, ISSN:0277-786X, DOI:10.1117/12.2176158, 944711-1-944711-7. SJR:0.212
Цитира се е:
328. C.N.H. Minh, S. Petrov, V. Marinova, S.-H. Lin. "Geometric phase device writing on a nematic LC cell by using polarization holography". *Proc. SPIE (SJR2022: 0.17)*, Vol. 12682, *Photonic Fiber and Crystal Devices: Advances in Materials and Innovations in Device Applications XVII*, art. no. 126820F (5 October 2023). <https://doi.org/10.1117/12.2677939>, @2023 [Линк](#) 1.000
329. S. Petrov, N. H. M. Chau, V. Marinova, C. C. Sun, K. Y. Hsu, S. H. Lin. "Controllable LC anchoring on poly{1-[4-(3-carboxy-4-hydroxyphenylazo) benzenesulfonamido]-1, 2-ethanediyl, sodium salt} command surface". *Polymer (IF2021: 4.432, Q1)*, 2023, art.no. 125841, ISSN 0032-3861, <https://doi.org/10.1016/j.polymer.2023.125841>., @2023 [Линк](#) 1.000
163. Kalinov, K N, Ignatova, M G, Manolova, N E, Markova, N D, **Karashanova, D B**, Rashkov, I B. Novel antibacterial electrospun materials based on polyelectrolyte complexes of a quaternized chitosan derivative. *RSC Advances*, 5, 67, Royal Society of Chemistry publishing, 2015, ISSN:20462069, DOI:10.1039/c5ra08484a, 54517-54526. JCR-IF (Web of Science):3.84
Цитира се е:
330. Marin, L, Andreica, BI, Anisie, A, Cibotaru, S, Bardosova, M, Materon, EM, Oliveira, ON. "Quaternized chitosan (nano)fibers: A journey from preparation to high performance applications". *INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES*, 242, Part3, Article Number 125136, 2023 DOI10.1016/j.ijbiomac.2023.125136, @2023 [Линк](#) 1.000
164. **Georgiev, R, Georgieva, B, Vasileva, M, Ivanov, P, Babeva, T.** Optical Properties of Sol-Gel Nb2O5 Films with Tunable Porosity for Sensing Applications. *Advances in Condensed Matter Physics*, 2015, Article ID 403196, Hindawi Publishing Corporation, 2015, ISSN:1687-8108, DOI:10.1155/4042, JCR-IF (Web of Science):0.932
Цитира се е:
331. Tkalčević, M., Periša, I., Marušić, K., Salamon, K., Bubaš, M., Bernstorff, S. and Mičetić, M., "Optical, electrical and acetone sensing properties of a 3D mesh of Ge quantum wires and nanopores in Al2O3 matrix doped with Nb and Ta@". *Sensors and Actuators A: Physical*, 363, p.114745, 2023, @2023 [Линк](#) 1.000
165. Kang, H, **Stoykova, E**, Kim, Y M, Hong, S H, Park, J S, Hong, J S. Color wavefront printer with mosaic delivery of primary colors. *Optics Communications*, 350, 2015, ISSN:0030-4018, 47-55. JCR-IF (Web of Science):1.449
Цитира се е:
332. Rabosh, E. V., Balbekin, N. S., & Petrov, N. V. (2023). Analog-to-digital conversion of information archived in display holograms: I. discussion. *JOSA A*, 40(4), B47-B56., @2023 [Линк](#) 1.000

2016

166. Balli, Mohamed, Jandl, Serge, Fournier, P., **Dimitrov, D. Z.** Giant rotating magnetocaloric effect at low magnetic fields in multiferroic TbMn2O5 single crystals. *Applied Physics Letters*, 108, 2016, 102401. JCR-IF (Web of Science):3.302
Цитира се е:
333. Bharati Bamana; Aletta Prinsloo; Pankaj Mohanty; Charles Sheppard "Magnetic phase transitions and magnetocaloric effect in DyCrTiO5 nanoparticles" *AIP Advances* 13 (2), 025049 (2023), @2023 1.000
334. Carlos Romero-Muñiz, Jia Yan Law, Jorge Revuelta-Losada, Luis M. Moreno-Ramírez, Victorino Franco "Magnetocaloric materials for hydrogen liquefaction" *The Innovation Materials* 1(3), 100045 (2023), @2023 1.000
335. Fei Gao, Weijun Ren, Hengheng Wu, Meng An, Xinguo Zhao, Bing Li, Zhidong Zhang "Magnetic properties and magnetocaloric effect of a metallic triangular lattice antiferromagnetic DyAl2Ge2 single crystal" *Journal of Solid State Chemistry*, Volume 328, 124347 (2023), @2023 1.000
336. J.H. Bae, K.K. Cho, J.W. Lee, S.H. Han, B.K. Cho "Magnetic entropy changes for the rotating magnetocaloric effect in RB4 (R = Gd, Tb, Dy, Ho, Er, and Tm)" *Journal of Magnetism and Magnetic Materials*, Volume 576, 170767 (2023), @2023 1.000
337. Jianli Bai, Qingxin Dong, Libo Zhang, Qiaoyu Liu, Jingwen Cheng, Pinyu Liu, Cundong Li, Yingrui Sun, Yu Huang, Zhian Ren and Genfu Chen "Highly anisotropic magnetism and nearly isotropic magnetocaloric effect in Mn3Sn2 single crystals" *Chinese Physics Letters*, Vol. 40, Issue (12): 127501 (2023), @2023 1.000

338. Qingwei Wang, Qiong Wu, Huaifu Cheng, Xiang Li, Nengjun Yu, Minxiang Pan, Yundan Yu, Jieyang Fang, Xiukun Hu, Hongliang Ge, Hangfu Yang "Review of the research on oxides in low-temperature magnetic refrigeration" Journal of the European Ceramic Society, Volume 43, Issue 15, Pages 6665-6680 (2023), @2023 1.000
339. Sékou-Oumar Kaba, Benjamin Groleau-Paré, Marc-Antoine Gauthier, A.-M. S. Tremblay, Simon Verret, and Choé Gauvin-Ndiaye "Prediction of large magnetic moment materials with graph neural networks and random forests" Phys. Rev. Materials 7 (4), 044407 (2023), @2023 1.000
167. **Marinova, Vera**, Shuan Huei Lin, Ken Yuh Hsu. Electro-optically and all optically addressed spatial light modulator devices based on organic-inorganic hybrid structures. Procc. SPIE, 10022, SPIE, 2016, DOI:doi:10.1117/12.2246431, 100220V-1-100220V-8. JCR-IF (Web of Science):0.2
Цитира се е:
340. Nazarova, D., Nedelchev, L., Berberova-Buhova, N., Mateev, G. Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics (2023) Nanomaterials, 13 (22), art. no. 2946, DOI: 10.3390/nano13222946, @2023 [Линк](#) 1.000
168. Caputo, M, Panighel, M, Lisi, S, Khalil, L, Di Santo, G, Papalazarou, E, Hruban, A, Konczykowski, M, Krusin-Elbaum, L, Aliev, Z, Babanly, M, Otrokov, M, Politano, A, Chulkov, E, **Marinova, V**, Arnau, A, Das, P. K., Fujii, J, Vobornik, I, Perfetti, L, Mugarza, A, Goldoni, A, Marsi, M. Manipulating the Topological Interface by Molecular Adsorbates: Adsorption of Co-Phthalocyanine on Bi2Se3. Nano Letters, 16, 6, 2016, 3409-3414. ISI IF:13.779
Цитира се е:
341. Aliyev, F.R., Orujlu, E.N., Babanly, D.M., Mustafayeva, A.L. Phase Relations in the Sb2Te2S-Bi2Te2S System and Characterization of Sb2-xBixTe2S Solid Solutions Chemical Problems, 21 (2), pp. 132-139 (2023). DOI: 10.32737/2221-8688-2023-2-132-139, @2023 [Линк](#) 1.000
342. Aliyev, F.R., Orujlu, E.N., Dashdiyeva, G.B., Mustafayeva, A.L., Babanly, D.M. An Update Phase Diagram of the Sb2Te3-Sb2S3 System (2023) New Materials, Compounds and Applications, 7 (2), pp. 76-83., @2023 [Линк](#) 1.000
343. Moue, R., Yamazaki, H., Kitazawa, T., Yaji, K., Yaguchi, H., Kuroda, K., Kondo, T., Harasawa, A., Iwahashi, T., Ouchi, Y., Shin, S., Kanai, K. Topological Surface State of Bi2Se3 Modified by Physisorption of n-Alkane (2023) ChemNanoMat, 9 (3), art. no. e202200538, DOI: 10.1002/cnma.202200538, @2023 [Линк](#) 1.000
344. Moue, R., Yamazaki, H., Kitazawa, T., Yaji, K., Yaguchi, H., Kuroda, K., Kondo, T., Harasawa, A., Iwahashi, T., Ouchi, Y., Shin, S., Kanai, K. Topological Surface State of Bi2Se3 Modified by Physisorption of n-Alkane (2023) ChemNanoMat, 9 (3), art. no. e202200538, DOI: 10.1002/cnma.202200538, @2023 [Линк](#) 1.000
169. Blagoev B.S., **D.Z. Dimitrov**, V.B. Mehandzhiev, J. I. Pavlic, D. Kovacheva, P. Terziyska, **K. Lovchinov**, E. Mateev. Electron transport in lightly Al doped ZnO nanolayers obtained by atomic layer deposition. Journal of Physics: Conference series, 700, Institute of Physics (Great Britain), IOP Publishing, 2016, ISSN:1742-6596, 012040. SJR (Scopus):0.211
Цитира се е:
345. Papireddy Tiyyagura, Nagarjuna Rao Mamidipalli and K. Suresh Babu "Multiple Dielectric Relaxations in CaMn2O4 Polycrystalline Compound" ECS J. Solid State Sci. Technol. 12 023007 (2023), @2023 1.000
170. Virovska, D, Paneva, D, Manolova, N, Rashkov, I, **Karashanova, D**. Photocatalytic self-cleaning poly(L-lactide) materials based on a hybrid between nanosized zinc oxide and expanded graphite or fullerene. Materials Science and Engineering C, 60, 2016, ISSN:0928-4931, DOI:10.1016/j.msec.2015.11.029, 184-194. SJR (Scopus):0.961, JCR-IF (Web of Science):3.088
Цитира се е:
346. Ray, S, Banerjee, R. "Sustainable Polylactide-Based Composites". Pages 1 - 376, 2023 ISBN 978-032399640-2, 978-032399641-9 DOI 10.1016/C2021-0-02352-X, @2023 [Линк](#) 1.000
171. Nikolova, V., **Angelova, S**, **Markova, N**., Dudev, T.. Gallium as a Therapeutic Agent: A Thermodynamic Evaluation of the Competition between Ga3+ and Fe3+ Ions in Metalloproteins. Journal of Physical Chemistry B, 120, 9, ACS Publications, 2016, ISSN:15205207, 15206106, DOI:10.1021/acs.jpbc.6b01135, 2241-2248. SJR (Scopus):1.345, JCR-IF (Web of Science):3.177 (x)
Цитира се е:
347. Hills, O.J., Poskrobko, Z., Scott, A.J., Smith, J. and Chappell, H.F., A DFT study of the gallium ion-binding capacity of mature Pseudomonas aeruginosa biofilm extracellular polysaccharide. Plos one, 18(6), p.e0287191., @2023 [Линк](#) 1.000
348. Murphy, B., Martins, C., Maggio, M., Morris, M.A. and Hoey, D.A., Nano sized gallium oxide surface features for enhanced antimicrobial and osteo-integrative responses. Colloids and Surfaces B: Biointerfaces, 227, p.113378, @2023 [Линк](#) 1.000
349. Rodríguez-Contreras, A., Torres, D., Piñera-Avellaneda, D., Pérez-Palou, L., Ortiz-Hernández, M., Ginebra, M.P., Calero, J.A., Manero, J.M. and Rupérez, E. Dual-Action Effect of Gallium and Silver Providing Osseointegration and Antibacterial Properties to Calcium Titanate Coatings on Porous Titanium Implants. International Journal of Molecular Sciences, 24(10), p.8762., @2023 [Линк](#) 1.000
350. Xu, H., Lu, J., Xi, Y., Wang, X. and Liu, J., 2023. Liquid metal biomaterials: translational medicines, challenges and perspectives. National Science Review, p.nwad302., @2023 [Линк](#) 1.000
351. Ye, F.Y., Hu, M. and Zheng, Y.S., Advances and challenges of metal ions sensors based on AIE effect. Coordination Chemistry Reviews, 493, p.215328., @2023 [Линк](#) 1.000
352. Zavalishin, M.N., Gamov, G.A., Pogonin, A.E., Isagulieva, A.K., Shibaeva, A.V., Klimovich, M.A. and Morozov, V.N., A new fluorescent vitamin B6-based probe for selective and sensitive detection Ga3+ ions in the environment and living cells. Dyes and Pigments, 219, p.111621., @2023 [Линк](#) 1.000

353. Zhao, Q., Yan, J., Wang, J., Liu, R. and Bartlam, M., Structural analysis of the ferric-binding protein KfuA from *Klebsiella pneumoniae*. **1.000** *Biochemical and Biophysical Research Communications*, Volume 679, 30 October 2023, Pages 52-57, @2023 [Линк](#)
172. Lai, Y.C., Rafailov, P. M., Vlaikova, E., **Marinova, V.**, Lin, S. H., Yu, P., Chi, C. G., **Dimitrov, D.**, Sveshtarov, P, Mehandjiev, V., Gospodinov, M. M. Chemical vapour deposition growth and Raman characterization of graphene layers and carbon nanotubes. *Journal of Physics: Conference Series*, 682, IOP Science, 2016, ISSN:1742-6596, DOI:doi:10.1088, 012009. SJR:0.211
[Цитира се е:](#)
354. Qian Pan, Junhui Hu, Chengzhi Hu, Ying Yan "Reparation and characterization of carbon nanotubes coated on expanded perlite as sound absorption composite materials" *Materials Science and Engineering: B*, Volume 296, October, 116697 (2023), @2023
173. **Nazarova, D, Mateev, G, Ivanov, D, Blagoeva, B, Kostadinova, D, Stoykova, E, Nedelchev, L.** Photoinduced birefringence in thin azopolymer films recorded at different temperatures. *Bulgarian Chemical Communications*, 48, Special Issue G, 2016, ISSN:0324-1130, 75-78. ISI IF:0.349
[Цитира се е:](#)
355. F. L. Tambosco, C. Révora, G. F. Volonnino, S. Goyanes, M. G. Capeluto, S. Ledesma. "Optimization of azopolymer films for optical memory applications by using ethylene glycol as a free-volume generator". *Optica Pura y Aplicada (IF2022: 0.2, Q4)*, vol. 56, art. no. 51149 (2023). <http://dx.doi.org/10.7149/OPA.56.2.51149>, @2023 [Линк](#)
174. **Marinova, V.**, Lin, S. H., Hsu, K. Y.. Photorefractive Effect: Principle, Materials and Near-Infrared Holography. *Wiley Encyclopedia of Electrical and Electronics Engineering*, 15, Wiley, 2016, ISBN:ISBN: 9780471346081, DOI:10.1002/047134608X, 30
[Цитира се е:](#)
356. Aviel Sheen V. Dumaicos, Raphael A. Guerrero "Variable linear polarization of plane waves reconstructed via photorefractive volume holography" *Proc. SPIE 12606, Optical Manipulation and Structured Materials Conference, 126060A* (2023); <https://doi.org/10.1117/12.3008325>, @2023 [Линк](#)
357. O. Maraqa, S. Aboagye and T. M. N. Ngatched, "Optical STAR-RIS-Aided VLC Systems: RSMA Versus NOMA, " in *IEEE Open Journal of the Communications Society*, (2023) doi: 10.1109/OJCOMS.2023.3347534., @2023 [Линк](#)
358. Omar Maraqa and Telex M. N. Ngatched "Optimized Design of Joint Mirror Array and Liquid Crystal-Based RIS-Aided VLC Systems" *IEEE Photonics Journal*, Vol. 15, NO. 4, 7303211 (2023), @2023 [Линк](#)
359. Sylvester Aboagye, Telex M. N. Ngatched, Alain R. Ndjiongue, Octavia A. Dobre, and Hyundong Shin "Liquid Crystal-Based RIS for VLC Transmitters: Performance Analysis, Challenges, and Opportunities" *IEEE Wireless Communications* (2023) doi: 10.1109/MWC.002.2300041., @2023 [Линк](#)
175. **Berberova, N, Nazarova, D, Nedelchev, L, Blagoeva, B, Kostadinova, D, Marinova, V, Stoykova, E.** Photoinduced variation of the Stokes parameters of light passing through thin films of azopolymer based hybrid organic/inorganic materials. *Journal of Physics: Conference Series (JPCS)*, 700, 1, IOP Publishing, 2016, ISSN:1742-6596, DOI:doi:10.1088/1742-6596/700/1/012032, 012032-1-012032-5. ISI IF:0.24
[Цитира се е:](#)
360. Nguyen, Huan A. "Optical Spectroscopy Analysis of the Physicochemical Properties of Poly (3- Hexylthiophene) (P3HT) Solutions Using Various Solvents Towards Controllable Formation of Polymeric Aggregates" *Dissertation, The University of Alabama ProQuest Dissertations Publishing*, 30567123 (2023), @2023 [Линк](#)
176. Mansouri S, Jandl S, Balli M, Laverdière J, Fournier P, **Dimitrov D Z.** Raman and crystal field studies of Tb-O bonds in TbMn2O5. *Phys. Rev. B.*, 94, APS, 2016, ISI IF:3.718
[Цитира се е:](#)
361. Xiang Wan, Kai Shi, Huan Li, Fangxie Shen, Shan Gao, Xiangmei Duan, Shen Zhang, Chunng Zhao, Meng Yu, Ruiting Hao, Weifang Li, Gen Wang, Maria Peressi, Yinchang Feng, and Weichao Wang "Catalytic Ozonation of Polluter Benzene from -20 to >50 °C with High Conversion Efficiency and Selectivity on Mullite YMn2O5" *Environ. Sci. Technol.*, 57, 22, 8435–8445 (2023), @2023
177. **V. Marinova,** Ren-Chung Liu, Shiuan-Huei Lin, Ming-Syuan Chen, Yi-Hsin Lin, Ken-Yuh Hsu. Near infrared sensitive organic-inorganic photorefractive device. *Optical Review*, 23, 5, Springer, 2016, DOI:10.1007/s10043-016-0244-4, 811-816. ISI IF:0.79
[Цитира се е:](#)
362. Ma, Y., Li, W., Liu, Y., Guo, W., Xu, H., Han, S., Tang, L., Fan, Q., Luo, J., Sun, Z. Polarization-Dependent Large Photorefractive Effect In A Wide Bandgap 2D Metal Halide Ferroelectric (2023) *Small*, 19 (49), art. no. 2303909, DOI: 10.1002/sml.202303909, @2023 [Линк](#)
363. Nazarova, D., Nedelchev, L., Berberova-Buhova, N., Mateev, G. Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics (2023) *Nanomaterials*, 13 (22), art. no. 2946, DOI: 10.3390/nano13222946, @2023 [Линк](#)
178. **Lazarova, K, Georgiev, R, Vasileva, M, Georgieva, B,** Spassova, M, **Malinowski, N, Babeva, T.** One-dimensional PMMA-V2O5 photonic crystals used as color indicators of chloroform vapors. *Optical and Quantum Electronics*, 48:310, Springer, 2016, ISSN:0306-8919, DOI:10.1007/s11082-016-0577-z, JCR-IF (Web of Science):1.055
[Цитира се е:](#)

364. Gao, L., Kou, D., Ma, W., Zhang, S. "Biomimetic Metal–Organic Framework-Based Photonic Crystal Sensor for Highly Sensitive Visual Detection and Effective Discrimination of Benzene Vapor". ACS Appl. Mater. Interfaces, 15, 25, 30606–30618, 2023., @2023 [Линк](#) 1.000
179. Kovalenko, A, Yadav,RS, Pospisil,J, Zmeskal,O, **Karashanova,D**, Heinrichová,P, Vala,M, Havlica,J, Weiter,M. Towards improved efficiency of bulk-heterojunction solar cells using various spinel ferrite magnetic nanoparticles. Organic Electronics, 39, Elsevier, 2016, ISSN:ISSN: 1566-1199, 118-126. SJR (Scopus):1.08, JCR-IF (Web of Science):3.471
- Цитупа се в:
365. El Abboubi, M, San, SE. "Integration of spinel ferrite magnetic nanoparticles into organic solar cells: a review". MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, 294, Article Number 116512, 2023 DOI10.1016/j.mseb.2023.116512, @2023 [Линк](#) 1.000
366. Khatun, N, Ahmed, S, Hossain, MS, Farhad, SFU, Al-Mamun, M, Alam, MS, Begum, HA, Tanvir, NI, Hakim, M, Islam, S. "Influence of Y³⁺ and La³⁺ ions on the structural, magnetic, electrical, and optical properties of cobalt ferrite nanoparticles". HELIYON, 9 (2), Article Number e13019, 2023 DOI10.1016/j.heliyon.2023.e13019, @2023 [Линк](#) 1.000
367. Shabzendedar, S, Modarresi-Alam, AR, Paymozd, F, Yarmohamadi-Vasel, M, Kaedi, F, Li, YN. "Solar cells containing two novel superparamagnetic nanocomposites of Fe₃O₄-TiO₂-poly(m-aminobenzenesulfonic acid)". SYNTHETIC METALS, 295, Article Number 117335, 2023 DOI10.1016/j.synthmet.2023.117335, @2023 [Линк](#) 1.000
180. Balli, M, Mansouri, S, Jandl, S, Fournier, P, **Dimitrov, D.Z.** Large rotating magnetocaloric effect in the orthorhombic DyMnO₃ single crystal. Solid State Communications, 2016, ISSN:0038-1098, ISI IF:1.897
- Цитупа се в:
368. Bhaskar Biswas, Dipanjan Biswas, Mintu Debnath, Esa Bose, Sudipta Pal "Giant magnetocaloric effect and second order phase transition in PrMnO₃" Journal of Magnetism and Magnetic Materials, Volume 588, Part A, 171445 (2023), @2023 1.000
369. Carlos Romero-Muñiz, Jia Yan Law, Jorge Revuelta-Losada, Luis M. Moreno-Ramírez, Victorino Franco "Magnetocaloric materials for hydrogen liquefaction" The Innovation Materials 1(3), 100045 (2023), @2023 1.000
370. J.H. Bae, K.K. Cho, J.W. Lee, S.H. Han, B.K. Cho "Magnetic entropy changes for the rotating magnetocaloric effect in RB₄ (R = Gd, Tb, Dy, Ho, Er, and Tm)" Journal of Magnetism and Magnetic Materials, Volume 576, 170767 (2023), @2023 1.000
371. Jianhang Shi; Mohindar S. Seehra; Jacob Pfund; Shiqi Yin; Menka Jain "Magnetocaloric properties of TbCrO₃ and TmCrO₃ and their comparison with those of the other RCrO₃ systems (R = Gd, Dy, Ho, and Er)" J. Appl. Phys. 134, 103903 (2023), @2023 1.000
372. Keunki Cho, Wonhyuk Shon, Jaehan Bae, Jaewoong Lee, Seungha Yoon, Jinhee Kim, Jong-Soo Rhyee, and Beongki Cho "Anisotropic Metamagnetic Spin Reorientation and Rotational Magnetocaloric Effect of Single Crystal NdAlGe" Materials, 16(7), 2771 (2023), @2023 1.000
373. Miguel Ángel López-Álvarez, Pedro Ortega-Gudiño, Jorge Manuel Silva-Jara, Jazmín Guadalupe Silva-Galindo, Arturo Barrera-Rodríguez, José Eduardo Casillas-García, Israel Ceja-Andrade, Jesús Alonso Guerrero-de León and Carlos Alberto López-de Alba "DyMnO₃: Synthesis, Characterization and Evaluation of Its Photocatalytic Activity in the Visible Spectrum" Materials, 16(24), 7666 (2023), @2023 1.000
374. R. Hamdi, S. Boulfrad, S.S. Hayek, A. Samara, S.A. Mansour, Y. Haik "Comparative analysis of the structural, magnetic, and magnetocaloric properties of Gd_{0.5}Dy_{0.5}Mn_{0.5}X_{0.5}O₃ (X = Ni, Fe, and Co) nanoparticles" Inorganic Chemistry Communications, Vol. 158, Part 1, 111589 (2023), @2023 1.000
375. Xiang Wan, Kai Shi, Huan Li, Fangxie Shen, Shan Gao, Xiangmei Duan, Shen Zhang, Chunng Zhao, Meng Yu, Ruiting Hao, Weifang Li, Gen Wang, Maria Peressi, Yinchang Feng, and Weichao Wang "Catalytic Ozonation of Polluter Benzene from -20 to >50 °C with High Conversion Efficiency and Selectivity on Mullite YMn₂O₅" Environ. Sci. Technol., 57, 22, 8435–8445 (2023), @2023 1.000
376. Yundan Yu, Jieyang Fang, Xiukun Hu, Hongliang Ge, Hangfu Yang "Review of the research on oxides in low-temperature magnetic refrigeration" Journal of the European Ceramic Society, Volume 43, Issue 15, Pages 6665-6680 (2023), @2023 1.000
181. **Angelov, R, Georgieva, B, Karashanova, D.** Films of recycled polyethylene terephthalate, obtained by electrospraying, for paper and textile impregnation. Bulgarian Chemical Communication, 48, Special Issue G, 2016, ISSN:0324-1130, 156-160. ISI IF:0.229
- Цитупа се в:
377. Haibo H., Long M., Wei W., Zhihan L., Chengrong Q. "A facile strategy to fabricate antibacterial hydrophobic, high-barrier, cellulose papersheets for food packaging". International Journal of Biological Macromolecules, 2023, 123630, ISSN 0141-8130, <https://doi.org/10.1016/j.ijbiomac.2023.123630>., @2023 [Линк](#) 1.000
182. Koduru,HK, Iliev,MT, Kondamareddy,KK, **Karashanova,D**, Vlakhov,T, Zhao,XZ, Scaramuzza,N. Investigations on Poly (ethylene oxide) (PEO) - blend based solid polymer electrolytes for sodium ion batteries. Journal of Physics: Conference Series, 764, IOP Publishing, 2016, ISSN:1742-6596, DOI:doi:10.1088/1742-6596/764/1/012006, 012006. SJR (Scopus):0.24
- Цитупа се в:
378. Guzmán-Torres, J, Sánchez-Valdez, AG, Garza-Tovar, LL, Torres-González, LC, González-Juárez, E, González-Martínez, I, Espinosa-Roa, A, Sánchez-Cervantes, EM. "Solid polymer electrolyte membranes of trimethylsulfonium bis(trifluoromethylsulfonyl)imide/NaClO₄/PEO for Na-ion batteries". POLYMER BULLETIN, 2023 DOI10.1007/s00289-023-04844-z, @2023 [Линк](#) 1.000
379. Humbe, SS, Joshi, GM, Deshmukh, RR. "Synergetic Effect of Plasma-Treated Graphene Oxide/Polymer Blends for Electrostatic Dissipative Applications". Physica Status Solidi (A) Applications and Materials Science, 220 (2), Article number 2200578, 2023 DOI 10.1002/pssa.202200578, @2023 [Линк](#) 1.000

380. Muheddin, D, Aziz, S, Mohammed, P. "Variation in the Optical Properties of PEO-Based Composites via a Green Metal Complex: Macroscopic Measurements to Explain Microscopic Quantum Transport from the Valence Band to the Conduction Band". POLYMERS, 15 (3), Article Number 771, 2023 DOI10.3390/polym15030771, @2023 [Линк](#) 1.000
381. Sowmiya, S, Shanthi, C, Selvasekarapandian, S. "Development of sodium-ion conducting biopolymer electrolyte membrane based on Agar-Agar with sodium perchlorate (NaClO₄) using ethylene carbonate (EC) as a plasticizer for primary Na-ion battery". DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, 18 (4), 1537-1555, 2023 DOI10.15251/DJNB.2023.184.1537, @2023 [Линк](#) 1.000
183. **Marinova, V**, Tong, ZF, Petrov, S, **Karashanova, D**, Lin, YH, Lin, SH, Hsu, KY. Graphene oxide doped PDLC films for all optically controlled light valve structures. Proceeding of SPIE, 9970, 2016, ISSN:0277-786X, DOI:doi: 10.1117/12.2238508, 997009-1. SJR (Scopus):0.24, JCR-IF (Web of Science):0.2
Цитира се в:
382. Dimana Nazarova, Lian Nedelchev, Nataliya Berberova-Buhova and Georgi Mateev "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics" Nanomaterials, 13(22), 2946 (2023), @2023 [Линк](#) 1.000
383. Nazarova, D, Nedelchev, L, Berberova-Buhova, N, Mateev, G. "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". NANOMATERIALS, 13 (22), Article Number 2946, 2023 DOI10.3390/nano13222946, @2023 [Линк](#) 1.000
184. Kang, H., **Stoykova, E.**, Kim, Y., Hong, S., Park, J., Hong, S.. Color holographic wavefront printing for realistic representation. IEEE Transactions on Industrial Informatics, PP, 99, 2016, ISSN:1551-3203, DOI:10.1109/TII.2015.2504797, 1-8. ISI IF:8.785
Цитира се в:
384. Rani, M., Kaur, N., Joshi, N., Bhanot, P., Das, B., & Kumar, R. (2023, May). Performance evaluation of different optical schemes for realization of holographic printers. In Holography: Advances and Modern Trends VIII (Vol. 12574, pp. 188-198). SPIE., @2023 [Линк](#) 1.000
185. Kang, H., **Stoykova, E.**, Yoshikawa, H.. Fast phase-added stereogram algorithm for generation of photorealistic 3D content. Applied Optics., 55, 3, OSA publishing, 2016, ISSN:1559-128X, A135-A143. JCR-IF (Web of Science):1.784
Цитира се в:
385. Qian, X., Ai, L., Shi, X., Dong, Y., & Cho, M. (2023). Reflective Fourier ptychography-based depth-recovery & resolution-enhanced real scene hologram acquisition method. Journal of Optics, 25(6), 065701., @2023 [Линк](#) 1.000
386. Rabosh, E. V., Balbekin, N. S., & Petrov, N. V. (2023). Analog-to-digital conversion of information archived in display holograms: I. discussion. JOSA A, 40(4), B47-B56., @2023 [Линк](#) 1.000
387. Wang, F., Ito, T., & Shimobaba, T. (2023). High-speed rendering pipeline for polygon-based holograms. Photonics Research, 11(2), 313-328., @2023 [Линк](#) 1.000
186. Bozhinov, N, Blagoev, B, **Marinova, V**, **Babeva, T**, Goovaerts, E, **Dimitrov, D**. Properties of ALD Aluminum-doped ZnO as transparent conductive oxide. Bulgarian Chemical Communications, 48, Special Issue G, 2016, 193-197. ISI IF:0.229
Цитира се в:
388. Ortiz-Ortiz, A.M., Gayle, A.J., Wang, J., Faustyn, H.R., Penley, D., Sherwood, C., Tuteja, A. and Dasgupta, N.P., "Scaling-Up Seeded Hydrothermal Nanowire Synthesis on Non-planar Surfaces Using a Flow Reactor". ACS Appl. Eng. Mater. 1 (6), 1583–1592, 2023, @2023 [Линк](#) 1.000

2017

187. Nikov, R G, Nedyalkov, N N, Atanasov, P A, **Karashanova, D B**. Laser-assisted fabrication and size distribution modification of colloidal gold nanostructures by nanosecond laser ablation in different liquids. APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, 123, 7, SPRINGER, 2017, ISSN:0947-8396, DOI:10.1007/s00339-017-1105-0, ISI IF:1.455
Цитира се в:
389. Goncharova, D, Salaev, M, Volokitina, A, Magaev, O, Svetlichnyi, V, Vodyankina, O. "Gold-based catalysts prepared by pulsed laser ablation: A review of recent advances". MATERIALS TODAY CHEMISTRY, 33, Article Number 101709, 2023 DOI10.1016/j.mtchem.2023.101709, @2023 [Линк](#) 1.000
188. Nikolov, A S, Balchev, I I, Nedyalkov, N N, Kostadinov, I K, **Karashanova, D B**, Atanasova, G B. Influence of the laser pulse repetition rate and scanning speed on the morphology of Ag nanostructures fabricated by pulsed laser ablation of solid target in water. APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, 123, 11, SPRINGER, 2017, ISSN:0947-8396, DOI:10.1007/s00339-017-1328-0, ISI IF:1.604
Цитира се в:
390. Attallah, AH, Abdulwahid, FS, Ali, YA, Haider, AJ. "Effect of Liquid and Laser Parameters on Fabrication of Nanoparticles via Pulsed Laser Ablation in Liquid with Their Applications: A Review". PLASMONICS, 18 (4), 1307-1323, 2023 DOI10.1007/s11468-023-01852-7, @2023 [Линк](#) 1.000

189. **Babeva, T.**, Andreev, A., Grand, J., **Vasileva, M.**, Karakoleva, E., Zafirova, B.S., **Georgieva, B.**, Koprinarova, J., Mintova, S. Optical fiber–Ta2O5 waveguide coupler covered with hydrophobic zeolite film for vapor sensing. *Sensors and Actuators B: Chemical*, 248, Elsevier, 2017, ISSN:0925-4005, 359-366. JCR-IF (Web of Science):4.758

Цитира се в:

391. Yong Zhao, Yingxuan Liu, Bo Han, Mingyue Wang, Qi Wang, Ya-nan Zhang. "Fiber optic volatile organic compound gas sensors: A review". *1.000* *Coordination Chemistry Reviews*, Volume 93, 2023, @2023 [Линк](#)

190. **Angelova, S.**, Nikolova, V., Pereva, S., Spassov, T., Dudev, T.. α -Cyclodextrin: How Effectively Can Its Hydrophobic Cavity Be Hydrated?. *J. Phys. Chem. B*, 121, 39, ACS Publications, 2017, ISSN:1089-5647, 9260-9267. JCR-IF (Web of Science):3.146 (x)

Цитира се в:

392. Desoky, M.M., Caldera, F., Brunella, V., Ferrero, R., Hoti, G. and Trotta, F., Cyclodextrins for Lithium Batteries Applications. *Materials*, 16(16), 1.000 p.5540., @2023 [Линк](#)

393. Sharma, A., Bomzan, P., Roy, D., Chhetri, A., Choudhury, S., Ghosh, N.N., Ali, S., Bk, P., Ghosh, S., Dutta, A. and Kumar, A., Molecular Assembly of Rhodanine with Torus-Shaped Cyclodextrins and Their Innovative Applications by Physicochemical Contrivance Simultaneously Optimized by Computational Study. *ChemistrySelect*, 8(11), p.e202300417., @2023 [Линк](#)

394. Zhang, S., Li, W., Luan, J., Srivastava, A., Carnevale, V., Klein, M.L., Sun, J., Wang, D., Teora, S.P., Rijpkema, S.J. and Meeldijk, J.D., Adaptive insertion of a hydrophobic anchor into a poly (ethylene glycol) host for programmable surface functionalization. *Nature Chemistry*, 15(2), pp.240-247, @2023 [Линк](#)

191. **Berberova, N.**, Daskalova, D., **Strijkova, V.**, **Kostadinova, D.**, **Nazarova, D.**, **Nedelchev, L.**, **Stoykova, E.**, **Marinova, V.**, Chi, C. H., Lin, S. H.. Polarization holographic recording in thin films of pure azopolymer and azopolymer based hybrid materials. *Optical Materials*, 64, Elsevier, 2017, ISSN:0925-3467, 212-216. ISI IF:2.32

Цитира се в:

395. CAZAC Veronica, "Development of digital holographic microscope for the investigation of diffractive optical elements recorded on chalcogenide glasses and azopolymer thin films", Doctoral Thesis in Physics, STATE UNIVERISTY OF MOLDOVA, DOCTORAL SCHOOL OF NATURE SCIENCES, @2023 [Линк](#)

396. Inventors: Geng, Ying; Gao, Weichuan. Title: "Optical assembly for providing koehler illumination to a display", United States Patent 11726365. 1.000 Date of Patent: 15 Aug 2023. Assignee: Meta Platforms Technologies LLC, Menlo Park, CA (US), @2023 [Линк](#)

192. Balli, M, Mansouri, S, Jandl, S, Fournier, P, **Dimitrov, DZ.** Analysis of the anisotropic magnetocaloric effect in RMn2O5 single crystals. *Magnetochemistry*, 3, MDPI, 2017, 36

Цитира се в:

397. D. Swathi, Nand Kishor Yadav, P. Praveen, N. Kumar Swamy and N. Pavan Kumar "Synthesis and Room Temperature Structural, Optical, Electrical Properties of Holmium Doped GdMn2O5 Multiferroics" *ECS J. Solid State Sci. Technol.* 12(3) 033007 (2023), @2023

398. Souheila Mellari "Introduction to magnetic refrigeration: magnetocaloric materials" *International Journal of Air-Conditioning and Refrigeration*, 1.000 volume 31, Article number: 5 (2023), @2023

193. **Georgiev, A.** Bubev, E, **Dimov, D.** Yancheva, D, **Zhivkov, I.** Krajčovič, K, Vala, M, Weiter, M, Machkova, M. Synthesis, Structure, Spectral Properties and DFT Quantum Chemical Calculations of 4-aminoazobenzene Dyes. Effect of Intramolecular Hydrogen Bonding on Photoisomerization. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 175, Elsevier, 2017, DOI:http://dx.doi.org/10.1016/j.saa.2016.12.005, 76-91. JCR-IF (Web of Science):2.88

Цитира се в:

399. Ahmed, M.S.M., Mekky, A.E.M., Sanad, S.M.H. "Regioselective three-component synthesis and theoretical calculations of new alkane-linked bis(thiazol-2(3H)-imine) hybrids: a DFT-based FMO and local reactivity indices". *Journal of the Iranian Chemical Society*. 20(10), pp. 2527-2542, 2023, @2023 [Линк](#)

400. Airinei, A., Isac, D.L., Fifere, N., Maftei, D., Rusu, E. "Computational and experimental investigation of photoresponsive behavior of 4, 4'-dihydroxyazobenzene diglycidyl ether". *Results in Chemistry*. 5, 100709, 2023, @2023 [Линк](#)

401. Edwards, K.E.K., Mermut, O., Pietro, W.J., Barrett, C.J. "Optical and computational study of the trans \leftrightarrow cis reversible isomerization of the commercial bis-azo dye Bismarck Brown Y" *Physical Chemistry Chemical Physics*. 25(7), pp. 5673-5684, 2023, @2023 [Линк](#)

402. Krishnamurthy, C., Keshavayya, J., Noor Zahara, F., Shekharagouda, P. "Effect of Intramolecular Hydrogen Bonding Interaction of Azo-Hydrazone Tautomers of 3-Diethylamino Phenol Based Azo Bonded Molecules and their Biological Potentialities". *ChemistrySelect*, 8(33), e202301773, 2023, @2023 [Линк](#)

194. **Angelova, S.**, Nikolova, V., Dudev, T.. Determinants of the host–guest interactions between α -, β - and γ -cyclodextrins and group IA, IIA and IIIA metal cations: a DFT/PCM study. *Physical Chemistry Chemical Physics*, 19, Royal Society of Chemistry, 2017, ISSN:14639084, 14639076, DOI:10.1039/C7CP01253E, 15129-15136. SJR (Scopus):1.31, JCR-IF (Web of Science):3.906 (x)

Цитира се в:

403. Zlibut, E., May, J.C., Wei, Y., Gessmann, D., Wood, C.S., Bernat, B.A., Pugh, T.E., Palmer-Jones, L., Cosquer, R.P., Dybeck, E. and McLean, J.A., 2023. Noncovalent Host–Guest Complexes of Artemisinin with α -, β -, and γ -Cyclodextrin Examined by Structural Mass Spectrometry Strategies. *Anal. Chem.* 2023, 95, 21, 8180–8188, @2023 [Линк](#) 1.000
195. R. Todorov, V. Lozanova, P. Knotek, E. Cernoskova, M. Vlcek. Microstructure and ellipsometric modeling of the optical properties of very thin silver films for application in plasmonics. *Thin Solid Films*, 628, 2017, 22-30. SJR (Scopus):0.617, JCR-IF (Web of Science):1.939
- Цитира се в:
404. Ashok, A., Karan, V., Lasya, P., Jacob, D., Swaminathan, P. and Yadav, S.K., Optimization of the deposition process parameters of DC magnetron sputtering to achieve desired deposition rate using design of experiment method, *Journal of Electronic Materials* 52, 6851–6863, 2023, @2023 [Линк](#) 1.000
405. Ashok, A., Karan, V., Lasya, P., Jacob, D., Swaminathan, P. and Yadav, S.K., Optimization of the deposition process parameters of DC magnetron sputtering to achieve desired deposition rate using design of experiment method, *Reprint*, March 2023, @2023 [Линк](#) 1.000
406. Benjamin Kalas, György Sáfrán, Miklós Serényi, Miklós Fried, Péter Petrik, Scanning-resonance optical sensing based on a laterally graded plasmonic layer – optical properties of AgxAl1-x in the range of x = 0 to 1, *Applied Surface Science*, 154770, 2023, @2023 [Линк](#) 1.000
407. Gangwar, M.S. and Agarwal, P., Influence of microstructure on dielectric function and plasmonic properties of silver nanoparticles grown by solid state dewetting: a spectroscopic ellipsometry study, *Physica Scripta* 98, 105944, 2023, @2023 [Линк](#) 1.000
408. Mukherjee, D., Kalas, B., Burger, S., Safran, G., Serenyi, M., Fried, M. and Petrik, P., "Nanostructures for in-situ surface-enhanced Kretschmann-Raether ellipsometry", *arXiv:2303.14636 [physics.optics]* 2023, @2023 [Линк](#) 1.000
409. Mukherjee, D., Kalas, B., Burger, S., Safran, G., Serenyi, M., Fried, M. and Petrik, P., "Nanostructures for in-situ surface-enhanced Kretschmann-Raether ellipsometry", *Proc. SPIE 12428, Photonic Instrumentation Engineering X*, 124280S, 2023, @2023 [Линк](#) 1.000
410. Promjantuk, C., Lertvanithphol, T., Limsuwan, N., Limwichean, S., Wongdamnern, N., Sareein, T., Phae-ngam, W., Nakajima, H., Poolcharuansin, P., Horprathum, M. and Klamchuen, A., Spectroscopic study on alternative plasmonic TiN-NRs film prepared by R-HiPIMS with GLAD technique, *Radiation Physics and Chemistry*, 202, 110589 2023, @2023 [Линк](#) 1.000
411. Xue F., Xianghong C., Guiming S., Mingyue Ch., Meihui S., Xiaochen Zh., Yang W., Bo H. Preparation and Properties Magnetite/Polyimide Composites, *Materials Science (Medžiagotyra)*. 29(3), 310-315, 2023., @2023 1.000
196. Nazarova, D, Nedelchev, L, Ivanov, D, Blagoeva, B, Berberova, N, Stoykova, E, Mateev, G, Kostadinova, D. Laser induced optically and thermally reversible birefringence in azopolymers. *Proceedings of SPIE*, 10226, SPIE, 2017, ISSN:0277-786X, DOI:10.1117/12.2262357, 1022608-1-1022608-7. SJR (Scopus):0.22
- Цитира се в:
412. S. Petrov, N. H. M. Chau, V. Marinova, C. C. Sun, K. Y. Hsu, S. H. Lin. "Controllable LC anchoring on poly{1-[4-(3-carboxy-4-hydroxyphenylazo) benzenesulfonamido]-1, 2-ethanediyl, sodium salt} command surface". *Polymer (IF2021: 4.432, Q1)*, 2023, art.no. 125841, ISSN 0032-3861, <https://doi.org/10.1016/j.polymer.2023.125841>., @2023 [Линк](#) 1.000
197. Vasilev, A., Kandinska, M., Stoyanov, S., Yordanova, S., Sucunza, D., Vaquero, J. J., Castaño, O., Balushev, S., Angelova, S., Halogen-containing thiazole orange analogues – new fluorogenic DNA stains. *Beilstein Journal of Organic Chemistry*, 13, Beilstein-Institut, 2017, DOI:10.3762/bjoc.13.283, 2902-2914. SJR (Scopus):0.929, JCR-IF (Web of Science):2.33 (x)
- Цитира се в:
413. Feng, X., Zhou, D., Mu, D. and Xu, H., An esterase activity-based biosensor for rapid and sensitive detection of viable *Escherichia coli* O157:H7 in milk. *International Dairy Journal*, 147, p.105769., @2023 [Линк](#) 1.000
414. Li, G., Yanyan, Z., Yongbao, M., Kaisen, F., Wenhui, G. and Yile, F., Research Progress in the Synthesis of Polymethine Chain Modified Cyanine Dyes. *Chinese Journal of Organic Chemistry*, 43(8), p.2682., @2023 [Линк](#) 1.000
198. Shrestha K, Marinova, V, Graf D, Lorenz B, Chu C W. "Weak anti-localization effect due to topological surface states in Bi2Se2.1Te0.9". *Journal of Applied Physics*, 122, American Institute of Physics, 2017, DOI:10.1063/1.4997947, 145901-145905. JCR-IF (Web of Science):2.068
- Цитира се в:
415. Lei Guo, Meng Xu, Lei Chen, Ting Wei Chen, Weiyao Zhao, Xiaoling Wang, Shuai Dong, Ren-Kui Zheng "The Emerging Weak Antilocalization Effect in Semimetal Ta0.7Nb0.3Sb2 Single Crystal" *Frontiers in Physics*, Volume 18, article number 13304 (2023), @2023 [Линк](#) 1.000
416. Polat, O., Horák, M., Arregi, J.A., Bukvišová, K., Zlámal, J., Šikola, T. Synthesis and characterization of half-Heusler ScPtBi films via three-source magnetron co-sputtering on Nb superconductor buffer layer (2023) *Surfaces and Interfaces*, 40, art. no. 103118, DOI: 10.1016/j.surfin.2023.103118, @2023 [Линк](#) 1.000
417. Ruiz-Clavijo, A., Pérez, N., Caballero-Calero, O., Blanco, J., Peiró, F., Plana-Ruiz, S., López-Haro, M., Nielsch, K., Martín-González, M. Localization and Directionality of Surface Transport in Bi2Te3 Ordered 3D Nanonetworks (2023) *ACS Nano*, 17 (17), pp. 16960-16967. DOI: 10.1021/acsnano.3c04160, @2023 [Линк](#) 1.000
418. Xu, M., Guo, L., Chen, L., Zhang, Y., Li, S.-S., Zhao, W., Wang, X., Dong, S., Zheng, R.-K. Emerging weak antilocalization effect in Ta0.7Nb0.3Sb2 semimetal single crystals (2023) *Frontiers of Physics*, 18 (1), art. no. 13304, DOI: 10.1007/s11467-022-1198, @2023 [Линк](#) 1.000
199. Shrestha K, Marinova, V, Craft D, Lorenz B, Chu W C. "Large magnetoresistance and Fermi surface study of Sb2Se2Te single crystal". *Journal of Applied Physics*, 122, 125901, 2017, DOI:10.1063/1.4998575, 125901-125905. JCR-IF (Web of Science):2.068

Цумура се е:

419. Nadezhda V. Vladimirova, Alexander S. Frolov, Jaime Sánchez-Barriga, Oliver J.Clark, Fumihiko Matsui, Dmitry Yu.Usachov, Matthias Muntwiler, Carolien Callaert, Joke Hadermann, Vera S.Neudachin, Marina E.Tamm, Lada V.Yashina "Occupancy of lattice positions probed by X-ray photoelectron diffraction: A case study of tetradymite topological insulators" Surfaces and Interfaces, Volume 36, 102516 (2023), @2023
420. Nguyen, T., Aryal, N., Pokharel, B.K., Harnagea, L., Mierstchin, D., Popović, D., Graf, D.E., Shrestha, K. Fermiology of the Dirac type-II semimetal candidates (Ni, Zr) Te₂ using de Haas-van Alphen oscillations (2022) Physical Review B, 106 (7), art. no. 075154, DOI: 10.1103/PhysRevB.106.075154, @2023 [Линк](#)
421. Thinh Nguyen "Fermi Surface Studies of the Dirac Type-II Semimetal Candidates (Ni, Zr)Te₂ Using High Field Torque Magnetometry" MS Thesis, West Texas A&M University, Canyon, Texas (2023), @2023 [Линк](#)
200. Koleva, M, Nedyalkov, N, Fukata, N, Jevasuwan, W, Amoruso, S, Koutzarova, T, Avdeev, G, **Georgieva, B, Karashanova, D.** Laser-assisted approach for synthesis of plasmonic Ag/ZnO nanostructures. Superlattices and Microstructures, 109, Elsevier, 2017, ISSN:0749-6036, DOI:10.1016/j.spmi.2017.06.007, 886-896. JCR-IF (Web of Science):2.123

Цумура се е:

422. Mahmoud Gomaa, Abeer Salah, Gamal Abdel Fattah. "Superior enhancement of SPR fiber optic sensor using laser sensitized dip-coated graphene gold nanocomposite probes". Optics & Laser Technology Volume 157, January 2023, 108644, @2023 [Линк](#)
423. Ulyana E. KurilovaAnton S. ChernikovDmitry A. KochuevShow et al. "Physical and Biological Properties of Layers with Nanoparticles Based on Metal Chalcogenides and Titanium Synthesized by Femtosecond Laser Ablation and Fragmentation in Liquid". Journal of Biomedical Photonics & Engineering. DOI: 10.18287/JBPE23.09.020301, @2023 [Линк](#)
201. Shrestha K, **Marinova, V**, Graf D, Lorenz B, Chu C W. "Simultaneous detection of quantum oscillations from bulk and topological surface states in metallic Bi₂Se_{2.1}Te_{0.9}". Philosophical Magazine, 97, 20, 2017, DOI:10.1080/14786435.2017.1314563, 1740-1754. JCR-IF (Web of Science):1.505

Цумура се е:

424. Thinh Nguyen "Fermi Surface Studies of the Dirac Type-II Semimetal Candidates (Ni, Zr)Te₂ Using High Field Torque Magnetometry" MS Thesis, West Texas A&M University, Canyon, Texas (2023), @2023 [Линк](#)
202. Shrestha K, **Marinova, V**, Graf D, Lorenz B, Chu W C. "Quantum oscillations in metallic Sb₂Te₂Se topological insulators". Physical Review B, 95, 2017, DOI:10.1103/PhysRevB.95.075102, 075102. JCR-IF (Web of Science):3.836

Цумура се е:

425. Chen, Z., Xu, M. Anisotropic magnetoresistance and quantum oscillation in Sb₂Te₃ single crystal synthesized by a Te-flux method (2023) Journal of Alloys and Compounds, 947, art. no. 169671, DOI: 10.1016/j.jallcom.2023.169671, @2023 [Линк](#)
426. Thinh Nguyen "Fermi Surface Studies of the Dirac Type-II Semimetal Candidates (Ni, Zr)Te₂ Using High Field Torque Magnetometry" MS Thesis, West Texas A&M University, Canyon, Texas (2023), @2023 [Линк](#)
203. **Marinova, V**, Lin S H, Hsu K Y. "Electro-optically and all optically addressed spatial light modulator devices based on organic-inorganic hybrid structures". SPIE, 10022, 2017, DOI:10.1117/12.2246431, 100220V-1. SJR (Scopus):0.21

Цумура се е:

427. Nazarova, D., Nedelchev, L., Berberova-Buhova, N., Mateev, G. Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics (2023) Nanomaterials, 13 (22), art. no. 2946, DOI: 10.3390/nano13222946, @2023 [Линк](#)
204. **Marinova, V.**, Lin, S H, Hsu, K Y. Two-wave mixing in organic-inorganic hybrid structures for dynamic holography. Holographic Materials and Optical Systems, InTech, 2017, ISBN:ISBN 978-953-51-5033-6, 29

Цумура се е:

428. Saleha Qissi and Partha P. Banerjee "Multiplexed digital volume reflection holograms generated from digital transmission holograms" Applied Optics Vol. 62, Issue 10, pp. D171-D180 (2023), @2023 [Линк](#)
205. Černošek Z., Černošková E., Hejdová M., Holubová J., **Todorov R.** The properties and structure of Ge-Se-Te glasses and thin films. Journal of Non-Crystalline Solids, 460, 2017, 169-177. SJR (Scopus):0.692, JCR-IF (Web of Science):2.124

Цумура се е:

429. Robert, B., Flaud, V., Escalier, R., Mehdi, A. and Vigreux, C., XPS Study of Ge-Se-Te Surfaces Functionalized with Organosilanes, Applied Surface Science, 607, 154921, 2023, @2023 [Линк](#)
430. Shiv Kumar Pal, Dipti Sharma and Neeraj Mehta, Calorimetric studies of crystallization in Se₇₆Te₂₀Sn₂Ge₂ glass under heating/cooling mode, Physica Scripta 98 015709, 2022, @2023 [Линк](#)
431. Yang, L., Zhou, G.J., Lin, C.G., Composition-dependent properties and network structure of Ge-Se-Te chalcogenide glasses, Chalcogenide Letters, 20(1), pp. 1-9, 2023., @2023 [Линк](#)

206. Kancheva, V. D., **Angelova, S.** Synergistic Effects of Antioxidant Compositions during Inhibited Lipid Autoxidation. LIPID PEROXIDATION INHIBITION , EFFECTS AND MECHANISMS, Nova Science Publishers, Inc., 2017, ISBN:978-1-53610-506-3, 49-82 (x)

Цитира се в:

432. Bolshakov, A., Kallimulina, R. and Nikitina, M., 2023, September. New Algorithm for Determining the Shape of Particles and the Size of Adulteration Areas in Meat for a Decision Support System. In Conference on Creativity in Intelligent Technologies and Data Science (pp. 288-305). Cham: Springer Nature Switzerland., @2023 [Линк](#) 1.000
433. Bravo-Díaz, C., 2023. Advances in the control of lipid peroxidation in oil-in-water emulsions: Kinetic approaches. Critical Reviews in Food Science and Nutrition, 63(23), pp.6252-6284., @2023 [Линк](#) 1.000
434. Ramírez-Moreno, F.J., Gómez-Oliván, L.M., Islas-Flores, H., García-Medina, S., Aguirre-Garrido, J.F. and Hernández-Soto, L.M., A comprehensive approach to how hospital effluents lead to oxidative stress and shift the gene expression in target organs of Danio rerio. Science of the Total Environment, 887, p.164057., @2023 [Линк](#) 1.000
207. **Elena Stoykova**, Hoonjong Kang, Youngmin Kim, Joosup Park, Sung Hee Hong, Jisoo Hong. 3D capture and 3D contents generation for holographic imaging. Holographic Materials and Optical Systems, Holography, InTech, 2017, ISBN:978-953-51-5033-6, DOI:10.5772/65904, 183-292

Цитира се в:

435. Moussa, Bishoy, and Mahmoud El-Khouly. "Metaverse: A survey of streaming and communications optimizations."(JIS) Journal of Information Society Vol. 9, 2023 ISSN 2356-9328, @2023 [Линк](#) 1.000
208. Koduru, H K, Kondamareddy, K K, Iliev, M T, Marinov, Y G, Hadjichristov, G B, **Karashanova, D**, Scaramuzza, N. Synergetic effect of TiO2 nano filler additives on conductivity and dielectric properties of PEO/PVP nanocomposite electrolytes for electrochemical cell applications. Journal of Physics Conference Series, 780, IOP PUBLISHING LTD, 2017, ISSN:1742-6588, DOI:10.1088/1742-6596/780/1/012006, ISI IF:0.24

Цитира се в:

436. Wang, DM, Wang, ZY, Liang, WB, Han, YX, Zhao, Y, Lv, YY, Shi, LY, Yuan, S. "Functional dielectric materials for high-performance solid-state batteries". MATERIALS CHEMISTRY FRONTIERS, 2023 DOI10.1039/d3qm00964e, @2023 [Линк](#) 1.000

2018

209. Michailova, VI, Momekova, DB, Velichkova, HA, Ivanov, EH, Kotsilkova, RK, **Karashanova, DB**, Mileva, ED, Dimitrov, IV, Rangelov, SM. Self-Assembly of a Thermally Responsive Double-Hydrophilic Copolymer in Ethanol Water Mixtures: The Effect of Preferential Adsorption and Co-Nonsolvency. JOURNAL OF PHYSICAL CHEMISTRY B, 122, 22, AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA, 2018, ISSN:1520-6106, DOI:10.1021/acs.jpcc.8b01746, 6072-6078. ISI IF:3.146

Цитира се в:

437. Buglakov, AI, Vasilevska, VV. "Self-Assembled Graft Copolymer Nanofibers with an Adjustable Internal and External Structure". MACROMOLECULES, 56 (17), 6600-6608, 2023 DOI10.1021/acs.macromol.3c00806, @2023 [Линк](#) 1.000
438. Higaki, Y, Masuda, T, Nakamura, M, Takahashi, M. "Conosolvency-Induced Microphase Separation of Double Hydrophilic Poly(2-ethyl-2-oxazoline)-Polycarboxybetaine Diblock Copolymers in Water-Ethanol Mixtures". MACROMOLECULES, 56 (16), 6208-6216, 2023 DOI10.1021/acs.macromol.3c00696, @2023 [Линк](#) 1.000
439. Shuldyakov, GA, Buglakov, AI, Larin, DE. "Morphological Transitions in Solutions of Macromolecules with Solvophilic Backbone and Orientationally Mobile Solvophobic Side Groups". POLYMER SCIENCE SERIES A, 2023 DOI10.1134/S0965545X23701006, @2023 [Линк](#) 1.000
440. Zika, A, Agarwal, M, Schweins, R, Gröhn, F. "Joining Two Switches in One Nano-Object: Photoacidity and Photoisomerization in Electrostatic Self-Assembly". Chemistry - A European Journal, 29 (1016), Article number e202203373, 2023 DOI 10.1002/chem.202203373, @2023 [Линк](#) 1.000
210. Tsoncheva, T, Mileva, A, Tsyntsarski, B, Paneva, D, Spassova, I, Kovacheva, D, Velinov, N, **Karashanova, D**, **Georgieva, B**, Petrov, N. Activated carbon from Bulgarian peach stones as a support of catalysts for methanol decomposition. Biomass&Bioenergy, 109, Elsevier, 2018, ISSN:0961-9534, 135-146. ISI IF:3.219

Цитира се в:

441. Dimoglo, A., Veli, S., Konukman, A.E.Ş. et al. "Experience in using a pilot plant for the treatment and reuse of laundries wastewater: electroflotocoagulation and adsorption". Int. J. Environ. Sci. Technol. 20, 5427-5440 (2023). <https://doi.org/10.1007/s13762-022-04516-x>, @2023 [Линк](#) 1.000
442. Hassaan, M.A., Yilmaz, M., Helal, M. et al. "Isotherm and kinetic investigations of sawdust-based biochar modified by ammonia to remove methylene blue from water". Sci Rep 13, 12724 (2023). <https://doi.org/10.1038/s41598-023-39971-0>, @2023 [Линк](#) 1.000
443. Madhusudan Roy, Hasi Rani Barai. "Steam-activated Carbon for Supercapacitors". Chapter 13, Book Editor(s):Md. Abdul Aziz, Syed Shaheen Shah, Wiley Online Library, @2023 [Линк](#) 1.000
444. Ravi Kumar Sahu, Sandip Gangil, Vinod Kumar Bhargav, Parmanand Sahu, Bhupendra Ghritalahre. "Synthesizing biomass into nano carbon for use in high-performance supercapacitors - A brief critical review". Journal of Energy Storage, Volume 72, Part B, 2023, @2023 [Линк](#) 1.000

445. Thays França Afonso, Carolina Faccio Demarco, Guilherme Pereira Schoeler, Janice Luehring Giongo, Rodrigo de Almeida Vaucher, Tito Roberto Sant'Anna Cadaval, Simone Pieniz, Rafael de Avila Delucis, Robson Andrezza. "Polyurethane foams incorporated with different fillers to remove SARS-CoV-2 from water". *Journal of Water Process Engineering*, Volume 54, 2023, 104000, ISSN 2214-7144, <https://doi.org/10.1016/j.jwpe.2023.104000>, @2023 [Линк](#)
446. Zerín, Nusrat H., Mohammad G. Rasul, M. I. Jahirul, A.S.M. Sayem, and R. Haque. 2024. "Electrochemical Application of Activated Carbon Derived from End-of-Life Tyres: A Technological Review" *Sustainability* 16, no. 1: 47. <https://doi.org/10.3390/su16010047>, @2023 [Линк](#)
447. Zhuang, Xiuzheng and Wei, Xiangqian and Hu, Xiaohong and Zhang, Qi and Zhang, Xinghua and Chen, Lungang and Liu, Jianguo and Ma, Longlong. "Selectivity tunable iron nanoparticles from lignocellulosic components for the reductive amination of carbonyl compounds towards switchable products". *Green Chem.* 2023, The Royal Society of Chemistry, doi = "10.1039/D3GC01138K", @2023 [Линк](#)

211. **Georgiev, A**, Kostadinov, A, **Ivanov, D**, Dimov, D, Stoyanov, S, **Nedelchev, L**, **Nazarova, D**, Yancheva, D. Synthesis, Spectroscopic and TD-DFT Quantum Mechanical Study of Azo- Azomethine Dyes. A Laser Induced Trans-Cis-Trans Photoisomerization Cycle. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 192, Elsevier, 2018, DOI:<https://doi.org/10.1016/j.saa.2017.11.016>, 263-274. ISI IF:2.88

Цитира се е:

448. Adil N. Ayyash. "Theoretical Study of Some Spectral Properties of Laser Dye Using Density Function Theory". *New Physics: Sae Mulli (SJR2022 = 0.17, Q4)*, Vol. 73, No. 3, March 2023, pp. 296-303. <http://dx.doi.org/10.3938/NPSM.73.296>, @2023 [Линк](#)
449. F. Abbas, M.D. Mohammadi, H. Louis, E.C. Agwamba. "High-performance non-fullerene acceptor-analogues designed from dithienothiophen [3, 2-b]-pyrrolobenzothiadiazole (TPBT) donor materials". *Journal of Molecular Modeling (IF2021: 2.172, Q3)*, vol. 29, art. no. 31 (17 pp), 2023. <https://doi.org/10.1007/s00894-022-05435-x>, @2023 [Линк](#)
450. F. Nainggolan. "Theoretical study of cis–trans isomer of 2-hydroxy-5-methyl-2'-nitroazobenzene: DFT insight". *Journal of Molecular Modeling (IF2021: 2.172, Q3)*, vol. 29, art. no. 177 (2023). <https://doi.org/10.1007/s00894-023-05583-8>, @2023 [Линк](#)
451. K. Dinar, M. Kadri, A. Seridi. "Charge Transfer Complex of N-(4-methoxyphenyl)-2-oxooxazolidine-3-sulfonamide and Picric Acid: Experimental and DFT Studies". *Malaysian Journal of Chemistry (SJR2021: 0.138, Q4)*, vol. 25, pp. 30-46 (2023). DOI: <https://doi.org/10.55373/mjchem.v25i1.30>, @2023 [Линк](#)
452. Michal Hricovini, J.R. Asher and Miloš Hricovini. "Intramolecular crankshaft-type rearrangement in a photoisomerised glycoconjugate". *RSC Advances (IF2021: 4.036, Q2)*, vol. 13, pp. 9413–9417 (2023). DOI: 10.1039/d3ra01678a, @2023 [Линк](#)
453. S.A. Al-Zahrani, M.T. Khan, V. Jevtovic, N. Masood, Y.A. Jeilani, H.A. Ahmed, F.M. Alfaidi. "Liquid Crystalline Mixtures with Induced Polymorphic Smectic Phases Targeted for Energy Investigations". *Crystals (IF2021: 2.67, Q2)*, vol. 13, art. no. 645 (15 pp), 2023. <https://doi.org/10.3390/cryst13040645>, @2023 [Линк](#)
454. V. Jevtovic, H.A. Ahmed, M.T. Khan, S.A. Al-Zahrani, N. Masood, Y.A. Jeilani. "Preparation of Laterally Chloro-Substituted Schiff Base Ester Liquid Crystals: Mesomorphic and Optical Properties". *Crystals (IF2021: 2.67, Q2)* 2023, vol. 13, art. no. 835. <https://doi.org/10.3390/cryst13050835>, @2023 [Линк](#)
455. Yu. Kurioz, I. Tkachenko, A. Kovalchuk, Ya. Kobzar, O. Shekera, R. Kravchuk, V. Nazarenko and V. Shevchenko. "Fluorinated Oligoazomethine with Azo Groups in the Main Chain as Stimuli-Responsive Photoactive Materials". In: Fesenko, O., Yatsenko, L. (eds) *Nanooptics and Photonics, Nanochemistry and Nanobiotechnology, and Their Applications*, Springer Proceedings in Physics, vol 280, ISBN: 978-3-031-18104-7, 01 March 2023, pp. 333-346. DOI: https://doi.org/10.1007/978-3-031-18104-7_23, @2023 [Линк](#)
212. **Nedelchev, L**, **Ivanov, D**, **Berberova, N**, **Strijkova, V**, **Nazarova, D**. Polarization holographic gratings with high diffraction efficiency recorded in azopolymer PAZO. *Optical and Quantum Electronics*, 50, Springer, 2018, ISSN:1572-817X (Online), DOI:10.1007/s11082-018-1479-z, 212-1-212-9. JCR-IF (Web of Science):1.168

Цитира се е:

456. S. Petrov, N. H. M. Chau, V. Marinova, C. C. Sun, K. Y. Hsu, S. H. Lin. "Controllable LC anchoring on poly{1-[4-(3-carboxy-4-hydroxyphenylazo) benzenesulfonamido]-1, 2-ethanediyl, sodium salt} command surface". *Polymer (IF2021: 4.432, Q1)*, 2023, art.no. 125841, ISSN 0032-3861, <https://doi.org/10.1016/j.polymer.2023.125841>, @2023 [Линк](#)
213. Nikov, R G, Nedyalkov, N N, Atanasov, P A, **Karashanova, D B**. Synthesis of bimetallic nanostructures by nanosecond laser ablation of multicomponent thin films in water. *Journal of Physics: Conf. Series*, 992, 2018, DOI:10.1088/1742-6596/992/1/012046, SJR:0.24
- Цитира се е:
457. AdibAmini, S, Sari, AH, Dorrnian, D. "Optical properties of synthesized Au/Ag Nanoparticles using 532 nm and 1064 nm pulsed laser ablation: effect of solution concentration". *SN APPLIED SCIENCES*, 5 (4), Article Number 122, 2023 DOI10.1007/s42452-023-05310-1, @2023 [Линк](#)
458. Goncharova, D, Salaev, M, Volokitina, A, Magaev, O, Svetlichnyi, V, Vodyankina, O. "Gold-based catalysts prepared by pulsed laser ablation: A review of recent advances". *MATERIALS TODAY CHEMISTRY*, 33, Article Number 101709, 2023 DOI10.1016/j.mtchem.2023.101709, @2023 [Линк](#)
459. Mohebi, E, Sari, AH, Dorrnian, D, AdibAmini, S. "Formation of Agshell/Aucore Bimetallic Nanoparticles by Pulsed Laser Ablation Method: Effect of Colloidal/Solution Concentration". *PLASMONICS*, 2023 DOI10.1007/s11468-023-01976-w, @2023 [Линк](#)
214. Kancheva, V., Slavova-Kazakova, A., **Angelova, S.**, Kumar, P., Malhotra, S., Singh, B., Saso, L., Prasad, A., Parmar, V.. Protective effects of new antioxidant compositions of 4-methylcoumarins and related compounds with dl- α -tocopherol and l-ascorbic acid. *Journal of the Science of Food and Agriculture*, 98, 10, Wiley, 2018, ISSN:10970010, 00225142, DOI:10.1002/jsfa.8892, 3784-3794. SJR (Scopus):0.824 (x)

Цитира се е:

460. Bravo-Díaz, C., 2023. Advances in the control of lipid peroxidation in oil-in-water emulsions: Kinetic approaches. *Critical Reviews in Food Science and Nutrition*, 63(23), pp.6252-6284., @2023 [Линк](#) 1.000
215. **Angelova, S.**, Nikolova, V., Dudev, T.. Divalent metal ions binding to lactose: a DFT computational study. *Bulgarian Chemical Communications*, 50, Special issue J, 2018, ISSN:0324-1130, 130-134. SJR (Scopus):0.14 (x)
Цитира се в:
461. Jelić, D., Đermanović, M., Marković, A., Manić, N., Veličković, S., Veljković, F. and Janković, B., Novel insight in thermo-oxidative kinetics of vitamin D-based supplement formulation using TG–DTG–DTA, ATR-FTIR and MALDI-MS techniques. *Journal of Thermal Analysis and Calorimetry*, 148(10), pp.4281-4305., @2023 [Линк](#) 1.000
216. Balli, M, Jandl, S, Fournier, P, Vermette, J, **Dimitrov, D. Z.** Unusual rotating magnetocaloric effect in the hexagonal ErMnO₃ single crystal. *Phys Rev B*, 98, 2018, ISSN:2469-9969, 184414. JCR-IF (Web of Science):3.813
Цитира се в:
462. J.H. Bae, K.K. Cho, J.W. Lee, S.H. Han, B.K. Cho "Magnetic entropy changes for the rotating magnetocaloric effect in RB₄ (R = Gd, Tb, Dy, Ho, Er, and Tm)" *Journal of Magnetism and Magnetic Materials*, Volume 576, 170767 (2023), @2023 1.000
463. Jianhang Shi; Mohindar S. Seehra; Jacob Pfund; Shiqi Yin; Menka Jain "Magnetocaloric properties of TbCrO₃ and TmCrO₃ and their comparison with those of the other RCrO₃ systems (R = Gd, Dy, Ho, and Er)" *J. Appl. Phys.* 134, 103903 (2023), @2023 1.000
464. Jianli Bai, Qingxin Dong, Libo Zhang, Qiaoyu Liu, Jingwen Cheng, Pinyu Liu, Cundong Li, Yingrui Sun, Yu Huang, Zhian Ren and Genfu Chen "Highly anisotropic magnetism and nearly isotropic magnetocaloric effect in Mn₃Sn₂ single crystals" *Chinese Physics Letters*, Vol. 40, Issue (12): 127501 (2023), @2023 1.000
465. Qingwei Wang, Qiong Wu, Huaifu Cheng, Xiang Li, Nengjun Yu, Minxiang Pan, Yundan Yu, Jieyang Fang, Xiukun Hu, Hongliang Ge, Hangfu Yang "Review of the research on oxides in low-temperature magnetic refrigeration" *Journal of the European Ceramic Society*, Volume 43, Issue 15, Pages 6665-6680 (2023), @2023 1.000
217. Chattopadhyay, S, Simone, V, Skumryev, V, Mukhin, A. A., **Dimitrov, D. Z.**, Gospodinov, M, Ressouche, E. Single-crystal neutron diffraction study of hexagonal YbMnO₃ multiferroic under magnetic field. *Phys Rev B*, 98, 2018, ISSN:ISSN:2469-9969, 134413. JCR-IF (Web of Science):3.813
Цитира се в:
466. Jianli Bai, Qingxin Dong, Libo Zhang, Qiaoyu Liu, Jingwen Cheng, Pinyu Liu, Cundong Li, Yingrui Sun, Yu Huang, Zhian Ren and Genfu Chen "Highly anisotropic magnetism and nearly isotropic magnetocaloric effect in Mn₃Sn₂ single crystals" *Chinese Physics Letters*, Vol. 40, Issue (12): 127501 (2023), @2023 1.000
467. V. V. Parkar, V. Jha & S. Kailas "Systematics and mechanisms of α production with weakly and strongly bound projectiles" *The European Physical Journal A* volume 59, Article number: 88 (2023), @2023 1.000
468. ЛЭ Гончарь "Теоретическое исследование магнитно-резонансных спектров псевдоперовскитных фрустрированных манганитов" *Оптика и спектроскопия*, Том: 131, Номер: 4, 502-509 (2023), @2023 1.000
218. **Nedelchev, L.**, **Mateev, G.** Otsetova, A, **Nazarova, D.** **Stoykova, E.** Optimization of deposition of thin photoanisotropic films for holographic data storage. *International Journal "Information Theories and Applications"*, 25, 3, Institute of Information Theories and Applications FOI ITHEA, Bulgaria, 2018, ISSN:1310-0513 (printed); 1313-0463 (online), 245-254
Цитира се в:
469. C.N.H. Minh, S. Petrov, V. Marinova, S.-H. Lin. "Geometric phase device writing on a nematic LC cell by using polarization holography". *Proc. SPIE* (SJR2022: 0.17), Vol. 12682, Photonic Fiber and Crystal Devices: Advances in Materials and Innovations in Device Applications XVII, art. no. 126820F (5 October 2023). <https://doi.org/10.1117/12.2677939>, @2023 [Линк](#) 1.000
470. S. Petrov, N. H. M. Chau, V. Marinova, C. C. Sun, K. Y. Hsu, S. H. Lin. "Controllable LC anchoring on poly{1-[4-(3-carboxy-4-hydroxyphenylazo) benzenesulfonamido]-1, 2-ethanediyl, sodium salt} command surface". *Polymer* (IF2021: 4.432, Q1), 2023, art.no. 125841, ISSN 0032-3861, <https://doi.org/10.1016/j.polymer.2023.125841>., @2023 [Линк](#) 1.000
219. Su Yu Chien, Chiou Chung Chin, **Marinova, V.** Lin Shiuann Huei, Bozhinov, N, Blagoev, B, **Babeva, T.** Hsu Ken Yuh, **Dimitrov, D.** "Atomic layer deposition prepared Al-doped ZnO for liquid crystal displays applications". *Optical and Quantum Electronics (OQEL)*, 50, Springer, 2018, DOI:10.1007/s11082-018-1469-1, 205. ISI IF:1.168
Цитира се в:
471. Kong, D., An, J., Liu, J., Sun, D. "Research progress of aluminum-doped zinc oxide (AZO) transparent conductive films" *Gongneng Cailiao/Journal of Functional Materials*, 54(9), pp. 9059-9069 (2023), @2023 1.000
472. Mian, M.S., Nakano, T. and Okimura, K., "Improvement of the uniformity of structural and electrical properties of transparent conductive Al-doped ZnO thin films by inductively coupled plasma-assisted radio frequency magnetron sputtering". *Thin Solid Films*, 769, p.139752, 2023, @2023 [Линк](#) 1.000
473. Önsal, G. and Kaynar, Ü.H., "Synthesis of doped ZnO nanoparticles and their effect on the dielectric and electro-optical characterization of nematic liquid crystals". *Journal of Electronic Materials*, 52(4), 2569-2579, 2023, @2023 [Линк](#) 1.000

474. Starowicz, Z., Zięba, A., Ostapko, J., Wlazlo, M., Kolodziej, G., Szczërba, M.J., Putynkowski, G. and Socha, R.P., "Synthesis and characterization of Al-doped ZnO and Al/F co-doped ZnO thin films prepared by atomic layer deposition". *Materials Science and Engineering: B*, 292, p.116405, 2023, @2023 [Линк](#) 1.000
475. Zhang, D., Yu, W., Zhang, L. and Hao, X., "Progress in the Synthesis and Application of Transparent Conducting Film of AZO (ZnO: Al)". *Materials*, 16(16), p.5537, 2023, @2023 [Линк](#) 1.000
220. Shrestha, K., **Marinova, V.**, Lorenz, B., Chu, P. "Evidence of 2D Fermi surface due to surface states in Bi₂Te₃ single crystal". *Journal of Physics: Condensed Matter*, 30, IOP Science, 2018, DOI:10.1088/1361-648X/aab6ca, 185601-186608. ISI IF:2.385
- Цитира се е:
476. Ghose, P.K., Dalui, T.K., Mahatha, S.K., Diekmann, F., Rosnagel, K., Majumdar, S., Giri, S. Magneto-electronic coupling to the anomalous lattice expansion in Bi_{1.8}Sb_{0.2}Te₃ crystal (2023) *Journal of Physics and Chemistry of Solids*, 181, art. no. 111553, DOI: 10.1016/j.jpics.2023.111553, @2023 [Линк](#) 1.000
477. Thinh Nguyen "Fermi Surface Studies of the Dirac Type-II Semimetal Candidates (Ni, Zr)Te₂ Using High Field Torque Magnetometry" MS Thesis, West Texas A&M University, Canyon, Texas (2023), @2023 [Линк](#) 1.000
221. **Todorov R.**, Cernskova, E., Knotek, P., Cernosek, Z., Vlasova, M.. Temperature dependence of the optical properties of thin Ge-Se-In films. *Journal of Non-Crystalline Solids*, 498, 2018, ISSN:ISSN: 0022-3093, 415-421. SJR (Scopus):0.722, JCR-IF (Web of Science):2.6
- Цитира се е:
478. Farid, A.S. Glass forming ability and thermal stability parameters of Se₈₅Te₁₅-xSbx chalcogenide glasses. *Journal of Thermal Analysis and Calorimetry*, 148(9), pp. 3179-3187, 2023, @2023 [Линк](#) 1.000
222. **Marinov, G, Strijkova, V, Vasileva, M, Madjarova, V, Malinowski, N, Babeva, T.** Effect of Substrate Temperature on the Microstructural, Morphological, and Optical Properties of Electrospayed ZnO Thin Films. *Advances in Condensed Matter Physics*, 2018, Hindawi, 2018, ISSN:1687-8108, DOI:10.1155/2018/8957507, 8957507. SJR (Scopus):0.289, JCR-IF (Web of Science):0.959
- Цитира се е:
479. Koaib, J., Halidou, I., Kraini, M., Bouguila, N., Vázquez-Vázquez, C., López-Quintela, M.A., Alaya, S. Impact of substrate temperature on structural, morphological and optical properties of In₂S₃ thin films deposited on ITO/glass substrate by spray pyrolysis technique (2023) *Indian Journal of Physics*, 97 (1), pp. 73-84. DOI: 10.1007/s12648-021-02238-3 ISSN: 09731458, @2023 [Линк](#) 1.000
223. **Georgiev, R.**, Christova, D., Todorova, L, **Georgieva, B, Vasileva, M, Novakov, Ch, Babeva, T.** Triblock copolymer micelles as templates for preparation of mesoporous niobia thin films. *Journal of Physics: Conf. Series*, 992, IOP Conf. Series., 2018, DOI:10.1088/1742-6596/99/012037. SJR (Scopus):0.24
- Цитира се е:
480. Sarmento, M.J. and Fernandes, F., "Choosing the Right Fluorescent Probe". In *Fluorescence Spectroscopy and Microscopy in Biology* (pp. 3-51). Cham: Springer International Publishing, 2023, @2023 [Линк](#) 1.000
224. **Lovchinov, K, Marinov, G,** Petrov, M, Tyutyundzhiev, N, **Babeva, T.** Influence of ZnCl₂ concentration on the structural and optical properties of electrochemically deposited nanostructured ZnO. *Applied Surface Science*, 456, Elsevier, 2018, ISSN:0169-4332, DOI:https://doi.org/10.1016/j.apsusc.2018.06.088, 69-74. ISI IF:3.387
- Цитира се е:
481. Chongngam, P. and Tubtimtae, A., "Structural, optical, and electrochemical characteristics of undoped and In³⁺-doped tin antimony sulfide thin films for device applications", *Journal of Materials Science: Materials in Electronics*, 34(1), p.71, 2023, @2023 1.000
225. Nikov, R G, Nedyalkov, N N, Nikov, Ru G, **Karashanova, D B.** Nanosecond laser ablation of Ag-Au films in water for fabrication of nanostructures with tunable optical properties. *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*, 124, 12, SPRINGER HEIDELBERG, TIERGARTENSTRASSE 17, D-69121 HEIDELBERG, GERMANY, 2018, ISSN:0947-8396, DOI:10.1007/s00339-018-2272-3, ISI IF:1.604
- Цитира се е:
482. Siebeneicher, S, Reichenberger, S, Hengst, C, Dornhaus, F, Wittek, B, Barcikowski, S. "Activity and Durability Patterns of 45 Binary Noble Metal Alloy Nanoparticle Variants for Commercial Diesel Exhaust Aftertreatment". *CHEMCATCHEM*, 15 (19), 2023 DOI10.1002/cctc.202300563, @2023 [Линк](#) 1.000
226. Dimitrova, N, Georgieva, J, Sotiropoulos, S, Boiadjieva-Scherzer, TZ, Valova, E, Armyanov, S, Steenhaut, O, Hubin, A, **Karashanova, D.** Pt(Cu) catalyst on TiO₂ powder support prepared by photodeposition-galvanic replacement method. *JOURNAL OF ELECTROANALYTICAL CHEMISTRY*, 823, ELSEVIER SCIENCE SA, PO BOX 564, 1001 LAUSANNE, SWITZERLAND, 2018, ISSN:1572-6657, DOI:10.1016/j.jelechem.2018.07.010, 624-632. ISI IF:3.235
- Цитира се е:
483. Bathla, A, Kukkar, D, Heynderickx, PM, Younis, SA, Kim, KH. "Removal of gaseous formaldehyde by portable photocatalytic air purifier equipped with bimetallic Pt@Cu-TiO₂ filter". *CHEMICAL ENGINEERING JOURNAL*, 469, Article Number 143718, 2023 DOI10.1016/j.cej.2023.143718, @2023 [Линк](#) 1.000

227. Karamanov, A, Kamusheva, A, **Karashanova, D**, Rangelov, B, Avdeev, G. Structure of glass-ceramic from Fe-Ni wastes. MATERIALS LETTERS, 223, ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS, 2018, ISSN:0167-577X, 86-89. ISI IF:2.687

Цитира се в:

484. Gareev, KG. "Diversity of Iron Oxides: Mechanisms of Formation, Physical Properties and Applications". MAGNETOCHEMISTRY, 9 (5), Article Number 119, 2013 DOI10.3390/magnetochemistry9050119, @2023 [Линк](#) 1.000

2019

228. **Mateev, G, Nedelchev, L, Georgiev, A, Nazarova, D**. Improvement of the photoinduced birefringence in azopolymer PAZO doped with TiO₂ nanoparticles via thermal treatment. Open Material Sciences, 5, 1, DE GRUYTER, 2019, ISSN:2544-7300, DOI:10.1515/oms-2019-0001, 19-23

Цитира се в:

485. R. J. Rodríguez-González, A. Ramos-Díaz de León, E. Hernández-Hernández, L. Larios-López, A. Yasser Ruiz-Martínez, I. Felix-Serrano, D. Navarro-Rodríguez. "Enhancement of the photoinduced birefringence and inverse relaxation of a liquid crystal azopolymer by doping with carbon nanostructures". Journal of Photochemistry and Photobiology, A: Chemistry 2023 (IF2021: 5.141, Q2), vol. 435, art. no. 114342 (9 pp). DOI: <https://doi.org/10.1016/j.jphotochem.2022.114342>, @2023 [Линк](#) 1.000

229. **Nazarova, D, Nedelchev, L, Stoykova, E, Blagoeva, B, Mateev, G, Karashanova, D, Georgieva, B, Kostadinova, D**. Photoinduced birefringence in azopolymer doped with Au nanoparticles. Journal of Physics: Conference Series, 1310, Institute of Physics, 2019, ISSN:1742-6588, DOI:10.1088/1742-6596/1310/1/012018, 012018-1-012018-6. SJR (Scopus):0.24

Цитира се в:

486. Tambosco, FL, Révora, C, Volonnino, GF, Goyanes, S, Capeluto, MG, Ledesma, S. "Optimization of azopolymer films for optical memory applications by using ethylene glycol as a free-volume generator". Optica Pura y Aplicada (IF2022: 0.2, Q4), vol. 56, art. no. 51149 (2023). <http://dx.doi.org/10.7149/OPA.56.2.51149>, @2023 [Линк](#) 1.000

230. **Mateev, G, Stoilova, A, Nazarova, D, Nedelchev, L, Todorov, P, Georgieva, S, Trifonova, Y, Lilova, V**. Photoinduced birefringence in PAZO polymer nanocomposite films with embedded particles of biologically active metal complexes. Journal of Chemical Technology and Metallurgy, 54, 6, 2019, ISSN:1314-7471, 1123-1127. SJR (Scopus):0.259

Цитира се в:

487. V. Monfared, H. R. Bakhsheshi-Rad, M. Razzaghi, D. Toghraie, M. Hekmatifar and F. Berto. "A Review Study for Creep in Different Nanocomposites". Metals and Materials International (IF2021: 3.451, Q2), 2023. DOI: <https://doi.org/10.1007/s12540-023-01405-x>, @2023 [Линк](#) 1.000

231. **Ivanov, D, Genova-Hristova, Ts, Borisova, E, Nedelchev, L, Nazarova, D**. Multiwavelength polarimetry of gastrointestinal ex vivo tissues for tumor diagnostic improvement. Proceedings of SPIE, 11047, SPIE, 2019, ISSN:0277-786X, DOI:10.1117/12.2516645, 1104707-1-1104707-8. SJR:0.25

Цитира се в:

488. Efrén Ulloa-Peña, Luis Muñoz-Flores, Oscar Rodríguez Herrera, Martha Rosete-Aguilar, and Neil Bruce. "Polarimetric measurement of non-depolarizing optical systems". Applied Optics (IF2022: 1.9, Q3; Scopus: Q2), Vol. 62, Issue 31, pp. 8357-8365, 2023. <https://doi.org/10.1364/AO.497824>, @2023 [Линк](#) 1.000
489. Eusebio Aguilar Fernandez. "Development of a Stokes polarimeter employing three wavelengths simultaneously". Thesis for the degree "Doctor en ingeniería", Universidad Nacional Autonomia de Mexico, September 2023., @2023 [Линк](#) 1.000
490. M. Sakamoto, Y. Ono, K. Noda, T. Sasaki, N. Kawatsuki, M. Tanaka, H. Ono. "Exploring the influence of wavelength and polarization of illuminating light on polarization imaging for birefringent objects concealed behind scattering structure". Optics Communications (IF2022: 2.4, Q3), ISSN 0030-4018, Volume 552, art. no. 130118. <https://doi.org/10.1016/j.optcom.2023.130118>., @2023 [Линк](#) 1.000
491. Makkithaya, K.N. et al. (2023). Machine Learning in Tissue Polarimetry. In: Mazumder, N., Kistenev, Y.V., Prasada K., S. (eds) Optical Polarimetric Modalities for Biomedical Research. Biological and Medical Physics, Biomedical Engineering. Springer, Cham. https://doi.org/10.1007/978-3-031-31852-8_14, @2023 [Линк](#) 1.000

232. Atanasova, G., Dikovska, A. Og., Dilova, T., **Georgieva, B.**, Avdeev, G. V., Nedialkov, N. N.. Metal-oxide nanostructures produced by PLD in open air for gas sensor applications. Applied Surface Science, 470, Elsevier, 2019, ISSN:0169-4332, 861-869. JCR-IF (Web of Science):5.155

Цитира се в:

492. Filipescu, Mihaela, Stefan Dobrescu, Adrian Ionut Bercea, Anca Florina Bonciu, Valentina Marascu, Simona Brajnicov, and Alexandra Palla-Papavlu. 2024. "Polypyrrole–Tungsten Oxide Nanocomposite Fabrication through Laser-Based Techniques for an Ammonia Sensor: Achieving Room Temperature Operation" Polymers 16, no. 1: 79. <https://doi.org/10.3390/polym16010079>, @2023 [Линк](#) 1.000
493. Guodong Wu, Haishun Du, Kiandokht Pakravan, Wonhyeong Kim, Yoo Lim Cha, Majid Beidaghi, Xinyu Zhang, Xuejun Pan, Dong-Joo Kim. 2023, 118565, @2023 [Линк](#) 1.000
"Wearable room-temperature ethanol sensor based on Ti3C₂Tx/Polypyrrole functionalized face mask for drunk driving monitoring". Carbon, 2023, 118565, @2023 [Линк](#)

494. Guodong Wu, Haishun Du, Kiandokht Pakravan, Wonhyeong Kim, Yoo Lim Cha, Shang-Tung Chiang, Majid Beidaghi, Xinyu Zhang, Sun Hee Kim, Xuejun Pan, Dong-Joo Kim. "Polyaniline/Ti3C2Tx functionalized mask sensors for monitoring of CO2 and human respiration rate". *Chemical Engineering Journal*, Volume 475, 2023, 146228, @2023 [Линк](#) 1.000
495. Ikram M, Hassan J, Ul-Hamid A, Ali S. "Eco-Friendly Dye Degradation Approaches for Doped Metal Oxides". (Emerging Materials and Technologies) - *Advanced Materials for Wastewater Treatment and Desalination Fundamentals to Application*. DOI: 10.1201/9781003167327., @2023 [Линк](#) 1.000
496. Juan Manuel Conde Garrido, Josefina María Silveyra. "A review of typical PLD arrangements: Challenges, awareness, and solutions". *Optics and Lasers in Engineering*, Volume 168, 2023, 107677, ISSN 0143-8166, <https://doi.org/10.1016/j.optlaseng.2023.107677>., @2023 [Линк](#) 1.000
497. Kamran Syed, Nikša Krstulović, Juan Casanova-Cháfer, Eduard Lobet, Frank Güell, Paulina R. Martínez-Alanis, Marijan Marciuš, Ekaterina Shagieva, Davor Ristić, Hrvoje Gebavi, Nikola Baran, Mile Ivanda. "The role of the pulsed laser deposition in different growth atmospheres on the gas-sensing properties of ZnO films". *Sensors and Actuators B: Chemical* Available online 1 February 2023, 133454 <https://doi.org/10.1016/j.snb.2023.133454>, @2023 [Линк](#) 1.000
498. Kuśmierczyk, F., Cieniek, Ł., Kopia, A. et al. "Development and Characterization of Multilayered Cu/HA/ZnS + PEEK Coating System by Hybrid Technology". *Metall Mater Trans A* (2023), @2023 [Линк](#) 1.000
499. Mohsen Bonjakhi, Mohammad Hossein Mahdih. "The Effects of Thermal Annealing and Postirradiation on Silver Nanoparticle Films Fabricated by Pulsed Laser Deposition in the Flowless Open Air". *Phys. Status Solidi A* 2300307. <https://doi.org/10.1002/pssa.202300307>, @2023 [Линк](#) 1.000
500. Winda Devina, Iyan Subiyanto, Dao Thi Dung, Seong Ok Han, Hyung Chul Yoon, Do Van Lam, Seung-Mo Lee, Hyunuk Kim. "Rapid synthesis of nanomaterials by solvent-free laser irradiation for energy storage and conversion". *Chem. Phys. Rev.* 4, 041308 (2023), @2023 [Линк](#) 1.000
501. Young-Hoon Kim, Seong-Gon Kim, Seunghun Lee, Miyeon Cheon, Su Jae Kim, Kideuk Nam, Bipin Lamichhane, Sung Heum Park, Min-Hyoung Jung, Ji-Soo Kim, Yu-Seong Seo, Taewoo Ha, Jungseek Hwang, Hu Young Jeong, Yusil Lee, Young Hee Lee, Young-Min Kim, Se-Young Jeong. "Self-Oxidation Resistance of the Curved Surface of Achromatic Copper". *Adv. Mater.*2023, 2210564 DOI: 10.1002/adma.202210564, @2023 [Линк](#) 1.000

233. **Angelova, S.** Complexation of IA and IIA group metal ions by N-phenylaza-15-crown-5 containing Schiff bases: A DFT study. *Inorganica Chimica Acta*, 487, Elsevier, 2019, DOI:<https://doi.org/10.1016/j.ica.2018.12.041>, 316-321. *SJR (Scopus):0.46, JCR-IF (Web of Science):2.433 (x)*

Цитира се е:

502. Xing, H., Meng, Q., Yang, L., Chen, C. and Liu, H., Quantum chemistry insight into the interactions of 1, 3-diisopropoxycalix [4] arenecrown-6 with alkali metal cations: Structure, selectivity, and solvation. *Journal of Molecular Liquids*, 370, p.121054., @2023 [Линк](#) 1.000

234. **Nedelchev, L, Ivanov, D, Blagoeva, B, Nazarova, D.** Optical anisotropy induced at five different wavelengths in azopolymer thin films: Kinetics and spectral dependence. *Journal of Photochemistry and Photobiology A: Chemistry*, 376, Elsevier, 2019, ISSN:1010-6030, DOI:10.1016/j.jphotochem.2019.02.009, 1-6. *SJR (Scopus):0.66, JCR-IF (Web of Science):3.261*

Цитира се е:

503. CAZAC Veronica, "Development of digital holographic microscope for the investigation of diffractive optical elements recorded on chalcogenide glasses and azopolymer thin films", Doctoral Thesis in Physics, STATE UNIVERSITY OF MOLDOVA, DOCTORAL SCHOOL OF NATURE SCIENCES, @2023 [Линк](#) 1.000

504. S. Petrov, N. H. M. Chau, V. Marinova, C. C. Sun, K. Y. Hsu, S. H. Lin. "Controllable LC anchoring on poly{1-[4-(3-carboxy-4-hydroxyphenylazo) benzenesulfonamido]-1, 2-ethanediyl, sodium salt} command surface". *Polymer* (IF2021: 4.432, Q1), 2023, art.no. 125841, ISSN 0032-3861, <https://doi.org/10.1016/j.polymer.2023.125841>., @2023 [Линк](#) 1.000

235. **Kandinska, M., Kitova, S., Videva, V., Stoyanov, S., Yordanova, S., Balushev, S., Angelova, S., Vasilev, A.** Precious metal-free molecular machines for solar thermal energy storage. *Beilstein Journal of Organic Chemistry*, 15, Beilstein-Institut, 2019, ISSN:1860-5397, DOI:10.3762/bjoc.15.106, 1096-1106. *SJR (Scopus):0.82, JCR-IF (Web of Science):2.595*

Цитира се е:

505. Veena, V.P., Arun, K., Shilpa, C.K., Jasira, S.V. and Nissamudeen, K.M., 2023. Photoluminescence upgradation of La2MgTiO6: 2% Dy3+ perovskite with monovalent (Li+), divalent (Ba2+, Sr2+) and trivalent (Bi3+, Sm3+) cation sensitization. *Journal of Rare Earths.*, @2023 [Линк](#) 1.000

506. Xu, X., Feng, J., Li, W.Y., Wang, G., Feng, W. and Yu, H., 2023. Azobenzene-Containing Polymer for Solar Thermal Energy Storage and Release: Advances, Challenges, and Opportunities. *Progress in Polymer Science*, p.101782., @2023 [Линк](#) 1.000

236. **Chiou, Chung Chin, Hsu, Fan Hsi, Petrov, S., Marinova, V., Dikov, H., Vitanov, P., Dimitrov, D., Hsu, Ken Yuh, Lin, Yi Hsin, Lin, Shiuian Huei.** Flexible light valves using polymer-dispersed liquid crystals and TiO2/Ag/TiO2 multilayers. *Opt. Express*, 27, 12, 2019, 16911-16921. *JCR-IF (Web of Science):3.561*

Цитира се е:

507. Ali Saleh Alkadem Idriss, Nik Noor Ashikin Nik Ab Razak, Naser M. Ahmed, Youssef Aboubaker Abdulla "Thermoluminescence properties of TiO2/Cu/TiO2 multilayer thin films fabricated by (RF/DC) sputtering for radiation dosimetry" *Journal of Luminescence*, Volume 260, 119886 (2023), @2023 1.000

508. C.C. Wang, B.L. Zhu, C.H. Yi, H.X. Chen, H. Peng, J.H. Yin, J. Wu & H.Z. Gu "Effects of diluents and Ag nanowires on the electrical-optical properties of polymer dispersed liquid crystal films based on aromatic polyurethane acrylate" *Liquid Crystals* 50, 5, 853–871 (2023), @2023 1.000

509. Zongcheng Miao, Jiasong Zheng, Yaqin Chu, Haiyan Yang, Jianjing Gao, Dong Wang & Lei Wang "Preparation of reverse mode polymer dispersion liquid crystals with vertically oriented layers and the electro-optical properties" *Liquid Crystals* 50, 5, 819-832 (2023), @2023 1.000
237. Nikolova, V., Kirkova, C., **Angelova, S.**, Dudev, T.. Host-guest interactions between p-sulfonatocalix[4]arene and p-sulfonatothiacalix[4]arene and group IA, IIA and f-block metal cations: a DFT/SMD study. *Beilstein Journal of Organic Chemistry*, 15, Beilstein-Institut, 2019, ISSN:1860-5397, DOI:10.3762/bjoc.15.131, 1321-1330. SJR (Scopus):0.82, JCR-IF (Web of Science):2.595 (x)
- Цитира се в:
510. Chaurasiya, S., Solanki, R., Athar, M., Jangid, A., C Jha, P., Patel, S., Pooja, D. and Kulhari, D.H., Experimental and Computational Characterisation of p-Sulfocalix [4] Arene Mediated Delivery System for Morin Hydrate., @2023 [Линк](#) 1.000
511. Lan, W., Wang, X., Liu, T. and Nie, C., Coordination binding of hydroxycalix [4] arene, hydroxycalix [5] arene, and hydroxycalix [6] arene to uranyl and thorium ions. *Applied Organometallic Chemistry*, 37(8), p.e7168., @2023 [Линк](#) 1.000
238. Pereva, S., Nikolova, V., **Angelova, S.**, Spassov, T., Dudev, T.. Water inside β -cyclodextrin cavity: amount, stability and mechanism of binding. *Beilstein Journal of Organic Chemistry*, 15, Beilstein-Institut, 2019, ISSN:1860-5397, DOI:10.3762/bjoc.15.163, 1592-1600. SJR (Scopus):0.82, JCR-IF (Web of Science):2.595 (x)
- Цитира се в:
512. Alonso, L., Calvo, M.V. and Fontecha, J., Reduction of Beta Cyclodextrin by Curd Washing in Low-Cholesterol Manchego Cheese. *Molecules*, 28(12), p.4709., @2023 [Линк](#) 1.000
513. Chen, B., Chen, S., Wen, M., Zhu, J. and Tong, S., 2023. Investigation of three Sulfobutylether- β -cyclodextrin bonded magnetic nanoparticles in enantioselective Liquid-Liquid extraction. *Journal of Molecular Liquids*, 391, p.123362., @2023 [Линк](#) 1.000
514. Goyal, N., Amar, A., Gulati, S. and Varma, R.S., Cyclodextrin-Based Nanosponges as an Environmentally Sustainable Solution for Water Treatment: A Review. *ACS Applied Nano Materials*, 6(15), pp.13766-13791., @2023 [Линк](#) 1.000
515. Ibrahim, I.N.I.B. and Asman, S.B., 2023. Encapsulation of Clitoria Ternatea/ β Cyclodextrin. *Enhanced Knowledge in Sciences and Technology*, 3(2), pp.432-441., @2023 [Линк](#) 1.000
516. Kou, X., Zhang, Y., Su, D., Wang, H., Huang, X., Niu, Y., Ke, Q., Xiao, Z. and Meng, Q., Study on host-guest interaction of aroma compounds/ γ -cyclodextrin inclusion complexes. *LWT*, 178, p.114589., @2023 [Линк](#) 1.000
517. Li, N., Feng, B., Bi, Y., Kong, F., Wang, Z. and Tan, S., Sulfobutyl ether cyclodextrin inclusion complexes containing tea polyphenols: preparation, characterization, antioxidant activity, α -glucosidase inhibition, and in vitro release property. *Journal of Molecular Structure*, p.136686., @2023 [Линк](#) 1.000
518. Mazurek, A.H., Szeleszczuk, Ł., Bethanis, K., Christoforides, E., Dudek, M.K., Zielińska-Pisklak, M. and Pisklak, D.M., 17- β -Estradiol- β -Cyclodextrin Complex as Solid: Synthesis, Structural and Physicochemical Characterization. *Molecules*, 28(9), p.3747, @2023 [Линк](#) 1.000
519. Muñoz-Espinoza, J. and Barriga, G., 2023. ANTIOXIDANT CAPACITY OF CARBOLINE INCLUSION COMPLEXES WITH $m\beta$ CD y β CD. *Journal of the Chilean Chemical Society*, 68(2), pp.5857-5864., @2023 [Линк](#) 1.000
520. Muñoz-Espinoza, J. and Barriga, G., ANTIOXIDANT CAPACITY OF CARBOLINE INCLUSION COMPLEXES WITH $m\beta$ CD y β CD. *Journal of the Chilean Chemical Society*, 68(2), pp.5857-5864., @2023 [Линк](#) 1.000
521. Park, Y., Banerjee, D., Jin, S.A., Li, S., Beck, S., Purser, L. and Ford, E., Organophosphate-Cyclodextrin Inclusion Complex for Flame Retardancy in Doped Cellulose Acetate Butyrate Melt-Spun Fibers. *Industrial & Engineering Chemistry Research*, 62(29), pp.11595-11605., @2023 [Линк](#) 1.000
522. Poudel, H., RanguMagar, A.B., Singh, P., Oluremi, A., Ali, N., Watanabe, F., Batta-Mpouma, J., Kim, J.W., Ghosh, A. and Ghosh, A., 2023. Guar-Based Injectable Hydrogel for Drug Delivery and In Vitro Bone Cell Growth. *Bioengineering*, 10(9), p.1088., @2023 [Линк](#) 1.000
523. Qiong, S.U., Min, R.E.N., Yan-bin, W.A.N.G. and Jun-xi, L.I.A.N.G., 2023. Research progress on the host-guest recognition and antibacterial performance of β -cyclodextrin with antibacterial agents. *NATURAL PRODUCT RESEARCH AND DEVELOPMENT*, 35(2), p.353., @2023 [Линк](#) 1.000
524. Tran, C.T.H., Nargotra, P., Pham, H.T.C., Lieu, D.M., Huynh, P.K., Wang, H.M.D., Dong, C.D. and Kuo, C.H., The effect of carboxymethyl cellulose and β -cyclodextrin as debittering agents on bitterness and physicochemical properties of bitter melon extract. *Journal of Food Science and Technology*, 60(5), pp.1521-1529., @2023 [Линк](#) 1.000
525. Varalakshmi, G.S., Pawar, C.S., Selvam, R., Pearl, W.G., Manikantan, V., Pillai, A.S., Alexander, A., Prasad, N.R. and Enoch, I.V., Magnetic and photothermally active iron sulfide nanocarriers: Enhanced in vitro activity of dysprosium-doped material. *Inorganic Chemistry Communications*, 156, p.111159., @2023 [Линк](#) 1.000
526. Zagni, C., Coco, A., Mecca, T., Curcuruto, G., Patamia, V., Mangano, K., Rescifina, A. and Carroccio, S.C., Sponge-like macroporous cyclodextrin-based cryogels for controlled drug delivery. *Mater. Chem. Front.*, 2023, 7, 2693-2705, @2023 [Линк](#) 1.000
239. Marinov, Y., Hadjichristov, G, Rafailov, P, Lin, S, **Marinova , V.**, Petrov, A. "Optical, electro-optical, electrical and dielectric characterization of nematic liquid crystal (E7) layers doped with graphene nanoparticles for electro-optics". *IOP Conf. Series: Journal of Physics: Conf. Series*, 1186, IOP, 2019, DOI:10.1088/1742-6596/1186/1/012031, 012031-012036. SJR (Scopus):0.221
- Цитира се в:
527. Baibarac, M., Zgura, I., Ganea, C.P., Frunza, L. "Surface species of the nematic mixture E7 obtained by electrochemical insertion of Li+ ions" *Eur. Phys. J. E* 46, 26 (2023), @2023 [Линк](#) 1.000

528. Ligia Frunza, Irina Zgura, Constantin Paul Ganea, Valery A. Loiko & Doina Manaila-Maximean "Surface species of nematic mixture E7 in hard confinement: spectroscopic investigations cannot distinguish among the E7 components interacting with the support surface" *Liquid Crystals*, 50:7-10, 1169-1176 (2023), @2023 [Линк](#) 1.000
240. Milenov, T, Dikovska, A, Avdeev, G, Avramova, I, Kirilov, K, **Karashanova, D**, Tersiyaska, P, **Georgieva, B**, Arnaudov, B, Kolev, S, Valcheva, E. Pulsed laser deposition of thin carbon films on SiO₂/Si substrates. *Applied Surface Science*, 480, Elsevier, 2019, ISSN:0169-4332, 323-329. JCR-IF (Web of Science):5.155
Цитира се е:
529. Gaudio, R. "Pulsed Laser Deposition of Carbon-Based Materials: A Focused Review of Methods and Results." *Processes* 2023, 11(8), 2373; 1.000 <https://doi.org/10.3390/pr11082373>, @2023 [Линк](#)
530. Liu, Z, Chen, M, Huang, H, Hu, S, Guo, C, Liu, H, Xu, Z, Zhao, G, Hua, W, Han, K. "Investigation of thermodynamic properties in picosecond laser-produced plasmas on silicon". *AIP Advances* 13, 095002 (2023), @2023 [Линк](#) 1.000
531. WANG, A, HUANG, Z, HUANG, W, ZHANG, Q, LIU, C, WANG, Z, WANG, K, LIU, S. "Influence of Silicon Oxide Layer Thickness on Electronic State Structure and Optical Properties of Si/SiO₂ Interface". *Acta Photonica Sinica*, 2023, 52(1): 0116001, @2023 [Линк](#) 1.000
241. **Dyankov G.**, Eftimov T., **Malinovski N.**, **Belina. E.**, **Kisov H.**, Mikulic P., Bock W.. Highly Efficient Biosensor based on MAPLE Deposited Hemoglobin on LPGs Around Phase Matching Turning Point. *Optics and Laser Technology*, Elsevier, 2019, SJR (Scopus):0.775, JCR-IF (Web of Science):3.41
Цитира се е:
532. Cai, Jintao, Yulei Liu, and Xuewen Shu. "Long-Period Fiber Grating Sensors for Chemical and Biomedical Applications." *Sensors* 23.1 (2023): 542, @2023 1.000
242. **Stoykova, E.**, **Nazarova, D.**, Oh, K.-J., Park, G.. Dynamic speckle analysis at low contrast of recorded patterns. *Proceedings SPIE*, 11338, SPIE, 2019, DOI:<https://doi.org/10.1117/12.2547859>, 11338O. SJR (Scopus):0.238
Цитира се е:
533. Xu, R., Liu, R., Peng, Y., Guo, D., Wang, W., & Qiu, S. (2023, April). P-15.4: Dynamic Measuring Method of Speckle Contrast. In *SID Symposium Digest of Technical Papers* (Vol. 54, pp. 960-966)., @2023 [Линк](#) 1.000
243. **Stoykova, E.**, **Mateev, G.**, **Blagoeva, B.**, **Ivanov, B.**, **Nazarova, D.**, **Nedelchev, L.**. Dynamic speckle analysis with two-wavelength acquisition. *Proceedings SPIE*, 11338, SPIE, 2019, ISSN:0277-786X, DOI:<https://doi.org/10.1117/12.2548141>, 113383M-1-113383M-6. SJR (Scopus):0.238
Цитира се е:
534. L. Buffarini, H. J. Rabal, N. L. Cap, E.E. Grumel, M. Trivi, M. Tebaldi. "Reading hidden writing and drawings on papyrus using speckle optical technique and multispectral images". March 2023 (preprint), @2023 [Линк](#) 1.000
244. Ivanov, D, Ossikovski, R, Novikova, T, Li, P, Borisova, E, Genova, Ts, **Nedelchev, L**, **Nazarova, D**. Tissue polarimetric study I: In search of reference parameters and depolarizing Mueller matrix model of ex vivo colon samples. *Proceedings of SPIE*, 11075, SPIE, 2019, ISSN:0277-786X, DOI:10.1117/12.2526594, 1107514-1-1107514-7. SJR:0.24
Цитира се е:
535. Makkithaya, K.N. et al. (2023). Machine Learning in Tissue Polarimetry. In: Mazumder, N., Kistenev, Y.V., Prasada K., S. (eds) *Optical Polarimetric Modalities for Biomedical Research*. Biological and Medical Physics, Biomedical Engineering. Springer, Cham. https://doi.org/10.1007/978-3-031-31852-8_14, @2023 [Линк](#) 1.000
245. Yantcheva, N S, **Karashanova, D B**, **Georgieva, B C**, Vasileva, I N, Stoyanova, A S, Denev, P N, Dinkova, R H, Ognyanov, M H, Slavov, A M. Characterization and application of spent brewer's yeast for silver nanoparticles synthesis. *BULGARIAN CHEMICAL COMMUNICATIONS*, 51, Bulgarian Academy of Sciences, 2019, ISSN:0861-9808, 173-177. SJR (Scopus):0.137
Цитира се е:
536. Atif Khurshid Wani, Farida Rahayu, Ita Yustina, Gatot Suharto Abdul Fatah, I Ketut Kariada, Sri Satya Antarlina, Akhmad Jufri, Dicky Pamungkas. "Contribution of yeast and its biomass for the preparation of industrially essential materials: A boon to circular economy". *Bioresource Technology Reports*, Volume 23, 2023, @2023 [Линк](#) 1.000
537. Zeko-Pivač, Anđela, Kristina Habschied, Biljana Kulisic, Ingo Barkow, and Marina Tišma. 2023. "Valorization of Spent Brewer's Yeast for the Production of High-Value Products, Materials, and Biofuels and Environmental Application" *Fermentation* 9, no. 3: 208. <https://doi.org/10.3390/fermentation9030208>, @2023 [Линк](#) 1.000
246. **Lazarova, K.**, Christova, D, **Georgiev, R**, **Georgieva, B**, **Babeva, T.**. Optical Sensing of Humidity Using Polymer Top-Covered Bragg Stacks and Polymer/Metal Thin Film Structures. *Nanomaterials*, 9, MDPI, 2019, ISSN:20794991, DOI:10.3390/nano9060875, 875. JCR-IF (Web of Science):4.034
Цитира се е:
538. Kashem, M.N.H., Gardner, K., Momota, M.R., Morshed, B.I. and Li, W., "Deciphering the correlation between color response, temperature, and relative humidity in a photo-patternable polymeric nanofilm for tunable multimodal display". *Chemical Engineering Journal*, 463, p.142333, 2023, @2023 [Линк](#) 1.000

539. Sgibnev, Y., Tananaev, P., Shelaev, A., Yankovskii, G. and Baryshev, A., "Relative Humidity Optical Sensor Based on Self-Assembled Gold Nanoparticles Covered with Nafion", *Photonics*, 10 (9), p. 975, 2023, @2023 [Линк](#) 1.000
247. Unsalan, O, Jenniskens, P, Yin, Q, Kaygisiz, E, Albers, J, Clark, D L, Granvik, M, Demirkol, I, Erdogan, I Y, Bengu, A S, Ozel, M E, Terzioglu, Z, Gi, N, Brown, P, Yalcinkaya, E, Temel, T, Prabhu, D K, Robertson, D K, Boslough, M, Ostrowski, D R, Kimberley, J, Er, S, Rowland, D J, Bryson, K L, Altunayar-Unsalan, C, Rangelov, B, Karamanov, A, Tatchev, D, Kocahan, O, Oshtrakh, M I, Maksimova, A A, Karabanalov, M S, Verosub, K L, Levin, E, Uysal, I, Hoffmann, V, Hiroi, T, Reddy, V, Ildiz, G O, Bolukbasi, O, Zolensky, M E, Hochleitner, R, Kaliwoda, M, Ongen, S, Fausto, R, Nogueira, B A, Chukin, A V, **Karashanova, D**, Semionkin, V A, Yesiltas, M, Glotch, T, Yilmaz, A, Friedrich, J M, Sanborn, M E, Huyskens, M, Ziegler, K, Williams, C D, Schoenbaechler, M, Bauer, K, Meier, M M M, Maden, C, Busemann, H, Welten, K C, Caffee, M W, Laubenstein, M, Zhou, Q, Li, Q-L, Li, X-H, Liu, Y, Tang, G-Q, Sears, D W G, Mclain, H L, Dworkin, J P, Elsil, J E, Glavin, D P, Schmitt-Kopplin, P, Ruf, A, Le Corre, L, Schmedemann, N. The Saricicek howardite fall in Turkey: Source crater of HED meteorites on Vesta and impact risk of Vestoids. *METEORITICS & PLANETARY SCIENCE*, 54, 5, Wiley, 2019, ISSN:1086-9379, DOI:10.1111/maps.13258, 953-1008. JCR-IF (Web of Science):2.318
- Цитупа се е:
540. Andrade, M, Docobo, JÁ, García-Guinea, J, Campo, PP, Tapia, M, Sánchez-Muñoz, L, Villasante-Marcos, V, Peña-Asensio, E, Trigo-Rodríguez, JM, Ibáñez-Insa, J, Campeny, M, Llorca, J. "The Traspenna meteorite: heliocentric orbit, atmospheric trajectory, strewn field, and petrography of a new L5 ordinary chondrite". *Monthly Notices of the Royal Astronomical Society*, 518 (3), 3850 - 3876, 2023 DOI10.1093/mnras/stac2911, @2023 [Линк](#) 0.253
541. Johnston, CO, Stern, EC. "Assessment of meteoroid pre-atmospheric diameter from brightness measurements prior to fragmentation". *ICARUS*, 408, Article Number 115807, 2023 DOI10.1016/j.icarus.2023.115807, @2023 [Линк](#) 0.253
542. Oszkiewicz, D, Troianskyi, V, Galád, A, Hanuš, J, Ďurech, J, Wilawer, E, Marciniak, A, Kwiatkowski, T, Koleńczuk, P, Skiff, BA, Polakis, T, Moskovitz, NA. "Spins and shapes of basaltic asteroids and the missing mantle problem". *Icarus*, 397, Article number 115520, 2023 DOI10.1016/j.icarus.2023.115520, @2023 [Линк](#) 0.253
543. Peña-Asensio, E, Visuri, J, Trigo-Rodríguez, JM, Socas-Navarro, H, Gritsevich, M, Siljama, M, Rimola, A. "Oort cloud perturbations as a source of hyperbolic Earth impactors". *ICARUS*, 408, Article Number 115844, 2023 DOI10.1016/j.icarus.2023.115844, @2023 [Линк](#) 0.253
544. Scott, JM, Negrini, M, Faure, K, Palmer, M, Knaack, DR, Leybourne, MI. "Multi-zone fusion crust formation and classification of the 2004 Auckland meteorite (L6, S5, and W0)". *Meteoritics and Planetary Science*, 58 (3), 328 - 340, 2023 DOI10.1111/maps.13955, @2023 [Линк](#) 0.253
545. Shisseh, T, Chennaoui AH, Barrat, JA, Zanda B, Hewins, RH, Agee, CB, Folco, L, Jacquet, E, Pont, S. Fluid-assisted metasomatic processes on planetary bodies: Evidence from vestan lithologies. *Geochimica et Cosmochimica Acta*, Volume 340, Pages 51 - 641., @2023 [Линк](#) 0.253
546. Wang, SJ, Li, SJ, Lin, YT, Sheng, SZ. "Mass-dependent nickel isotopic variations in achondrites and lunar rocks". *GEOCHIMICA ET COSMOCHIMICA ACTA*, 350, 16-27, 2023 DOI10.1016/j.gca.2023.04.004, @2023 [Линк](#) 0.253
248. Koleva, M, Nedyalkov, N, **Karashanovab, D**, Atanasova, G., Stepanov, A. Modification of plasmon resonance properties of noble metal nanoparticles inside the glass matrices. *Applied Surface Science*, 475, 2019, 974-981. JCR-IF (Web of Science):4.439
- Цитупа се е:
547. Ntemogiannis, D, Floropoulos, P, Karoutsos, V, Grammatikopoulos, S, Pouloupoulos, P, Alexandropoulos, D. "Plasmonic Nanostructuring by Means of Industrial-Friendly Laser Techniques". *PHOTONICS*, 10 (4), Article Number 384 DOI10.3390/photronics10040384, @2023 [Линк](#) 1.000
249. **Marinov, G, Lovchinov, K, Madjarova, V, Strijkova, V, Vasileva, M, Malinowski, N, Babeva, T.** Aluminum-doped zinc oxide thin films deposited by electrospray method. *Optical Materials*, 89, 2019, ISSN:0925-3467, DOI:https://doi.org/10.1016/j.optmat.2019.01.055, 390-395. SJR (Scopus):0.59, JCR-IF (Web of Science):2.32
- Цитупа се е:
548. Abdulzahra, N.Z. "Non-Distractive Testing and Alloying by Nanosecond Nd: Yag Laser Technique as Alternative Method to Find Nano -ZnO/Al Different Properties", *Lasers in Manufacturing and Materials Processing*, 10 (3), pp. 522-547, 2023, @2023 [Линк](#) 1.000
549. Rajan, C., Pasupathy, N., Murugesan, R., Gobinath, J. Enhanced Acetone Gas Sensing Properties of Al-Doped ZnO Thin Films Developed by Sol-Gel Dip Coating Method (2023) *Asian Journal of Chemistry*, 35 (9), pp. 2197-2202. DOI: 10.14233/ajchem.2023.28123 ISSN: 09707077, @2023 [Линк](#) 1.000
550. Ullah, Z., Qureshi, M.T., Sultana, K., Ullah, F., Khalid, A., Masood, N., Abdella, F.I.A., Elhag, S.A., "Al-ions effect on structural, optical, antibacterial, and photocatalytic activities of ZnO nanostructures", *Digest Journal of Nanomaterials and Biostructures*, 18 (3), pp. 995-1006., 2023, @2023 [Линк](#) 1.000
250. **Marinova, V**, Shiuian Huei Lin, Stefan Petrov, Ming Syuan Chen, Yi Hsin Lin, Ken Yuh Hsu. Graphene-based spatial light modulator operating at near infrared spectral range. *Applied Surface Science*, 472, Elsevier, 2019, DOI:https://doi.org/10.1016/j.apsusc.2018.09.150, 2-9. JCR-IF (Web of Science):5.155
- Цитупа се е:
551. Malhotra, B.D., Nara, S. Graphene Based Biomolecular Electronic Devices (2023) *Graphene Based Biomolecular Electronic Devices*, pp. 1- 251. DOI: 10.1016/C2019-0-01909-7, @2023 [Линк](#) 1.000
251. **Stoilova, A, Georgiev, A, Nedelchev, L, Nazarova, D, Dimov, D.** Structure-property relationship and photoinduced birefringence of the azo and azo-azomethine dyes thin films in PMMA matrix. *Optical Materials*, 87, Elsevier, 2019, DOI:10.1016/j.optmat.2018.07.010, 16-23. JCR-IF (Web of Science):2.687

Цитира се е:

552. Ovdenko, V., Vyshnevsky, D., Davidenko, N., Gryshchuk, L., Pavlov, V. "Synthesis, characterization, spectral properties and evaluation of the photophysical behavior of novel Congo Red based polymers". *Optical Materials*. 135, 113268, 2023, @2023 [Линк](#) 1.000
553. S.A. Al-Zahrani, M.T. Khan, V. Jevtic, N. Masood, Y.A. Jeilani, H.A. Ahmed, F.M. Alfaidi. "Liquid Crystalline Mixtures with Induced Polymorphic Smectic Phases Targeted for Energy Investigations". *Crystals* (IF2021: 2.67, Q2), vol. 13, art. no. 645 (15 pp), 2023. <https://doi.org/10.3390/cryst13040645>, @2023 [Линк](#) 1.000
554. V. Jevtic, H.A. Ahmed, M.T. Khan, S.A. Al-Zahrani, N. Masood, Y.A. Jeilani. "Preparation of Laterally Chloro-Substituted Schiff Base Ester Liquid Crystals: Mesomorphic and Optical Properties". *Crystals* (IF2021: 2.67, Q2) 2023, vol. 13, art. no. 835. <https://doi.org/10.3390/cryst13050835>, @2023 [Линк](#) 1.000
555. V. M. Ovdenko, D. O. Komarenko, S. O. Lisniak, A. V. Ronkovych, V. V. Multian, V. Ya. Gayvoronsky. "The substituent effect on CW laser beam self-action manifestation under UV irradiation of azo-azomethine PMMA composites thin films". *Optical Materials* ISSN 0925-3467 (IF2021: 3.754, Q2), vol. 138, art. no. 113735 (2023). DOI: <https://doi.org/10.1016/j.optmat.2023.113735>, @2023 [Линк](#) 1.000
556. Y. Gao, J. Y. Ho, S.-T. Tang, W. Zhang, M. Tseng, O. Vashchenko, V. Vashchenko, F. Yeung, H.-S. Kwok. "Measurement of azo dye film with large photo-induced birefringence and complex refractive index". *AIP Advances* (IF2021: 1.697, Q3) 1 May 2023, vol. 13 (5), art. no. 055006. <https://doi.org/10.1063/5.0149433>, @2023 [Линк](#) 1.000
557. Yu. Kurioz, I. Tkachenko, A. Kovalchuk, Ya. Kobzar, O. Shekera, R. Kravchuk, V. Nazarenko and V. Shevchenko. "Fluorinated Oligoazomethine with Azo Groups in the Main Chain as Stimuli-Responsive Photoactive Materials". In: Fesenko, O., Yatsenko, L. (eds) *Nanooptics and Photonics, Nanochemistry and Nanobiotechnology, and Their Applications*, Springer Proceedings in Physics, vol 280, ISBN: 978-3-031-18104-7, 01 March 2023, pp. 333-346. DOI: https://doi.org/10.1007/978-3-031-18104-7_23, @2023 [Линк](#) 1.000
252. **Georgiev, A, Stoilova, A, Dimov, D, Yordanov, D, Zhivkov, I, Weiter, M.** Synthesis and photochromic properties of some N-phthalimide azo-azomethine dyes. A DFT quantum mechanical calculations on imine-enamine tautomerism and trans-cis photoisomerization. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 210, Elsevier, 2019, DOI:<https://doi.org/10.1016/j.saa.2018.11.033>, 230-244. JCR-IF (Web of Science):2.88

Цитира се е:

558. Abbas, A.K., AL-Qaysi, W.W. "Synthesis and Characterization of Novel Nano Azo Compounds as a New pH Sensor". *Arabian Journal for Science and Engineering*. 48(1), pp. 399-415, 2023, @2023 [Линк](#) 1.000
559. Al-Zahrani, S.A., Khan, M.T., Jevtic, V., (...), Ahmed, H.A., Alfaidi, F.M. "Liquid Crystalline Mixtures with Induced Polymorphic Smectic Phases Targeted for Energy Investigations". *Crystals*. 13(4), 645, 2023, @2023 [Линк](#) 1.000
560. Danil de Namor, A.F., Al Hakawati, N. "Anion Complexation by an Azocalix[4]arene Derivative and the Scope of Its Fluoride Complex Salt to Capture CO₂ from the Air". *Molecules*. 28(16), 6029, 2023, @2023 [Линк](#) 1.000
561. ElGuesmi, N., Farghaly, T.A., Khormi, A.Y., (...), Katin, K.P., Kaya, S. "Synthesis and spectral properties of novel series of fluorene-based azo dyes containing thiazole scaffold: Studying of the solvent and substituent effect on absorption spectra". *Journal of Molecular Structure*. 1271, 134002, 2023, @2023 [Линк](#) 1.000
562. Hamdan, N., Khodir, W.K.W.A., Hamid, S.A., (...), Cruz-Maya, I., Guarino, V. "PCL/Gelatin/Graphene Oxide Electrospun Nanofibers: Effect of Surface Functionalization on In Vitro and Antibacterial Response". *Nanomaterials*. 13(3), 488, 2023, @2023 [Линк](#) 1.000
563. Mandal, P., Pratihari, J.L. "A review of the photochromic behavior of metal complexes embedded in conjugated (-N = N-C = N-) and non-conjugated azo-imine-based ligands". *Reviews in Inorganic Chemistry*. 43(4), pp. 583-625, 2023, @2023 [Линк](#) 1.000
564. Sivaguru, P., Sedhu, N., Lalitha, A. "Azobenzene derivatives of 3, 3'-bis(indolyl)methanes: Novel electroactive materials with antioxidant activities". *Synthetic Metals*. 293, 117291, 2023, @2023 [Линк](#) 1.000
565. V. Jevtic, H.A. Ahmed, M.T. Khan, S.A. Al-Zahrani, N. Masood, Y.A. Jeilani. "Preparation of Laterally Chloro-Substituted Schiff Base Ester Liquid Crystals: Mesomorphic and Optical Properties". *Crystals* (IF2021: 2.67, Q2) 2023, vol. 13, art. no. 835. <https://doi.org/10.3390/cryst13050835>, @2023 [Линк](#) 1.000
253. Dodevska, T., Vasileva, I., Denev, P., **Karashanova, D., Georgieva, B., Kovacheva, D, Yantcheva, N, Slavov, A.** Rosa damascena waste mediated synthesis of silver nanoparticles: Characteristics and application for an electrochemical sensing of hydrogen peroxide and vanillin. *Materials Chemistry and Physics*, 231, Elsevier, 2019, ISSN:0254-0584, DOI:10.1016/j.matchemphys.2019.04.030, 335-343. ISI IF:2.21

Цитира се е:

566. Batool, F, Mohyuddin, A, Amjad, A, ul Hassan, A, Nadeem, S, Javed, M, Othman, MHD, Chew, KW, Rauf, A, Kurniawan, TA. "Removal of Cd(II) and Pb(II) from synthetic wastewater using Rosa damascena waste as a biosorbent: An insight into adsorption mechanisms, kinetics, and thermodynamic studies". *Chemical Engineering Science*, Volume 280, 2023, 119072, ISSN 0009-2509, <https://doi.org/10.1016/j.ces.2023.119072>, @2023 [Линк](#) 1.000
567. Famad, N, Farhadi, K. "Introducing potato starch-ecofriendly silver nanoparticles as a novel binary system for nanoencapsulation of riboflavin". *Food Chemistry*, Volume 398, 1 January 2023, 133910. <https://doi.org/10.1016/j.foodchem.2022.133910>, @2023 [Линк](#) 1.000
568. Gulaboski, R., Lazarova, S., Kokoskarova, P., & Joveva, E. "Voltammetric biosensors based on metallic nanoparticles synthesized from plant extracts: A short overview of recent achievements". *Macedonian Journal of Chemistry and Chemical Engineering*, 2023, 42(2), 215–225., @2023 [Линк](#) 1.000
569. Kasiama, GN, Kabengele, CN, Kilembe, JT, Kitadi, JM, Mifundu, M, Ngbolua, JP, Tshibangu, DST, Tshilanda, DD, Tshimankinda, PT. "Green Synthesis, Characterization and Evaluation of Biological Activities of Ag-Mno Nanocomposites from *Cyrtanthus Congolensis*". *Diyala Journal of Engineering Sciences*, 16 (3), 24-36, 2023, @2023 [Линк](#) 1.000

570. Kumari, R, Kumar, H, Yadav, A, Sharma, R, Kumari, A, Kumar, A. "Metal nanocomposites-based electrochemical sensor for the detection of vanillin (food additives): Experimental and theoretical approach". Food Bioscience, 2023, 102464, ISSN 2212-4292, <https://doi.org/10.1016/j.fbio.2023.102464>, @2023 [Линк](#) 1.000
254. Ivanov, D, Borisova, E, Genova, Ts, Nedelchev, L, Nazarova, D. Tissue polarimetric discrimination analysis of skin and colon histological samples. AIP Conference Proceedings, 2075, AIP Publishing, 2019, ISSN:0094-243X, DOI:10.1063/1.5091382, 170017-1-170017-5. SJR:0.16
Цитира се е:
571. Makkithaya, K.N. et al. (2023). Machine Learning in Tissue Polarimetry. In: Mazumder, N., Kistenev, Y.V., Prasada K., S. (eds) Optical Polarimetric Modalities for Biomedical Research. Biological and Medical Physics, Biomedical Engineering. Springer, Cham. https://doi.org/10.1007/978-3-031-31852-8_14, @2023 [Линк](#) 1.000
255. T. Hristova-Vasileva, I. Bineva, R. Todorov, A. Dinescu, C. Romanitan. In-depth evolution of tellurium films deposited by frequency assisted thermal evaporation in vacuum (FATEV). Journal of Physics: Conf Series., 1186, 5, IOP, 2019, 012026. SJR (Scopus):0.24
Цитира се е:
572. Ya, R., Zhang, C., Tian, W. and Wang, B. Effect of composition and structure of In-Te alloy on evaporation property and film of Te, Vacuum, 1186, 5, IOP, 2019, 012026. SJR (Scopus):0.24
215, 112307, 2023, @2023 [Линк](#) 1.000

2020

256. Lazarova, K., Bozhilova, S., Novakov, Ch., Christova, D., Babeva, T.. Amphiphilic Poly(vinyl Alcohol) Copolymers Designed for Optical Sensor Applications—Synthesis and Properties. Coatings, 10, MDPI, 2020, ISSN:2079-6412, DOI:10.3390/coatings10050460 www.mdpi.com/journal/, 460. JCR-IF (Web of Science):2.33
Цитира се е:
573. Ku, C.-A.; Chung, C.-K. "Advances in Humidity Nanosensors and Their Application: Review." Sensors, 23, 2328, 2023., @2023 [Линк](#) 1.000
257. Boycheva, S., Zgureva, D., Lazarova, K., Babeva, T., Popov, C., Lazarova, H., Popova, M.. Progress in the Utilization of Coal Fly Ash by Conversion to Zeolites with Green Energy Applications. Materials, 13, MDPI, 2020, DOI:10.3390/ma13092014, 9. SJR (Scopus):0.69
Цитира се е:
574. Aziz, A., Marlinda, L. and Rahmi, R., 2023. SINTESIS DAN KARAKTERISASI ZSM-5 MESOPORI DARI FLY ASH BATUBARA SEBAGAI SUMBER ALUMINA DAN SILIKA (Doctoral dissertation, Fakultas Sains dan Teknologi, UNIVERSITAS JAMBI, Indonesia), @2023 1.000
575. Azzouz, L., Rérat, M., Matta C. F. "Tuning Novel NaLaS 2(1-x) (Se or Te) 2 x Alloys as Light-Absorbing Materials by Dopant-Induced Crystallographic Phase and Electronic Structure Transitions". J. Phys. Chem. C, 127, 35, 17532–17544, 2023. <https://doi.org/10.1021/acs.jpcc.3c03067>, @2023 [Линк](#) 1.000
576. Biswal, T., Shadangi, K.P. and Sarangi, P.K. "Fly Ash Derived Catalyst for Biodiesel Production". In Biorefineries: Production of Fuels and Platform Chemicals, P.K. Sarangi (Ed.), 203-232, 2023., @2023 [Линк](#) 1.000
577. Darmansyah, D., You, Sh.-J., Wang, Y.-F. "Advancements of coal fly ash and its prospective implications for sustainable materials in Southeast Asian countries: A review". Renewable and Sustainable Energy Reviews, 188, 113895, 2023. <https://doi.org/10.1016/j.rser.2023.113895>, @2023 [Линк](#) 1.000
578. Grabias-Blicharz, Ewelina; Franus, Wojciech . "A critical review on mechanochemical processing of fly ash and fly ash-derived materials". Science of The Total Environment, 860, 160529, 2023., @2023 [Линк](#) 1.000
579. Koshlak, H. "Synthesis of Zeolites from Coal Fly Ash Using Alkaline Fusion and Its Applications in Removing Heavy Metals". Materials, 16(13), 4837, 2023. <https://doi.org/10.3390/ma16134837>, @2023 [Линк](#) 1.000
258. Nazarova, D., Mateev, G., Nedelchev, L., Stoykova, E., Blagoeva, B., Berberova, N., Hong, K., Park, J.. Polarization holographic gratings with enhanced parameters recorded in azopolymer based nanocomposite materials. Optik - International Journal for Light and Electron Optics, 226, 2, Elsevier, 2020, ISSN:0030-4026, DOI:<https://doi.org/10.1016/j.ijleo.2020.165882>, 165882-1-165882-11. SJR (Scopus):0.48, JCR-IF (Web of Science):2.443
Цитира се е:
580. V. M. Ovdenko, D. O. Komarenko, S. O. Lisniak, A. V. Ronkovych, V. V. Multian, V. Ya. Gayvoronsky. "The substituent effect on CW laser beam self-action manifestation under UV irradiation of azo-azomethine PMMA composites thin films". Optical Materials ISSN 0925-3467 (IF2021: 3.754, Q2), vol. 138, art. no. 113735 (2023). DOI: <https://doi.org/10.1016/j.optmat.2023.113735>, @2023 [Линк](#) 1.000
259. Lazarova, K., Bozhilova, S., Christova, D., Babeva, T.. Poly(vinyl alcohol)-based thin films for optical humidity sensing. Journal of Physics: Conference Series, 1492, 2020, ISSN:17426588, DOI:10.1088/1742-6596/1492/1/012040, 012040. SJR (Scopus):0.21
Цитира се е:
581. Ku, C.-A.; Chung, C.-K. "Advances in Humidity Nanosensors and Their Application: Review." Sensors, 23, 2328, 2023., @2023 [Линк](#) 1.000

260. Dobrev, S., Angelova, S.. Antioxidants in coffee: A DFT mechanistic study of the free radical scavenging activity. Bulgarian Chemical Communications, 52, Special issue D, 2020, ISSN:0861-9808, 48-53. SJR (Scopus):0.142

Цитира се в:

582. Stein, J.A., Farina, E.K., Karl, J.P., Thompson, L.A., Knapik, J.J., Pasiakos, S.M., McClung, J.P. and Lieberman, H.R., 2023. Biomarkers of oxidative stress, diet and exercise distinguish soldiers selected and non-selected for special forces training. *Metabolomics*, 19(4), p.39., @2023 [Линк](#) 1.000
261. Koleva, ME, Nedyalkov, NN, Nikov, Ru, Nikov, Ro, Atanasova, G, Karashanova, D, Nuzhdin, VI, Valeev, VF, Rogov, AM, Stepanov, AL. Fabrication of Ag/ZnO nanostructures for SERS applications. *Applied Surface Science*, 508, ELSEVIER, RADARWEG 29, 1043 NX AMSTERDAM, NETHERLANDS, 2020, ISSN:0169-4332, DOI:10.1016/j.apsusc.2019.145227, JCR-IF (Web of Science):6.182
- Цитира се в:
583. Du, B, Tan, J, Ji, C, Shao, M, Zhao, X, Yu, J, Zhang, C, Chen, C, Pan, H, Man, B, Li, Z. "Study of thermoelectric enhanced SERS and photocatalysis with ZnO-metal nanorod arrays". *Nano Research*, 16 (4), 5427 - 5435, 2023 DOI10.1007/s12274-022-5253-y, @2023 [Линк](#) 1.000
584. Ha Tran, T , Pham, NH, Nguyen, TH, Nguyen, TDT, Sai, CD, Nguyen, QH, Nguyen, VT, Le, MP, Tran, VT, Nguyen, TB, Nguyen, TT, Duong, TN, Tran, TD, Do Dai, N, Pham, V, Ngac, AB. "Preparation of ZnO/Ag nanoflowers by hydrothermal assisted with galvanic effect and its surface enhanced Raman scattering activity". *CHEMICAL PHYSICS LETTERS*, 833, Article Number 140948, 2023 DOI10.1016/j.cplett.2023.140948, @2023 [Линк](#) 1.000
585. Jin, D, Lee, Y, Lee, C, Kim, MH. "Electrochemically programmed evolution of 3-dimensional Ag-microstructure dictating dramatic Raman amplification for sensitive detection of molecules". *MATERIALS TODAY NANO*, 24, Article Number 100381, 2023 DOI10.1016/j.mtnano.2023.100381, @2023 [Линк](#) 1.000
586. Keerthana, CS, Nair, AS, George, P, Unnikrishnan, NV, Ulahannan, JP, Saritha, AC. "Hydrothermally synthesized Ag decorated β -Ga2O3 heterostructures as low cost, reusable SERS substrates for the nanomolar detection of rhodamine 6G". *JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS*, 179, Article Number 111407, 2023 DOI10.1016/j.jpccs.2023.111407, @2023 [Линк](#) 1.000
587. Kumaravel, S, Kim, H. "Development and characterization of solar active Ag-ZnO/g-C3N4 as a highly efficient photocatalyst for the detoxification of organic pollutant". *COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS*, 679, Article Number 132644, 2023 DOI10.1016/j.colsurfa.2023.132644, @2023 [Линк](#) 1.000
588. Salim, KH, Khudair, HF, Mohammed, KA, Zabibah, RS, Al-Khafaji, MA, Elayaperumal, M, Saxena, KK. "Eco-Friendly Synthesis OF Ag-ZnO Nanocomposite and its Anti-Bacterial Activity, Photocatalysis Toward Degradation of (CB) Dye and Removal Wastewater Pollution". *INTERNATIONAL JOURNAL OF NANOSCIENCE*, 22 (05), Article Number 2350041, 2023 DOI10.1142/S0219581X23500412, @2023 [Линк](#) 1.000
589. Sun, C, Guo, NY, Ye, L, Miao, LX, Cao, M, Yan, MD, Ding, JJ. "Quantitative detection of phenol red by surface enhanced Raman spectroscopy based on improved GA-BP". *SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY*, 296, Article Number 122663, 2023 DOI10.1016/j.saa.2023.122663, @2023 [Линк](#) 1.000
590. Wu, HR, Wang, JJ, Yang, Q, Qin, SX, Li, ZX, Zhang, Y, Pan, JQ, Li, CR. "Ultrasensitive and stable SERS detection by defect engineering constructed Ag@Ga-doped ZnO core-shell nanoparticles". *APPLIED SURFACE SCIENCE*, 621, Article Number 156873, 2023 DOI10.1016/j.apsusc.2023.156873, @2023 [Линк](#) 1.000
262. Nikov, RoG, Nedyalkov, NN, Karashanova, DB. Laser ablation of Ni in the presence of external magnetic field: Selection of microsized particles. *Applied Surface Science*, 518, ELSEVIER, RADARWEG 29, 1043 NX AMSTERDAM, NETHERLANDS, 2020, ISSN:0169-4332, DOI:10.1016/j.apsusc.2020.146211, JCR-IF (Web of Science):6.182

Цитира се в:

591. Attallah, AH, Abdulwahid, FS, Ali, YA, Haider, AJ. "Effect of Liquid and Laser Parameters on Fabrication of Nanoparticles via Pulsed Laser Ablation in Liquid with Their Applications: A Review". *PLASMONICS*, 18 (4), 1307-1323, 2023 DOI10.1007/s11468-023-01852-7, @2023 [Линк](#) 1.000
592. Naderi-Samani, H, Razavi, RS, Mozaffarinia, R. "Investigating the effect of 532 nm and 1064 nm wavelengths and different liquid media on the qualities of silver nanoparticles yielded through laser ablation". *MATERIALS CHEMISTRY AND PHYSICS*, 305, Article number 128001, 2023 DOI10.1016/j.matchemphys.2023.128001, @2023 [Линк](#) 1.000
593. Phukan, A, Nath, A. "Influence of an external magnetic field on laser-induced plasma and cavitation bubbles in submerged targets". *JOURNAL OF LASER APPLICATIONS*, 35 (1), Article Number 012011, 2023 DOI10.2351/7.0000876, @2023 [Линк](#) 1.000
594. Zhang, HX, Qi, XW, Liu, CL, Chen, XJ, Teng, C, Luo, Y, Wang, CR, Jiang, H, Cui, HT, Dong, J. "Effect of Sonication and Ceria Doping on Nanoparticles Fabricated by Laser Marker Ablation of Ti in Water". *NANOMATERIALS*, 13 (15), Article Number 2201, 2023 DOI10.3390/nano13152201, @2023 [Линк](#) 1.000
263. Kircheva, N., Dudev, T.. Gallium as an Antibacterial Agent: A DFT/SMD Study of the Ga³⁺/ Fe³⁺ Competition for Binding Bacterial Siderophores. 2020, DOI:10.1021/acs.inorgchem.0c00367, JCR-IF (Web of Science):4.825

Цитира се в:

595. Fahde, S., Boughribil, S., Sijilmassi, B. and Amri, A., "Rhizobia: A Promising Source of Plant Growth-Promoting Molecules and Their Non-Legume Interactions: Examining Applications and Mechanisms. *Agriculture*", 13(7), p.1279, 2023, @2023 [Линк](#) 1.000
596. Guan, W., Fang, Z., Chen, Y., Li, Y., Peng, Z., Sun, L., Deng, Q. , Gooneratne, R. "Cadmium-chelating ability of the siderophore DHBS secreted by *Leclercia adecarboxylata* FCH-CR2 and its action mechanism of action." *Science of The Total Environment*, 165850, 2023, @2023 [Линк](#) 1.000

597. Guo, M., Tian, P., Li, Q., Meng, B., Ding, Y., Liu, Y., Li, Y., Yu, L. and Li, J. "Gallium Nitrate Enhances Antimicrobial Activity of Colistin against *Klebsiella pneumoniae* by Inducing Reactive Oxygen Species Accumulation." *Microbiology Spectrum*, 2023, pp.e00334-23., @2023 [Линк](#) 1.000
598. Jewula, P., Grandmougin, M., Choppin, M., Tivelli, A.M.C., Amati, A., Rousselin, Y., Karmazin, L., Chambron, J.C. and Meyer, M., "Complexes of Fe (III) and Ga (III) Derived from the Cyclic 6-and 7-Membered Hydroxamic Acids Found in Mixed Siderophores." *European Journal of Inorganic Chemistry*, 26(13), p.e202300038, 2023, @2023 [Линк](#) 1.000
599. Kang, M., Jiang, S., Liu, Y., Wei, K., Liu, P., Yang, X., Pei, M. and Zhang, G., "A new "off-on-off" Schiff base from quinoline and thiophene as a fluorescent sensor for sequential monitoring Ga³⁺ and Pd²⁺". *Journal of Photochemistry and Photobiology A: Chemistry*, 438, p.114510, 2023, @2023 [Линк](#) 1.000
600. Liu, S., Ji, Y., Zhu, H., Shi, Z., Li, M., & Yu, Q. "Gallium-based metal-organic framework loaded with antimicrobial peptides for synergistic killing of drug-resistant bacteria.", *Journal of Materials Chemistry B*, 2023, @2023 [Линк](#) 1.000
601. Liu, Y., Yang, F., Pan, Z., Fu, Z., Jiang, X., Cao, Z., Li, J. and Wang, H., Gallium-enabled bactericidal medicine. *Materials Today*, 2023, @2023 [Линк](#) 1.000
602. Mosina, M., Siverino, C., Stipniece, L., Scegljovs, Vasiljevs, R., Moriarty, T.F., Locs, J., "Gallium-Doped Hydroxyapatite Shows Antibacterial Activity against *Pseudomonas aeruginosa* without Affecting Cell Metabolic Activity", *J. Funct. Biomater.*, 2023, @2023 [Линк](#) 1.000
603. Rodriguez-Contreras, A.; Torres, D.; Piñera-Avellaneda, D.; Pérez-Palou, L.; Ortiz-Hernández, M.; Ginebra, M.P.; Calero, J.A.; Manero, J.M.; Rupérez, E. "Dual-Action Effect of Gallium and Silver Providing Osseointegration and Antibacterial Properties to Calcium Titanate Coatings on Porous Titanium Implants". *Int. J. Mol. Sci.* 2023, 24, 8762., @2023 [Линк](#) 1.000
604. Xu, Y. C., Li, N., Yan, X., & Zou, H. X. "DFT-based Analysis of Siderophore-Metal Ion Interaction for Efficient Heavy Metal Remediation." *Environ Sci Pollut Res*, 2023, @2023 [Линк](#) 1.000
264. **Georgiev, R, Georgieva, B, Lazarova, K, Vasileva, M, Babeva, T.** Sol-gel tantalum pentoxide thin films with tunable refractive index for optical sensing applications. *Optical and Quantum Electronics*, 52, 437, Springer, 2020, ISSN:0306-8919, DOI:10.1007/s11082-020-02540-0, 1-12. JCR-IF (Web of Science):1.842
- Цитира се е:
605. Tokas, R.B., Jena, S., Prathap, C., Thakur, S., Rao, K.D. and Udupa, D.V., "Study of reactive electron beam deposited tantalum penta oxide thin films with spectroscopic ellipsometry and atomic force microscopy", *Applied Surface Science Advances*, 18, p.100480, 2023, @2023 [Линк](#) 1.000
265. Koseva, I, Tzvetkova, P, **Ivanov, P, Petrova, P, Tomova, R,** Nikolova, V. Photoluminescent properties of europium doped calcium orthogermanate (Ca₂GeO₄) as a candidate for Red phosphor. *Optik*, 205, Elsevier BV, 2020, ISSN:0030-4026, DOI:https://doi.org/10.1016/j.ijleo.2020.164269, SJR (Scopus):0.4, JCR-IF (Web of Science):1.914
- Цитира се е:
606. M Narsimulu, K Srikanth, L Narshima. "Synthesis and emission characteristics of rare earth ions (Eu³⁺ and Tb³⁺) doped calcium orthogermanate phosphors." *Materials Today (in press)*, 2023 – Elsevier, @2023 [Линк](#) 1.000
607. S He, Y Liu, T Gao, R Liu, G Chen, M Duan, M Cao. "Enhanced Luminescence of Long-Wavelength Broadband Near-Infrared Germanate Phosphors." *ACS Omega* 2023, 8, 17, 15698–15707, 2023, https://doi.org/10.1021/acsomega.3c00995, @2023 [Линк](#) 1.000
608. Yuanfa Zhuang, Feixiang Liang, Chuanjun Tang, Zihao Chen, Jianan Zeng, Qiang Tang. "Investigation of a novel long persistent NIR emitting phosphor Ca₂GeO₄:Yb³⁺." *Journal of Luminescence*, 258, 2023, 119792, ISSN 0022-2313, https://doi.org/10.1016/j.jlumin.2023.119792., @2023 [Линк](#) 1.000
266. Nikolova, B., Antov, G., Semkova, S., Tsoneva, I., Christova, N., Nacheva, L., Kardaleva, P., **Angelova, S.**, Stoineva, I., Ivanova, J., Vasileva, I., Kabaivanova, L. Bacterial natural disaccharide (trehalose tetraester): molecular modeling and in vitro study of anticancer activity on breast cancer cells. *Polymers*, 12, 2, MDPI AG, 2020, ISSN:2073-4360, DOI:10.3390/polym12020499, 499. SJR (Scopus):0.704, JCR-IF (Web of Science):3.426
- Цитира се е:
609. Ali, N., Wolf, C., Kanchan, S., Veerabhadraiah, S.R., Bond, L., Turner, M.W., Jorczyk, C.L. and Hampikian, G., Nullomer peptide increases immune cell infiltration and reduces tumor metabolism in triple negative breast cancer mouse model., @2023 [Линк](#) 1.000
610. Aranda, F.J., Teruel, J.A. and Ortiz, A., 2023. Recent advances on the interaction of glycolipid and lipopeptide biosurfactants with model and biological membranes. *Current Opinion in Colloid & Interface Science*, Volume 68, December 2023, p.101748., @2023 [Линк](#) 1.000
611. Balakrishnan, S., Rameshkumar, M.R., Krithika, C., Nivedha, A., Kumar, D.T., Arunagirinathan, N. (2023). Biodegradation and Cytotoxic Effects of Biosurfactants. In: Aslam, R., Mobin, M., Aslam, J., Zehra, S. (eds) *Advancements in Biosurfactants Research*. Springer, Cham. https://doi.org/10.1007/978-3-031-21682-4_5, @2023 [Линк](#) 1.000
267. **Stoykova, E, Nazarova, D, Nedelchev, L, Ivanov, B, Blagoeva, B,** Oh, K, Park, J. Dynamic speckle analysis with coarse quantization of the raw data. *Applied Optics*, 59, 9, OSA Publishing, 2020, ISSN:1559-128X, DOI:https://doi.org/10.1364/AO.384204, 2810-2819. SJR (Scopus):0.668, JCR-IF (Web of Science):1.98
- Цитира се е:
612. Li, Dongyun. "Financial big data control and intelligent analysis method for investment decision of renewable energy projects". *Applied Mathematics and Nonlinear Sciences*, ISSN 2444-8656 (JCI2021: 2.68, Q1), vol.0, no.0, 2023, pp.-. https://doi.org/10.2478/amns.2023.1.00163, @2023 [Линк](#) 1.000

268. Cody, D., **Babeva, T., Madjarova, V.**, Kharchenko, A., Sabad-E-gul, Mintova, S., Barrett, C.J., Naydenova, I.. In-situ ellipsometric study of the optical properties of LTL-doped thin film sensors for copper(II) ion detection. *Coatings*, 10, 4, art.no. 423, MDPI AG, 2020, ISSN:20796412, DOI:10.3390/coatings10040423, 1-12. SJR (Scopus):0.46, JCR-IF (Web of Science):2.436

Цитира се е:

613. Kadem, A.J., Teo, Y.X., Pung, S.-Y., Sreekantan, S., Ramakrishnan, S., "Predicting Photocatalytic Properties of Metal Coupled Mn-TiO₂ Particle Using Response Surface Methodology (RSM) as a Potential Filler in LED's Encapsulant", *Bulletin of Chemical Reaction Engineering and Catalysis*, 18 (2), pp. 238-255., 2023, @2023 [Линк](#) 1.000
269. Pereva, S., Nikolova, V., Sarafska, T., **Angelova, S.**, Spassov, T., Dudev, T.. Inclusion complexes of ibuprofen and β -cyclodextrin: supramolecular structure and stability. *J. Mol. Struct.*, 1205, Elsevier, 2020, ISSN:ISSN 0022-2860, DOI:https://doi.org/10.1016/j.molstruc.2019.127575, 127575. SJR (Scopus):0.45, JCR-IF (Web of Science):2.463
- Цитира се е:
614. Amirinejad, M., Haghighizadeh, A., Nejabat, M., Etemad, L. and Rajabi, O., 2023. Synthesis, Optimization, and Evaluation of the Inclusion Complex of Ibuprofen-Hydroxypropyl-beta-cyclodextrin: An in Vitro and in Silico Study. *ChemistrySelect*, 8(11), p.e202204396., @2023 [Линк](#) 1.000
615. Bao, X., Liu, X., Dou, R., Xu, S., Liu, D., Luo, J., Gong, X., Wong, C.F. and Zhou, B., 2023. How are N-methylcarbamates encapsulated by β -cyclodextrin: Insight into binding mechanism. *Phys. Chem. Chem. Phys.*, 2023, 25, 13923-13932, @2023 [Линк](#) 1.000
616. Díaz-Castañón, S., Rivero, Y.R., Insausti, M., de Muro Zabala, I.G., Lezama, L., Rojo, T. and Díaz-García, A.M., 2023. Synthesis of IONPs@ β -CD by co-precipitation method at different ultrasound frequencies., @2023 [Линк](#) 1.000
617. Feng, Y., Chen, S., Li, Z., Gu, Z., Xu, S., Ban, X., Hong, Y., Cheng, L. and Li, C., 2023. A review of controlled release from cyclodextrins: Release methods, release systems and application. *Critical Reviews in Food Science and Nutrition*, 63(20), pp.4744-4756., @2023 [Линк](#) 1.000
618. Liu, M., Higashi, K., Ueda, K. and Moribe, K., 2023. Supersaturation maintenance of carvedilol and chlorthalidone by cyclodextrin derivatives: Pronounced crystallization inhibition ability of methylated cyclodextrin. *International Journal of Pharmaceutics*, 637, p.122876., @2023 [Линк](#) 1.000
619. Orságh, M., Strachota, B., Pavlova, E., Pánek, J., Adamczyk-Woźniak, A., Sporzyński, A., Leszczyński, P., Steřánek, M. and Uchman, M., Meta-Isobutoxy Phenylboronic Acid for Nanoscale Multi-Stimuli-Responsive Low-Molecular-Weight Hydrogelator. *ACS Appl. Nano Mater.* 2023, 6, 17, 16055–16064, @2023 [Линк](#) 1.000
620. Pinelli, F., Ponti, M., Delleani, S., Pizzetti, F., Vanoli, V., Vangosa, F.B., Castiglione, F., Haugen, H., Nogueira, L.P., Rossetti, A. and Rossi, F., β -Cyclodextrin functionalized agarose-based hydrogels for multiple controlled drug delivery of ibuprofen. *International Journal of Biological Macromolecules*, 252, p.126284., @2023 [Линк](#) 1.000
621. Vasincu, I.M., Apotrosoaei, M., Lupascu, F., Iacob, A.T., Giusca, S.E., Caruntu, I.D., Marangoci, N.L., Petrovici, A.R., Stanciu, G.D., Tamba, B.I. and Profire, B.S., 2023. Complexes of Ibuprofen Thiazolidin-4-One Derivatives with β -Cyclodextrin: Characterization and In Vivo Release Profile and Biological Evaluation. *Pharmaceutics*, 15(10), p.2492., @2023 [Линк](#) 1.000
270. Balli, M, Mansouri, S, **Dimitrov, D.Z.**, Fournier, P., Jandl, S., Juang, J.-Y.. Strong conventional and rotating magnetocaloric effects in TbVO₄ crystals over a wide cryogenic temperature range. *Physical Review Materials*, 4, 11, 2020, 114411. JCR-IF (Web of Science):3.337

Цитира се е:

622. Carlos Romero-Muñiz, Jia Yan Law, Jorge Revuelta-Losada, Luis M. Moreno-Ramírez, Victorino Franco "Magnetocaloric materials for hydrogen liquefaction" *The Innovation Materials* 1(3), 100045 (2023), @2023 1.000
623. Dheeraj Ranaut & K. Mukherjee "Evolution of field induced magnetic phase attributed to higher order magnetic moments in TbVO₄" *Scientific Reports* volume 13, Article number: 487 (2023), @2023 1.000
624. Junfeng Wang, Huicai Xie, Quanyi Liu, Zhihong Hao, Zhaojun Mo, Qi Fu, Xinqiang Gao, Jun Shen "Magnetic properties and magnetocaloric effects in Eu(Ti, Nb, Mn)O₃ perovskites" *Journal of Rare Earths*, Available online 30 June (2023), @2023 1.000
625. Law, Jia Yan, and Victorino Franco. "Modern rare-earth-containing magnetocaloric materials: Standing on the shoulders of giant Gd₅Si₂Ge₂" *Handbook on the Physics and Chemistry of Rare Earths*, Volume 64, 2023, Pages 175-246 (2023)., @2023 1.000
626. Sékou-Oumar Kaba, Benjamin Groleau-Paré, Marc-Antoine Gauthier, A.-M. S. Tremblay, Simon Verret, and Chloé Gauvin-Ndiaye "Prediction of large magnetic moment materials with graph neural networks and random forests" *Phys. Rev. Materials* 7, 044407 (2023), @2023 1.000
271. Aleksandrova, M., Ivanova, T., Hamelmann, F., **Strijkova, V.**, Gesheva, K.. Study of Sputtered ZnO:Ga₂O₃ Films for Energy Harvesting Applications. *Coatings* 2020, 10, MDPI, 2020, DOI:doi.org/10.3390/coatings10070650, 650. JCR-IF (Web of Science):0.46

Цитира се е:

627. Shi, X., Sun, Y., Li, D., (...), Xie, W., Luo, X. , "Advances in wearable flexible piezoelectric energy harvesters: materials, structures, and fabrication", *Journal of Materials Science: Materials in Electronics*, 34(3), 220, 2023, ISSN 09574522, DOI 10.1007/s10854-022-09536-4, @2023 [Линк](#) 1.000

272. Stoyanova-Ivanova, A, Lilov, P, Vasev, A, Stoyanova, A, Ivanova, G, **Karashanova, D**, Mikli, V. Studies of structural and morphological properties of cuprate conductive ceramics after electrochemical treatment in alkaline electrolyte. *Materials Chemistry and Physics*, 239, ELSEVIER SCIENCE SA, PO BOX 564, 1001 LAUSANNE, SWITZERLAND, 2020, ISSN:0254-0584, SJR (Scopus):0.65, JCR-IF (Web of Science):2.781

Цитира се е:

628. Wang, G", Liu, Y, Duan, Y, Ye, J, Lin, Z. "Effects of porosity on the electrochemical oxidation performance of Ti4O7 electrode materials". **1.000** *Ceramics International*, 49 (10), 15357 - 15364, 2023 DOI10.1016/j.ceramint.2023.01.120, @2023 [Линк](#)
273. Staneva, D., **Angelova, S.**, Vasileva-Tonkova, E., Grozdanov, P., Nikolova, I., Grabchev, I.. Synthesis, photophysical characterisation and antimicrobial activity of a new anionic PAMAM dendrimer. *Journal of Photochemistry & Photobiology, A: Chemistry*, 403, Elsevier, 2020, ISSN:1873-2666, DOI:10.1016/j.jphotochem.2020.112878, 112878. SJR (Scopus):0.624, JCR-IF (Web of Science):3.306
- Цитира се в:
629. Ibili, H. and Daşdemir, M., 2023. AgCl-TiO2/dendrimer-based nanoparticles for superhydrophobic and antibacterial multifunctional textiles. *The Journal of The Textile Institute*, 114(5), pp.861-873., @2023 [Линк](#)
630. Kucková, K. and Bhide, M., Dendrimers as Antimicrobial Agents in the Central Nervous System Infections. A Review. *Folia Veterinaria*, 67(2), pp.24-32., @2023 [Линк](#)
631. Luo, F., Luo, X., Wang, L., Qu, Y. and Yin, X.B., 2023. The Design and Applications of 1, 8-naphthalimide-poly (amidoamine) Dendritic Platforms. *Current Organic Chemistry*, 27(13), pp.1164-1178., @2023 [Линк](#)
632. Skrzyniarz, K., Kuc-Ciepluch, D., Lasak, M., Arabski, M., Sanchez-Nieves, J. and Ciepluch, K., Dendritic systems for bacterial outer membrane disruption as a method of overcoming bacterial multidrug resistance. *Biomater. Sci.*, 2023, 11, 6421-6435, @2023 [Линк](#)
274. Dimitrov, O, Stambolova, I, Vasilev, S, **Lazarova, K, Babeva, T, Mladenova, R.** Surface and Morphological Features of ZrO2 Sol-Gel Coatings Obtained by Polymer Modified Solution. *Materials Proceedings*, 2, 1, MDPI, 2020, 6
- Цитира се в:
633. Geršak, I., 2023. *Senzorski filmovi na osnovi lakmusa za primjenu u mikroreaktorima (Doctoral dissertation, University of Zagreb. Faculty of Chemical Engineering and Technology)*., @2023 [Линк](#)
634. Manna, S., Adak, D., Manna, S., Maity, S., Jana, S., Bhattacharya, R., Medda, S. K. "Antireflection cum photocatalytic with superhydrophilic based durable single layer mesoporous TiO2 - ZrO2 coating surface for efficient solar photovoltaic application". *Sustainable Energy Technologies and Assessments*, 57, 103236, 2023., @2023 [Линк](#)
635. Shahla Imteyaz, R. "Doping of Co3O4-ZrO2 in graphene nanoplatelets for enhanced electrochemical catalytic degradation of phenol". *Hybrid Advances*, 4, 100119, 2023. <https://doi.org/10.1016/j.hybadv.2023.100119>., @2023 [Линк](#)
275. **Mateev, G, Marinov, G, Nedelchev, L, Nazarova, D, Stoykova, E, Babeva, T.** Improvement of the photoinduced birefringence in azopolymer PAZO doped with ZnO via electrospray deposition. *Journal of Physics: Conference Series*, 1492, Institute of Physics, 2020, ISSN:1742-6588, DOI:10.1088/1742-6596/1492/1/012041, 012041-1-012041-5. SJR (Scopus):0.21
- Цитира се в:
636. Nazarova, D., Nedelchev, L., Berberova-Buhova, N. and Mateev, G., "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". *Nanomaterials*, 13(22), 2946, 2023, @2023
276. Sahin, E., **Stoykova, E.**, Mäkinen, J., Gotchev, A.. Computer generated holograms for 3D imaging: a survey. *ACM computing surveys*, 53, 2, ACM, 2020, DOI:<https://doi.org/10.1145/3378444>, 1-35. SJR (Scopus):1.5, JCR-IF (Web of Science):6.131
- Цитира се в:
637. AlShaghroud, S., AlShuwaier, A., & AlRakaf, L. (2023, July). Artificially Intelligent and Interactive 3D Hologram. In *International Conference on Human-Computer Interaction* (pp. 367-373). Cham: Springer Nature Switzerland., @2023 [Линк](#)
638. Aslan, M. J., Seyler, T., Fratz, M., Bertz, A., Carl, D., Beck, M., ... & Liewald, M. (2023, August). Simulating Holograms from 3D CAD Models via Inverse Hologram Reconstruction for Multiwavelength Holography. In *Digital Holography and Three-Dimensional Imaging* (pp. HM1D-1). Optica Publishing Group., @2023 [Линк](#)
639. Bu, J. W., Ji, J. H., Yang, Q. H., & Zhao, Y. (2023, April). Implementation of a full-color holographic system using RGB-D salient object detection. In *Conference on Infrared, Millimeter, Terahertz Waves and Applications (IMT2022)* (Vol. 12565, pp. 519-526). SPIE., @2023 [Линк](#)
640. Dong, J., Yang, B. R., & Qin, Z. (2023). Fast shadow casting algorithm in analytical polygon-based computer-generated holography. *Optics Express*, 31(9), 14821-14841., @2023 [Линк](#)
641. Dong, J., Yang, B. R., & Qin, Z. (2023, June). 76-4: Analytical Computer-Generated Holography for Quadrilateral Meshes. In *SID Symposium Digest of Technical Papers* (Vol. 54, No. 1, pp. 1083-1086)., @2023 [Линк](#)
642. Dong, Tianyu, et al. "Compression Performance Analysis of Experimental Holographic Data Coding Systems." *Sensors* 23.18 (2023): 7684., @2023 [Линк](#)
643. Ersaro, Nathan Tessema, et al. "Fast non-iterative algorithm for 3D point-cloud holography." *Optics Express* 31.22 (2023): 36468-36485., @2023 [Линк](#)
644. Han, H., Wang, J., & Wu, Y. (2023). Spherical crown holographic display with planar SLM. *Optics Communications*, 537, 129452., @2023 [Линк](#) **1.000**
645. <https://www.spiedigitallibrary.org/conference-proceedings-of-spie/12530/125300B/Impact-of-data-variety-on-physics-informed-neural-network-lens/10.1117/12.2661856.short>, @2023 [Линк](#) **1.000**
646. Lindfield, Nicholas, et al. "Just Noticeable Difference of Dead Pixels in Monochrome Computer-Generated Holograms." (2023). *EG UK Computer Graphics & Visual Computing* (D. Hunter and P. Vangorp (Editors)), @2023 [Линк](#) **1.000**

647. Lindsay, M. B., Kovaleski, S. D., Varner, A. G., Veal, C., Weber, J., Anderson, D. T., ... & Price, S. R. (2023, June). Impact of data variety on physics-informed neural network lens design. In *Advanced Optics for Imaging Applications: UV through LWIR VIII* (Vol. 12530, pp. 36-45). SPIE., @2023 [Линк](#) 1.000
648. Ma, F., Shi, B., Wang, J., Wu, S., & Wang, A. (2023). Resolution-improved holographic stereogram for dual-view 3D display based on integral imaging. *Optics and Lasers in Engineering*, 161, 107378., @2023 [Линк](#) 1.000
649. Ma, H., Wei, C., & Liu, J. (2023, March). Fast method for real-time holographic display with large size. In *Advances in Display Technologies XIII* (Vol. 12443, pp. 158-165). SPIE., @2023 [Линк](#) 1.000
650. Rahman, M. A., Hossain, M. R., & Akter, F. (2023, September). Design and Analysis of a Computer Generated Holographic Barcode System Using Advance Fresnel Algorithm. In *2023 International Conference on Information and Communication Technology for Sustainable Development (ICICT4SD)* (pp. 60-64). IEEE., @2023 1.000
651. Shen, X. S., Gao, J., Li, M., Zhou, C., Hu, S., He, M., & Zhuang, W. (2023). Toward immersive communications in 6G. *Frontiers in Computer Science*, 4, 1068478., @2023 [Линк](#) 1.000
652. Wang, F., Blinder, D., Ito, T., & Shimobaba, T. (2023). Wavefront recording plane-like method for polygon-based holograms. *Optics Express*, 31(2), 1224-1233., @2023 [Линк](#) 1.000
653. Wang, F., Shiomi, H., Ito, T., Kakue, T., & Shimobaba, T. (2023). Fully analytic shading model with specular reflections for polygon-based hologram. *Optics and Lasers in Engineering*, 160, 107235., @2023 [Линк](#) 1.000
654. Wang, F., Shiomi, H., Ito, T., Kakue, T., & Shimobaba, T. (2023). Fully analytic shading model with specular reflections for polygon-based hologram. *Optics and Lasers in Engineering*, 160, 107235., @2023 [Линк](#) 1.000
655. Wang, J., Zhang, F., Wang, X., Wang, Y., Shao, J., Wang, P., & Sun, S. (2023). Zooming optimization for fractional Fourier holographic parallel laser microprocessing. *Optics & Laser Technology*, 159, 108995., @2023 [Линк](#) 1.000
656. Wang, J., Zhang, F., Wang, X., Wang, Y., Shao, J., Wang, P., & Sun, S. (2023). Zooming optimization for fractional Fourier holographic parallel laser microprocessing. *Optics & Laser Technology*, 159, 108995., @2023 [Линк](#) 1.000
657. Wei, C., Zhou, R., Ma, H., Pi, D., Wei, J., Wang, Y., & Liu, J. (2023). Holographic display using layered computer-generated volume hologram. *Optics Express*, 31(15), 25153-25164., @2023 [Линк](#) 1.000
658. Wu, Y., Lei, X., Wang, J., & Chen, N. (2023). Fast optimization of computer-generated holograms using conjugate gradient. *Displays*, 102461., @2023 [Линк](#) 1.000
659. Yang, Q., Zhao, Y., Liu, W., Bu, J., & Ji, J. (2023). A Full-Color Holographic System Based on Taylor Rayleigh–Sommerfeld Diffraction Point Cloud Grid Algorithm. *Applied Sciences*, 13(7), 4466., @2023 [Линк](#) 1.000
660. Yao, Y., Zhang, Y., & Poon, T. C. Polygon-Layer-Based Computer-Generated Holograms. Available at SSRN 4429111., @2023 [Линк](#) 1.000
661. Zhai, Z., Li, Q., He, X., Lv, Q., Feng, W., Zeng, Z., & Wang, X. (2023, August). Multiplane Holographic Imaging Using the Spatial Light Modulator. In *Photonics* (Vol. 10, No. 9, p. 977). MDPI., @2023 [Линк](#) 1.000
662. Zhai, Z., Li, Q., Xiong, Z., Feng, W., & Lv, Q. (2023). Three-dimensional computer-generated holography based on the hybrid iterative angular spectrum algorithm. *Optics Express*, 31(23), 39169-39181., @2023 [Линк](#) 1.000
663. 高心越, & 宋清华. (2023). 轨道角动量超表面全息复用研究进展. *Chinese Journal of Lasers*, 50(18), 1813011-1813011., @2023 1.000
277. **Dimitrov, D., Marinova, V., Petrov, S., Petrova, D., Napoleonov, B., Blagoev, B., Strijkova, V., Hsu, K.-Y., Lin, S.-H.**. Atomic layer deposited Al-doped ZnO thin films for display applications. *Coatings*, 10, 6, MDPI, 2020, 539. JCR-IF (Web of Science):2.436
- Цитира се в:
664. Abdulgafour, H. I., et al. "Synthesis and characterization of Al-doped ZnO thin films as anti-reflection coatings for solar cell applications." *Surface Review and Letters* (2023): 2450047., @2023 [Линк](#) 1.000
665. Akram, Muhammad Naveed, et al. "Hybrid surface wave propagation through the interface of semiconductor and metal waveguide." *Materials Chemistry and Physics* 310 (2023): 128399., @2023 [Линк](#) 1.000
666. Bakhouch, Amel, and Mohamed Bouafia. "Growth And Properties Of Spin-Coated Transparent Sn And Al-Doped Zno Thin Films." *Surface Review and Letters (SRL)* 30.08 (2023): 1-7., @2023 [Линк](#) 1.000
667. Deru, K., An Jiayu, Liu Jing, Sun Donglan, "Research progress of aluminum-doped zinc oxide (AZO) transparent conductive films.", *Journal of Functional Materials / Gongneng Cailiao*. 2023, Vol. 54 Issue 9, p09059-09069. 11p., DOI: 10.3969/j.issn.1001-9731.2023.09.008, @2023 [Линк](#) 1.000
668. E. Zehar, A. Ouerdane, B. Chetti, S. Dergal, T. Ouahrani, A. Çoruh, Y. Caudano "Structural, electrical, and dielectric properties of sprayed tungsten-doped ZnO semiconductor" *Journal of Optoelectronics and Advanced Materials*, Vol. 25, No. 7-8, pp. 369 – 379 (2023), @2023 1.000
669. He, Jinxing, et al. "Effects of pre-deposition on the optoelectronic properties of AZO films by atomic layer deposition." *Journal of Materials Science: Materials in Electronics* 34.25 (2023): 1752., @2023 1.000
670. Mohamedi, M., Challali, F., Touam, T., (...), Djouadi, D., Chelouche, A., "Ag thickness and substrate effects on microstructural and optoelectronic properties of AZO/Ag/AZO multilayer structures deposited by confocal RF magnetron sputtering", *Applied Physics A: Materials Science and Processing*, 129(8), 545, 2023, , @2023 [Линк](#) 1.000
671. Musiliyu, K.A., Ogunmola, E.D., Ajayi, A.A. and Abodunrin, O.W., 2023. Effect of concentration on the properties of nitrogen-doped zinc oxide thin films grown by electrodeposition. *Materials for Renewable and Sustainable Energy*, 12(1), pp.23-29., @2023 [Линк](#) 1.000

672. Natu, Krutika, et al. "Transparent and flexible zinc oxide-based thin-film diodes and thin-film transistors: A review." *Journal of Applied Physics* 134.19 (2023)., @2023 [Линк](#) 1.000
673. Önsal, G., Kaynar, Ü.H. , "Synthesis of Doped ZnO Nanoparticles and their Effect on the Dielectric and Electro-Optical Characterization of Nematic Liquid Crystals", *Journal of Electronic Materials*, 52(4), pp. 2569-2579, 2023, ISSN 03615235, DOI 10.1007/s11664-023-10219-x, @2023 [Линк](#) 1.000
674. Önsal, Gülnur, et al. "Minimization of the threshold voltage parameter of the co-doped ZnO doped liquid crystals by machine learning algorithms." *Scientific Reports* 13.1 (2023): 12802., @2023 [Линк](#) 1.000
675. Stroescu, H., Nicolescu, M., Mitrea, D., (...), Calderon-Moreno, J.M., Gartner, M. , "Effect of Al Incorporation on the Structural and Optical Properties of Sol–Gel AZO Thin Films", *Materials* , 16(9), 3329, 2023, ISSN 19961944, DOI 10.3390/ma16093329, @2023 [Линк](#) 1.000
676. Vora-ud, A., Tuan Thanh Pham, A., Cao Truong, D., (...), Seetawan, T., Bach Phan, T. , "Transparent-flexible thermoelectric module from In/Ga co-doped ZnO thin films", *Chemical Engineering Journal*, 465, 142954, 2023, ISSN 13858947, DOI 10.1016/j.cej.2023.142954, @2023 [Линк](#) 1.000
278. **Kircheva, N., Dobrev, S.,** Nikolova, V., **Angelova, S.,** Dudev, T.. Zinc and its critical role in Retinitis pigmentosa: Insights from DFT/SMD calculations. *Inorganic Chemistry*, 59, 23, ACS, 2020, ISSN:0020-1669, DOI:10.1021/acs.inorgchem.0c02664, 17347-17355. SJR (Scopus):1.349, JCR-IF (Web of Science):4.825

Цитира се в:

677. Matić, A., Šupljika, F., Brkić, H., Jurasović, J., Karačić, Z. and Tomić, S., Identification of an Additional Metal-Binding Site in Human Dipeptidyl Peptidase III. *International Journal of Molecular Sciences*, 24(16), p.12747., @2023 [Линк](#) 1.000
678. Wang, F., Fernandez-Gonzalez, P., Ramon, E., Gomez-Gutierrez, P., Morillo, M. and Garriga, P., Effect of Trace Metal Ions on the Conformational Stability of the Visual Photoreceptor Rhodopsin. *International Journal of Molecular Sciences*, 24(13), p.11231, 2023., @2023 [Линк](#) 1.000
279. Boycheva, S., Zgureva, D., Lazarova, H., **Lazarova, K.,** Popov, C., **Babeva, T.,** Popova, M.. Processing of high-grade zeolite nanocomposites from solid fuel combustion by-products as critical raw materials substitutes. *Manufacturing Review*, 7, 2020, ISSN:22654224, DOI:https://doi.org/10.1051/mfreview/2020019, 22. SJR (Scopus):0.5

Цитира се в:

679. Deng, S., 2023. Advancing the Circular Economy of Critical Materials (Doctoral dissertation, Purdue University Graduate School)., @2023 [Линк](#) 1.000
680. Haroon, K., Kherb, J., Jeyaseelan, C., Sen, M. "Recent Advances and Sustainable Approaches Towards Efficient Wastewater Treatment Using Natural Waste Derived Nanocomposites: A Review". *Nature Environment and Pollution Technology*, 22(3), 1643-1653, 2023. https://doi.org/10.46488/NEPT.2023.v22i03.051, @2023 [Линк](#) 1.000
280. **Georgiev, A, Yordanov, D, Dimov, D, Zhivkov, I, Nazarova, D,** Weiter, M. Azomethine phthalimides fluorescent E→Z photoswitches. *Journal of Photochemistry and Photobiology A: Chemistry*, 393, 112443, Elsevier, 2020, DOI:https://doi.org/10.1016/j.jphotochem.2020.112443, SJR (Scopus):0.657, JCR-IF (Web of Science):3.331

Цитира се в:

681. Kelbysheva, E. S., et al. "Substituted Phthalimides Linked to the Cymantrenyl Moiety: Molecules with Tunable Optical and Electrochemical Properties." *Russian Journal of Inorganic Chemistry* (2023): 1-10., @2023 [Линк](#) 1.000
682. Ovdenko, Valeriia M., et al. "The substituent effect on CW laser beam self-action manifestation under UV irradiation of azo-azomethine PMMA composites thin films." *Optical Materials* 138 (2023): 113735., @2023 [Линк](#) 1.000
683. Potter, Mark, et al. "An Azomethine-H-Based Fluorogenic Sensor for Formic Acid." *ACS Applied Materials & Interfaces* 15.37 (2023): 43880-43886., @2023 [Линк](#) 1.000
684. TKACHENKO I.M., YU.I. KURIOZ, R.M. KRAVCHUK, D.V. LITOSHENKO, V.G. NAZARENKO, V.V. SHEVCHENKO, Aromatic polymer having both azobenzene and azomethine units in the main chain as an efficient photo-responsive material, *Polym. J.*, 2023, 45, no. 4: 269-277., @2023 [Линк](#) 1.000
685. Tkachenko, Ihor M., et al. "Azobenzene–N-salicylideneaniline based aromatic polymers as efficient light-responsive materials." *Polymer* 279 (2023): 125991., @2023 [Линк](#) 1.000
686. Келбышева, Е. С., et al. "Замещенные фталимиды, связанные с цимантренильным фрагментом: молекулы с настраиваемыми оптическими и электрохимическими свойствами." *Žurnal neorganičeskoj himii* 68.9 (2023): 1265-1276., @2023 [Линк](#) 1.000
281. **Nedelchev, L, Stoykova, E, Mateev, G, Blagoeva, B,** Otsetova, A, **Nazarova, D,** Hong, K, Park, J. Photoinduced chiral structures in case of polarization holography with orthogonally linearly polarized beams. *Optics Communications*, 461, Elsevier, 2020, ISSN:0030-4018, DOI:10.1016/j.optcom.2020.125269, 125269-1-125269-5. SJR (Scopus):0.63, JCR-IF (Web of Science):2.31

Цитира се в:

687. Loşmanshii, C., Achimova, E., Abaskin, V., Mesalchin, A., Prisacar, A., Botnari, V. (2024). Optical Properties and Photoinduced Anisotropy of PEPC-co-SY3 Nanocomposite. In: Sontea, V., Tiginyanu, I., Railean, S. (eds) 6th International Conference on Nanotechnologies and Biomedical Engineering. ICNBME 2023. IFMBE Proceedings (SJR2022: 0.16), vol 91. Springer, Cham. https://doi.org/10.1007/978-3-031-42775-6_17, @2023 [Линк](#) 1.000

282. **Georgiev, R., Lazarova, K., Vasileva, M., Babeva, T.** All niobia Bragg stacks for optical sensing of vapors. *Optical and Quantum Electronics*, 52, Springer, 2020, DOI:<https://doi.org/10.1007/s11082-020-2243-8>, SJR (Scopus):0.36, JCR-IF (Web of Science):1.547

Цитира се е:

688. Scotonella F."Tunable cavity modes in diarylethene-based photo-switchable polymeric microcavities and study of the light-pulse propagation through the microcavities" *Results in Optics*, 10, 100338, 2023. <https://doi.org/10.1016/j.rio.2022.100338>, @2023 [Линк](#) 1.000
283. John T Sheridan, Raymond K Kostuk, Antonio Fimia Gil, Yongtian Wang, Wengao Lu, Haizheng Zhong, Yasuo Tomita, Cristian Neipp, Jorge Francés, Sergi Gallego, Inmaculada Pascual, **Vera Marinova**, Shiuian Huei Lin, Ken Yuh Hsu, Friedrich Bruder, Sven Hansen, Christel Manecke, Richard Meisenheimer, Christian Rewitz, Thomas Rölle, Sergey Odinkov, Osamu Matoba. Roadmap on holography. *Journal of Optics*, Volume 22(12) 2020, 2020
- Цитира се е:
689. Bianco, A., Frangiamore, M., Zanutta, A., Oggioni, L., Pariani, G., Garzon, F., Insausti, M. Improvements in VPHGs for astronomy based on photopolymers (2023) *Proceedings of SPIE - The International Society for Optical Engineering*, 12574, art. no. 125740H, DOI: 10.1117/12.2665861, @2023 [Линк](#) 1.000
690. Chen, B., Li, Z., Zhou, Y., Zhang, Y., Jia, J., Wang, Y. Deep-Learning Multiscale Digital Holographic Intensity and Phase Reconstruction (2023) *Applied Sciences (Switzerland)*, 13 (17), art. no. 9806, . DOI: 10.3390/app13179806, @2023 [Линк](#) 1.000
691. Dorrah, A.H., Bordoloi, P., de Angelis, V.S., de Sarro, J.O., Ambrosio, L.A., Zamboni-Rached, M., Capasso, F. Light sheets for continuous-depth holography and three-dimensional volumetric displays (2023) *Nature Photonics*, 17 (5), pp. 427-434. DOI: 10.1038/s41566-023-01188-y, @2023 [Линк](#) 1.000
692. Gao, Y., Cao, L. Iterative projection meets sparsity regularization: towards practical single-shot quantitative phase imaging with in-line holography (2023) *Light: Advanced Manufacturing*, 4 (1), art. no. 6, . DOI: 10.37188/lam.2023.006, @2023 [Линк](#) 1.000
693. Guo, B., Wang, M., Zhang, D., Sun, M., Bi, Y., Zhao, Y. High Refractive Index Monomers for Improving the Holographic Recording Performance of Two-Stage Photopolymers(2023) *ACS Applied Materials and Interfaces*, 15 (20), pp. 24827-24835. DOI: 10.1021/acsmi.3c01446, @2023 [Линк](#) 1.000
694. Kumar, M., Pensia, L., Kumar, R. Highly Stable Vibration Measurements by Common-path off-axis Digital Holography (2023) *Optics and Lasers in Engineering*, 163, art. no. 107452, DOI: 10.1016/j.optlaseng.2022.107452, @2023 [Линк](#) 1.000
695. Liu, Z., Wang, D., Gao, H., Li, M., Zhou, H., Zhang, C. Metasurface-enabled augmented reality display: A review (2023) *Advanced Photonics*, 5 (3), art. no. 034001, DOI: 10.1117/1.AP.5.3.034001, @2023 [Линк](#) 1.000
696. Lloret, T., Navarro-Fuster, V., Morales-Vidal, M., Ramírez, M.G., Márquez, A., Beléndez, A., Pascual, I. CCD and Hartmann-Shack wavefront sensor to analyze holographic lens resolution (2023) *Proceedings of SPIE - The International Society for Optical Engineering*, 12574, art. no. 125740Z, DOI: 10.1117/12.2665716, @2023 [Линк](#) 1.000
697. Madali, N., Gilles, A., Gioia, P., Morin, L. Automatic depth map retrieval from digital holograms using a deep learning approach (2023) *Optics Express*, 31 (3), pp. 4199-4215p DOI: 10.1364/OE.480561, @2023 [Линк](#) 1.000
698. Madali, N., Gilles, A., Gioia, P., Morin, L. PSDFH: A Phase-Space-Based Depth from Hologram Extraction Method (2023) *Applied Sciences (Switzerland)*, 13 (4), art. no. 2463, DOI: 10.3390/app13042463, @2023 [Линк](#) 1.000
699. Márquez, A., Li, C., Beléndez, A., Maier, S.A., Ren, H. Information multiplexing from optical holography to multi-channel metaholography (2023) *Nanophotonics*, DOI: 10.1515/nanoph-2023-0605, @2023 [Линк](#) 1.000
700. Nawang, M.D., Munzil, M., Setiawan, A.M. The validity of 3D hologram-based learning media development on earth layer material in SMP/MTS (2023) *AIP Conference Proceedings*, 2673, art. no. 090006, DOI: 10.1063/5.0125168, @2023 [Линк](#) 1.000
701. Rosen, J. Advanced Imaging Methods Using Coded Aperture Digital Holography †(2023) *Engineering Proceedings*, 34 (1), art. no. 2, DOI: 10.3390/HMAM2-14122, @2023 [Линк](#) 1.000
702. Rusne Ivaskeviciute-Povilauskiene, Linas Minkevicius, Ignas Grigelionis, Agnieszka Siemion, Domas Jokubauskis, Kestutis Ikamas, Alvydas Lisauskas, Gintaras Valusis "Coloured Digital Terahertz Holography Within 1.39-4.25 THz range" arXiv:2311.04022 (2023), @2023 [Линк](#) 1.000
703. Sachin, Singh, P., Singh, K. Nonlinear image authentication algorithm based on double fractional Mellin domain (2023) *Nonlinear Dynamics*, 111 (14), pp. 13579-13600. DOI: 10.1007/s11071-023-08540-5, @2023 [Линк](#) 1.000
704. Setiawan, A.M., Munzil, Sugiyanto A literature study of hologram as a science learning media (2023) *AIP Conference Proceedings*, 2595, art. no. 040017, DOI: 10.1063/5.0123700, @2023 [Линк](#) 1.000
705. Shoydin, S.A., Pazoev, A.L. Structured Light Patterns Work Like a Hologram (2023) *Applied Sciences (Switzerland)*, 13 (6), art. no. 4037, DOI: 10.3390/app13064037, @2023 [Линк](#) 1.000
706. Sirvent-Verdú, J.J., García-Vázquez, J.C., Gallego, S., Puerto, D., Neipp, C., Colomina-Martínez, J., Bravo, J.C., Pascual, I., Beléndez, A. Study of the conservation of different holograms sandwiched between glasses (2023) *Proceedings of SPIE - The International Society for Optical Engineering*, 12574, art. no. 1257414, DOI: 10.1117/12.2665307, @2023 [Линк](#) 1.000
707. Tina Sabel-Grau "The Interplay of Processing-Related Influences on the Formation of Volume Holographic Gratings in a Free-Surface Epoxy-Based Recording Material" *Macromol*, 3(2), 211-223 (2023), @2023 [Линк](#) 1.000
708. Tounsi, Y., Kumar, M., Kaur, K., Santoyo, F.-M., Matoba, O., Nassim, A. Speckle-noise filtering based on non-local mean sparse principal component analysis method (2023) *Optics and Lasers in Engineering*, 164, art. no. 107507, DOI: 10.1016/j.optlaseng.2023.107507, @2023 [Линк](#) 1.000
709. Wan, C., Chong, A., Zhan, Q. Optical spatiotemporal vortices *eLight* 3(1), 11 (2023) DOI: 10.1186/s43593-023-00042-6, @2023 [Линк](#) 1.000

710. Yang, J., Li, L.S., He, Q., Li, C., Qu, Y., Wang, L.V. An ultrahigh-fidelity 3D holographic display using scattering to homogenize the angular spectrum (2023) *Science Advances*, 9 (41), art. no. eadi9987, DOI: 10.1126/SCIADV.ADI9987, @2023 [Линк](#) 1.000
711. Yaraghi, S., Mohammadian, N., Mhibik, O., Chang, K.-H., Seder, T., Glebov, L., Divliansky, I. Full-color eye-box expansion via holographic volume gratings recorded in photo-thermo-refractive glass (2023) *Optics Express*, 31 (2), pp. 1755-1763, DOI: 10.1364/OE.478532, @2023 [Линк](#) 1.000
712. Zhang, D., Zhao, Y., Guo, B., Zhang, Z., Hu, D., Wang, Z., Zhu, J., Ye, Y., Zhao, Y. Acrylate dendritic monomers for fabricating holographic data storage media with high performance *European Polymer Journal* 198, 112436 (2023) DOI: 10.1016/j.eurpolymj.2023.112436, @2023 [Линк](#) 1.000
713. Сцепуро Н.Г., Ковалев М.С. "ПРОСТРАНСТВЕННО-СПЕКТРАЛЬНАЯ ФИЛЬТРАЦИЯ СВЕТОВОГО ПОЛЯ С ПОМОЩЬЮ ФАЗОВОГО МОДУЛЯТОРА СВЕТА" *ОПТИКА И СПЕКТРОСКОПИЯ*, Том: 131, Номер: 2, Страницы: 160-169 (2023), @2023 [Линк](#) 1.000
284. Černošek, Z., Černošková, N., Todorov, R., Holubová, J.. Ge30AsxSe70-x bulk glasses from the point of view of chemistry. *Journal of Solid State Chemistry*, 291, 2020, 121599. SJR (Scopus):0.559, JCR-IF (Web of Science):2.726
- Цитира се е:
714. Martina Vlasová, Study of selected properties and structure of bulk non-crystalline materials and thin films, PhD Thesis, University of Pardubice, Czech Republic, 2023., @2023 1.000
715. Xu S.W., Liang T.W., Zhu X.Y. The effect of the structure on the physical properties in GexAs10Se90-x glasses, *Chalcogenide Letters*, 20 (1), 55 - 62, 2023, @2023 [Линк](#) 1.000
285. Rafailov, P.M., Dimitrov, D.Z., Chen, Y-F., Lee, C.-S., Juang, J.-Y.. Symmetry of the Optical Phonons in LuVO4: A Raman Study. *Crystals*, 10, 5, MDPI, 2020, 341. JCR-IF (Web of Science):2.061
- Цитира се е:
716. Xiaoxu Yu, Zhongben Pan, Hongwei Chu, Han Pan, Shengzhi Zhao, and Dechun Li "Diode-pumped efficient high-power cascade Tm: GdVO4 laser simultaneously operating at ~2 μm and ~2.3 μm" *Optics Express Vol. 31, Issue 16*, pp. 26368-26377 (2023), @2023 1.000
286. Lazarova, K., Bozhilova, S., Ivanova, S., Christova, D., Babeva, T.. The Influence of Annealing on Optical and Humidity Sensing Properties of Poly(Vinyl Alcohol-Co-Vinyl Acetal) Thin Films. *Proceedings*, 42, MDPI, 2020, ISSN:2504-3900, DOI:doi:10.3390/ecs-a-6-06555, 16
- Цитира се е:
717. Ku, C.A. and Chung, C.K., "Advances in Humidity Nanosensors and Their Application". *Sensors*, 23(4), p.2328, 2023, @2023 [Линк](#) 1.000
287. Koseva, I., Tzvetkov, P., Ivanov, P., Petrova, P., Tomova, R., Yordanova, A., Nikolov, V.. Terbium-doped calcium germanate (Ca2GeO4) as a potential candidate for LED application. *Journal of Optics (India)*, 49 (3), 2020, DOI:DOI: 10.1007/s12596-020-00634-2, 403-407. SJR (Scopus):0.23
- Цитира се е:
718. Mangali Narsimulu, Koneti Srikanth, Lavudi Narshima, Mudavat Srinivas. "Synthesis and emission characteristics of rare earth ions (Eu3+ and Tb3+) doped calcium orthogermanate phosphors." *Materials Today: Proceedings*, 2023, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2023.03.763>., @2023 [Линк](#) 1.000
719. Naresh Degda, Nimesh Patel, Vishwnath Verma, Kota Venkata Ramana Murthy, Mangalampalli Srinivas. "Luminescence and dosimetry approach in terbium(III)-activated tungstate double perovskite". *Luminescence*, 10 November 2023. <https://doi.org/10.1002/bio.4622>, @2023 [Линк](#) 1.000

2021

288. Machikhin, A., Polschikova, O., Gorevoy, A., Stoykova, E.. Single-shot multi-spectral digital holographic imaging through acousto-optic wavelength scanning. *Proc. SPIE*, 11786, SPIE, 2021, DOI:10.1117/12.2592592, 117860J -1-117860J -6. SJR (Scopus):0.192
- Цитира се е:
720. Liang, J., Xu, J., Zhang, Y., Ye, J., Li, S., Ma, X., ... & Zhou, P. (2023). Hundred-watt-level, linearly polarized multi-wavelength fiber oscillator with wavelength, interval, and intensity tunability. *Journal of Lightwave Technology*., @2023 [Линк](#) 1.000
289. Nedelchev, L., Mateev, G., Strijkova, V., Salgueiriño, V., Schmool, D., Berberova-Buhova, N., Stoykova, E., Nazarova, D.. Tunable Polarization and Surface Relief Holographic Gratings in Azopolymer Nanocomposites with Incorporated Goethite (α-FeOOH) Nanorods. *Photonics*, 8, MDPI, 2021, ISSN:2304-6732, DOI:<https://doi.org/10.3390/photonics8080306>, 306-1-306-12. SJR (Scopus):0.67, JCR-IF (Web of Science):2.676
- Цитира се е:
721. Lazarova K, Christova D, Karashanova D, Georgieva B, Marovska G, Slavov A, Babeva T. "Blending Approach Preparation of PVA-g-PMA Films with Embedded "Green" Synthesized Silver Nanoparticles for Acetone Optical Detection". *Sensors (IF2021: 3.847, Q1) 2023*, vol. 23, art. no. 2941. <https://doi.org/10.3390/s23062941>, @2023 [Линк](#) 1.000

722. R. Julia Rodríguez-González, A. Ramos-Díaz de León, E. Hernández-Hernández, L. Larios-López, A. Yasser Ruiz-Martínez, I. Felix-Serrano, D. Navarro-Rodríguez. "Enhancement of the photoinduced birefringence and inverse relaxation of a liquid crystal azopolymer by doping with carbon nanostructures". *Journal of Photochemistry and Photobiology, A: Chemistry* 2023 (IF2021: 5.141, Q2), vol. 435, art. no. 114342 (9 pp). DOI: <https://doi.org/10.1016/j.jphotochem.2022.114342>, @2023 [Линк](#) 1.000
290. Kircheva, N., Dudev, T.. Competition between abiogenic and biogenic metal cations in biological systems: Mechanisms of gallium's anticancer and antibacterial effect. *Journal of Inorganic biochemistry*, 2021, DOI:<https://doi.org/10.1016/j.jinorgbio.2020.111309>, JCR-IF (Web of Science):3.21
- Цитира се е:
723. Kostova, I. "The Role of Complexes of Biogenic Metals in Living Organisms", *Inorganics*, 2023, @2023 [Линк](#) 1.000
724. Li, Y., Cen, Y., Tu, M., Xiang, Zh., Tang, S., Lu, W., Zhang, H., Xu, J. "Nanoengineered Gallium Ion Incorporated Formulation for Safe and Efficient Reversal of PARP Inhibition and Platinum Resistance in Ovarian Cancer", *Research*, 2023, @2023 [Линк](#) 1.000
725. Liu, S., Ji, Y., Zhu, H., Shi, Z., Li, M., & Yu, Q. "Gallium-based metal-organic framework loaded with antimicrobial peptides for synergistic killing of drug-resistant bacteria.", *Journal of Materials Chemistry B*, 2023, @2023 [Линк](#) 1.000
726. Liu, Y., Yang, F., Pan, Z., Fu, Z., Jiang, X., Cao, Z., Li, J. and Wang, H., Gallium-enabled bactericidal medicine. *Materials Today*, 2023, @2023 [Линк](#) 1.000
727. Mosina, M., Siverino, C., Stipnice, L., Scegljovs, Vasiljevs, R., Moriarty, T.F., Locs, J., "Gallium-Doped Hydroxyapatite Shows Antibacterial Activity against *Pseudomonas aeruginosa* without Affecting Cell Metabolic Activity", *J. Funct. Biomater.*, 2023, @2023 [Линк](#) 1.000
728. O'Ferrall, L. M., Piatek, M., Twamley, B., Kavanagh, K., O'Connor, C., Griffith, D. M. " Synthesis, characterisation and antibacterial activity of novel Ga (III) polypyridyl catecholate complexes". *Dalton Transactions*, 2023, @2023 [Линк](#) 1.000
729. Romani, D., Marchetti, F., Di Nicola, C., Cuccioloni, M., Gong, C., Eleuteri, A.M., Galindo, A., Fadaei-Tirani, F., Nabissi, M., Pettinari, R., "Multitarget-Directed Gallium(III) Tris(acyl-pyrazolonate) Complexes Induce Ferroptosis in Cancer Cells via Dysregulation of Cell Redox Homeostasis and Inhibition of the Mevalonate Pathway", *Journal of Medicinal Chemistry*, 2023, @2023 [Линк](#) 1.000
291. Nikolov, AS, Stankova, NE, **Karashanova, DB**, Nedyalkov, NN, Pavlov, EL, Koev, KT, Najdenski, H, Kussovski, V, Avramov, LA, Ristoscu, C, Badiceanu, M, Mihailescu, IN. Synergistic effect in a two-phase laser procedure for production of silver nanoparticles colloids applicable in ophthalmology. *OPTICS AND LASER TECHNOLOGY*, 138, ELSEVIER SCI LTD THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, OXON, ENGLAND, 2021, ISSN:0030-3992, DOI:10.1016/j.optlastec.2020.106850, 106850. JCR-IF (Web of Science):3.867
- Цитира се е:
730. Alhaji, M, Abd Aziz, MS, Salim, AA, Sharma, S, Kamaruddin, W, Ghoshal, SK. "Customization of structure, morphology and optical characteristics of silver and copper nanoparticles: Role of laser fluence tuning", *Applied Surface Science*, 614, 156176, 2023 j.apsusc.2022.156176Corpus ID_255027798, @2023 [Линк](#) 1.000
731. Marquis, M, Musino, D, Gemin, V, Kolypczuk, L, Passerini, D, Capron, I. "Alginate microgels encapsulation strategy of silver nanoparticles active against *Candida albicans*". *Carbohydrate Polymer Technologies and Applications*, (6), Article number 100405, 2023 DOI10.1016/j.carpta.2023.100405, @2023 [Линк](#) 1.000
732. Sabouri, Z, Oskuee, RK, Sabouri, S, Moghaddas, SSTH, Samarghandian, S, Abdulabbas, HS, Darroudi, M. "Phytoextract-mediated synthesis of Ag-doped ZnO–MgO–CaO nanocomposite using *Ocimum Basilicum* L seeds extract as a highly efficient photocatalyst and evaluation of their biological effects". *Ceramics International*, Volume 49, Issue 12, Pages 20989-20997, 2023 ISSN 0272-8842, DOI10.1016/j.ceramint.2023.03.234., @2023 [Линк](#) 1.000
292. Pereva, S., Sarafska, T., Petrov, V., **Angelova, S.**, Spassov, T.. Inclusion complexes of (S)-naproxen and native cyclodextrins: supramolecular structure and stability. *Journal of Molecular Structure*, 1235, Elsevier, 2021, DOI:10.1016/j.molstruc.2021.130218, 130218. SJR (Scopus):0.45, JCR-IF (Web of Science):2.463
- Цитира се е:
733. Cabrera-Quifones, N.C., López-Méndez, L.J. and Guadarrama, P., 2023. Inclusion and Non-Inclusion Complexes between Curcumin and β -Cyclodextrin with High-Curcumin Loading and Enhanced Aqueous Solubility Obtained by Mechanochemistry. *ChemistrySelect*, 8(45), p.e202303254., @2023 [Линк](#) 1.000
734. Gatiatulina, A.K., Oselskaya, V.Y., Klimovitskii, A.E., Ziganshin, M.A. and Gorbachuk, V.V., 2023. INFLUENCE OF HYDRATION AND THE SIZE OF THE MACROCYCLE OF NATIVE CYCLODEXTRINS ON THE SOLID PHASE INCLUSION OF RITONAVIR. *Journal of Structural Chemistry*, 64(9), pp.1702-1714., @2023 [Линк](#) 1.000
735. Mani, A., Ramasamy, P., Prabhu, A.A.M. and Rajendiran, N., 2023. Investigation of Ag and Ag/Co bimetallic nanoparticles with naproxen-cyclodextrin inclusion complex. *Journal of Molecular Structure*, 1284, p.135301., @2023 [Линк](#) 1.000
293. Nikov, RG, Dikovska, AO, Avdeev, GV, Atanasova, GB, **Karashanova, DB**, Amoruso, S, Ausanio, G, Nedyalkov, NN. Single-step fabrication of oriented composite nanowires by pulsed laser deposition in magnetic field. *MATERIALS TODAY COMMUNICATIONS*, 26, ELSEVIER RADARWEG 29, 1043 NX AMSTERDAM, NETHERLANDS, 2021, ISSN:2352-4928, DOI:10.1016/j.mtcomm.2020.101717, 101717. SJR (Scopus):0.62, JCR-IF (Web of Science):3.383
- Цитира се е:
736. Krajewski, M, Kaczmarek, A, Tokarczyk, M, Lewinska, S, Wloczewski, M, Bochenek, K, Jarzabek, DM, Moscicki, T, Hoffman, J, Slawska-Waniewska, A. "Laser-Assisted Growth of Fe₃O₄ Nanoparticle Films on Silicon Substrate in Open Air". *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*, 220 (6), DOI10.1002/pssa.202200786, @2023 [Линк](#) 1.000

737. Lu, YM, Yang, CL, Wang, H, Ma, LF, Xu, MM, Xi, L. "Structure, principle, and application of magnetic field-assisted pulsed laser deposition: An overview". VACUUM, 211, Article Number 111912, 2023 DOI10.1016/j.vacuum.2023.111912, @2023 [Линк](#) 1.000
294. Vologzhanikova, A., Shevelyova, M., Kazakov, A., Sokolov, A., Borisova, N., Permyakov, E., **Kircheva, N.**, Nikolova, V., Dudev, T., Permyakov, S.. Strontium Binding to α -Parvalbumin, a Canonical Calcium-Binding Protein of the "EF-Hand" Family. Biomolecules, 11, 8, MDPI, 2021, ISSN:2218273X, DOI:10.3390/biom11081158, 1158. SJR (Scopus):1.13, JCR-IF (Web of Science):4.879
- Цитира се е:
738. Tan, P., Zhao, C., Dong, Y., Zhang, Z., Mei, L., Kong, Y., Zeng, F., Wen, Y., Zhao, B. and Wang, J., 2023. A Network Pharmacology and Multi-Omics Combination Approach to Reveal the Effect of Strontium on Ca²⁺ Metabolism in Bovine Rumen Epithelial Cells. International Journal of Molecular Sciences, 24(11), p.9383., @2023 [Линк](#) 1.000
295. Todorova, S, Blin, JL, Naydenov, A, Lebeau, B, **Karashanova, D**, Kolev, H, Gaudin, P, Velinova, R, Vidal, L, Michelin, L, Josien, L, Filkova, D, Ivanova, I, Dotzeva, A, Tenchev, K. Co-Mn oxides supported on hierarchical macro-mesoporous silica for CO and VOCs oxidation. CATALYSIS TODAY, 361, ELSEVIER/RADARWEG 29, 1043 NX AMSTERDAM, NETHERLANDS, 2021, ISSN:0920-5861, DOI:10.1016/j.cattod.2020.01.019, 94-101. JCR-IF (Web of Science):6.766
- Цитира се е:
739. Deng, ZY, Wang, MJ, Zhang, HL, Zhang, CH. "Mn-Zr composite oxides as efficient catalysts for catalytic oxidation of vinyl chloride". NEW JOURNAL OF CHEMISTRY, 47 (19), 9212-9221, 2023 DOI10.1039/d2nj05964a, @2023 [Линк](#) 1.000
740. Tian, XD, Shan, YL, Zhang, J, Yan, ZD, Sun, Y, Ding, WQ, Yu, YB. "The study of Pt/zeolites for CO oxidation: Effects of skeleton structure and Si/Al ratio". CATALYSIS COMMUNICATIONS, 178, Article Number 106679, 2023 DOI10.1016/j.catcom.2023.106679, @2023 [Линк](#) 1.000
741. Wang, J, Wang, P, Wu, Z, Yu, T, Abudula, A, Sun, M, Ma, X, Guan, G. "Mesoporous catalysts for catalytic oxidation of volatile organic compounds: Preparations, mechanisms and applications". Reviews in Chemical Engineering, 39 (4), 541 - 565, 2023 DOI10.1515/revce-2021-0029, @2023 [Линк](#) 1.000
296. Paskaleva, V., **Dobrev, S.**, Kochev, N., **Angelova, S.**, Antonov, L.. Unusual Para-Substituent Effects on the Intramolecular Hydrogen Bond in Hydrazone-Based Switches: Insights from Chemical Landscape Analysis and DFT Calculations. PhysChem, 1, 2, MDPI, 2021, ISSN:2673-7167, DOI:https://doi.org/10.3390/physchem1020013, 189-201
- Цитира се е:
742. Janasik, D., Imielska, P. and Krawczyk, T., 2023. Tuning the pH of Activation of Fluorinated Hydrazone-Based Switches—A Pathway to Versatile 19F Magnetic Resonance Imaging Contrast Agents. ACS sensors, 8(2), pp.721-727., @2023 [Линк](#) 1.000
297. **Blagoeva, B.**, **Stoilova, A.**, **Dimov, D.**, Yordanov, D., **Nazarova, D.**, **Georgiev, A.**, Antonov, L.. Tautomeric influence on the photoinduced birefringence of 4-substituted phthalimide 2-hydroxy Schiff bases in PMMA matrix. Photochem Photobiol Sci, 20, Springer, 2021, DOI:10.1007/s43630-021-00056-4, 687-697. SJR (Scopus):2.987, JCR-IF (Web of Science):3.982
- Цитира се е:
743. Tkachenko, Ihor M., et al. "Azobenzene–N-salicylideneaniline based aromatic polymers as efficient light-responsive materials." Polymer 279 (2023): 125991., @2023 [Линк](#) 1.000
744. V. M. Ovdenko, D. O. Komarenko, S. O. Lisniak, A. V. Ronkovych, V. V. Multian, V. Ya. Gayvoronsky. "The substituent effect on CW laser beam self-action manifestation under UV irradiation of azo-azomethine PMMA composites thin films". Optical Materials ISSN 0925-3467 (IF2021: 3.754, Q2), vol. 138, art. no. 113735 (2023). DOI: https://doi.org/10.1016/j.optmat.2023.113735, @2023 [Линк](#) 1.000
745. Vyshnevsky, Dmitry G., et al. "New substituted pentazadienes as initiators of free-radical polymerization: synthesis, photochemical properties and perspectives for holographic media." Journal of Macromolecular Science, Part A 60.10 (2023): 717-729., @2023 [Линк](#) 1.000
298. **Buchkov, K.**, **Todorov, R.**, Terziyska, P., Gospodinov, M., **Strijkova, V.**, **Dimitrov, D.**, **Marinova, V.**. Anisotropic Optical Response of WTe₂ Single Crystals Studied by Ellipsometric Analysis. Nanomaterials, 11, 9, MDPI, 2021, DOI:https://doi.org/10.3390/nano11092262, 2262. SJR (Scopus):0.839, JCR-IF (Web of Science):5.718
- Цитира се е:
746. Abdol, SO; Shojaei, S and Abdollahipour, B, "Polarization dependent light propagation in WTe₂ multilayer structure", SCIENTIFIC REPORTS, Volume13Issue1 DOI10.1038/s41598-023-40460-7, Aug 2023, @2023 [Линк](#) 1.000
747. Segui, S., Gervasoni, J. L., Arista, N. R., & Mišković, Z. L. Energy loss of charged particles in anisotropic 2D materials using the oscillator model. Micron, 174, 103521, 2023, @2023 [Линк](#) 1.000
748. Tse, G, "The structural, electronic, optical, mechanical and vibrational properties of Te₂W with HSE03 functional", MODERN PHYSICS LETTERS B, DOI10.1142/S021798492350224X, Ayg 2023, @2023 [Линк](#) 1.000
299. **Kircheva, N.**, **Dobrev, S.**, Yakimova, B., Stoineva, I., **Angelova, S.**. Molecular Insights into the Interaction of Angiotensin I-Converting Enzyme (ACE) Inhibitors and HEXXH Motif. Biophysical Chemistry, 276, Elsevier, 2021, ISSN:0301-4622, DOI:https://doi.org/10.1016/j.bpc.2021.106626, 106626. SJR (Scopus):0.564, JCR-IF (Web of Science):1.995
- Цитира се е:

749. Ramlal, A., Bhat, I., Nautiyal, A., Baweja, P., Mehta, S., Kumar, V., Tripathi, S., Mahto, R.K., Saini, M., Mallikarjuna, B.P. and Saluja, S., 2023. **1.000** In silico analysis of angiotensin-converting enzyme inhibitory compounds obtained from soybean [Glycine max (L.) Merr.]. *Frontiers in Physiology*, 14, p.1172684., @2023 [Линк](#)
750. Wang, Z., Liu, S., Zhou, Q., Liu, P., Liao, D., Lan, P., Peng, B. and Lan, X., In-situ encapsulation of angiotensin converting enzyme (ACE) based on mesoporous ZIF-8 coated with polydopamine (PDA): Effect, mechanism and application. *Microporous and Mesoporous Materials*, 362 (2023) p.112788., @2023 [Линк](#) **1.000**
300. **Lazarova, K.**, Bozhilova, S., Ivanova, S., Christova, D., **Babeva, T.**. Flexible and Transparent Polymer-Based Optical Humidity Sensor. *MDPI*, 21, *Sensors*, 2021, DOI:https://doi.org/10.3390/s21113674, 3674. SJR (Scopus):0.64
- Цитира се в:
751. Barzic, A.I., Albu, R.M., Stoica, I., Nechifor, C-D., Avadanei, M.I., Dimitriu, D.G., Dorohoi, D.O. "Birefringent polyvinyl alcohol layers as retardation components for display devices". *Polym Adv Technol.*, 1-11, 2023. doi:10.1002/pat.6196, @2023 [Линк](#) **1.000**
752. Ku, C.-A.; Chung, C.-K. "Advances in Humidity Nanosensors and Their Application: Review." *Sensors*, 23(4), 2328, 2023. **1.000** https://doi.org/10.3390/s23042328, @2023 [Линк](#)
753. Majhi, A.; Orasugh, J.T.; Chattopadhyay, D. "Novel polymeric and classical materials for sensors" in *Polymeric Nanocomposite Materials for Sensor Applications*, Woodhead Publishing, Series in Composites Science and Engineering, pages 61-85, 2023. ISBN: 978-0-323-98830-8;, @2023 [Линк](#) **1.000**
754. Nair, R.R., Jain, A., Shehata, N. "Highly Transparent Piezoelectric PVDF Electrospun Membranes". *Materials Science Forum*, 1109, 11-19, 2023., @2023 [Линк](#) **1.000**
301. Gyurova, AY, Berberov, K, Chinarev, A, Nikolov, L, **Karashanova, D**, Mileva, E. Effect of pH-Regulation on the Capture of Lipopolysaccharides from E. coli EH100 by Four-Antennary Oligoglycines in Aqueous Medium. *Materials*, 14, 24, MDPI, 2021, ISSN:1996-1944, DOI:10.3390/ma14247659, 7659. SJR (Scopus):0.68, JCR-IF (Web of Science):3.748
- Цитира се в:
755. Nandi, S, Nair, KS, Bajaj, H. "Bacterial Outer-Membrane-Mimicking Giant Unilamellar Vesicle Model for Detecting Antimicrobial Permeability". *LANGMUIR*, 39 (16), 5891-5900, 2023 DOI10.1021/acs.langmuir.3c00378, @2023 [Линк](#) **1.000**
302. Staneva, A, Martinov, B, Slavov, S, **Karashanova, D**, Mateeva, J, Melo, BMG, Costa, LC. DIELECTRIC PROPERTIES OF NEW COMPOSITES BASED ON GRAPHENE OXIDE AND NANO-SIZED ZnO. *Journal of Chemical Technology & Metallurgy*, 56, 1, 2021, ISSN:1314-7471, 54-66. SJR (Scopus):0.22
- Цитира се в:
756. Bharatiya, D, Parhi, B, Sahu, H, Swain, SK. "Factors influencing the dielectric properties of GO/MO nanocomposites: review". *Journal of Materials Science: Materials in Electronics*, 34 (5) Article number 452, 2023 DOI10.1007/s10854-023-09928-0, @2023 [Линк](#) **1.000**
303. Aleksandrova M., Ivanova T., **Stijkova V.**, Tsanev T., Singh A. K., Singh J., Gesheva K.. Ga-doped zno coating—a suitable tool for tuning the electrode properties in the solar cells with cds/zns core-shell quantum dots. *Crystals*, 11, MDPI AG, 2021, ISSN:20734352, DOI:10.3390/cryst11020137, 1-11. SJR (Scopus):0.538, JCR-IF (Web of Science):2.4
- Цитира се в:
757. Saikumar, A.K., Sundaresh, S., Nehate, S.D., (...), Abdolvand, R., Sundaram, K.B. , "Work Function Estimation of Gallium-Doped Zinc Oxide Using Transparent Gate Electrode MOSFET", *ECS Journal of Solid State Science and Technology* , 12(3), 033010, 2023, ISSN 21628769, DOI 10.1149/2162-8777/acbede, @2023 [Линк](#) **1.000**
304. Petrov, S., **Marinova, V.**, Ching-Cherng Sun, Ken Yuh Hsu, Shiuian Huei Lin. "Inch-scale graphene-based LC tunable phase retarders: experimental study of surface interaction between liquid crystal-polyamide-graphene layers". *Appl. Surface Science*, 566, Elsevier, 2021, ISSN:0169-4332, DOI:DOI: 10.1016/j.apsusc.2021.150646, 150646. JCR-IF (Web of Science):6.707
- Цитира се в:
758. ИСМАИЛОВ Н.З., ВАЛИЕВ У.С. "СПЕКТРАЛЬНОЕ РАСПРЕДЕЛЕНИЕ ЭНЕРГИИ У ЗВЕЗД ТИПА Т ТЕЛЬЦА С ОСТАТОЧНЫМ ДИСКОМ" *АСТРОНОМИЧЕСКИЙ ЖУРНАЛ* ISSN: 0004-6299 10.31857/S0004629922100061 (2023), @2023 **1.000**
305. Liu, J., Cao, L., **Stoykova, E.**, Ferraro, P., Blanche, P.. Digital Holography and 3D Imaging 2020: introduction to the feature issue. *JOSA A*, 38, 2, OPTICA Publishing, 2021, DOI:10.1364/JOSAA.419210, DH1-DH2. JCR-IF (Web of Science):2.129
- Цитира се в:
759. Ji, C., Fang, M., Xin, L., He, K., Li, Y., Wang, X., & Tian, J. (2023). Snapshot dual-view 3D imaging. *AIP Advances*, 13(4), @2023 [Линк](#) **1.000**
306. Atanassova, M., **Angelov, R.**, Gerginova, D., **Karashanova, D.**. Neutral organophosphorus ligands as a molecular lab for simultaneous detecting of Ag(I) ions. *Journal of Molecular Liquids*, 335, 1, Elsevier, 2021, ISSN:0167-7322, DOI:10.1016/j.molliq.2021.116287, SJR (Scopus):0.883, JCR-IF (Web of Science):5.065
- Цитира се в:

760. Djebabra, S, Rehali, H, Mimi, W. "Investigations into the Extraction of Copper (II) using Methyl Isobutyl ketone solvent". CHEMISTRYSELECT, 1.000 8 (7), Article Number e202203045, 2023 DOI10.1002/slct.202203045, @2023 [Линк](#)
307. **Dimitrov, D.**, Chen Z.F., **Marinova, V.**, **Petrova, D.**, Ho C.Y., **Napoleonov, B.**, Blagoev, B., **Strijkova, V.**, Hsu K.Y., Lin S.H., Juang J.-Y.. ALD Deposited ZnO:Al Films on Mica for Flexible PDLC Devices. Nanomaterials, 11, 4, Multidisciplinary Digital Publishing Institute (MDPI), 2021, ISSN:2079-4991, DOI:doi.org/10.3390/nano11041011, 1011-1022. JCR-IF (Web of Science):5.34
- Цитира се в:
761. Guanglei Zhang, Yanqing Xu, Shuai Yang, Shuxia Ren, Yinan Jiao, Ye Wang, Xuena Ma, Hao Li, Weizhong Hao, Caili He, Xiaomin Liu, Jinjin Zhao "Robust mica perovskite photoelectric resistive switching memory" Nano Energy, Vol. 106, 108074 (2023), ISSN 22112855, DOI 10.1016/j.nanoen.2022.108074, @2023
762. Jiali Zhou, Xuan Zhang, Xiaofeng Zhang, Wenqiao Zhang, Yuandong Chen, Huilei Shi and Yue Yan "Effects of dielectric layer on ductility for dielectric/Au/dielectric multilayers on polycarbonate substrate" J. Phys. D: Appl. Phys. 56 (43) 43530 (2023), @2023
763. Jinxing He, Yunfei Hu, Bingliang Zhang, YunHua Cai & Sicheng Wan "Effects of pre-deposition on the optoelectronic properties of AZO films by atomic layer deposition" Journal of Materials Science: Materials in Electronics, 34(25)1752 (2023), @2023
764. Ouyang, Kuo; Duan, Tian-peng; Huang, Wen-qiang; Zhan, Qian; Chen, Peng; Jiang, Limei; Sun, Lizhong; Zhou, Yichun; Liao, Jiajia; Yang, Qiong; Jiang, Jie, "Large-Scale, High-Transparency, Ultra-thin ITO Membranes with Robust Conductivity and Flexibility" Acta Materialia, Volume 260, 1193341 (2023), @2023
308. Wubetu, G.A., **Marinova, V.**, Goovaerts, E. .. Optical study of relaxation dynamics of photo-induced absorption of Cr-doped Bi12SiO20 crystals. Physica B: Condensed Matter, 608, 2021, 412778. SJR (Scopus):0.49, JCR-IF (Web of Science):2.436
- Цитира се в:
765. T. V. Panchenko, M. P. Trubitsyn "Thermally induced effects in the optical absorption of pure and doped Bi12SiO20 single crystals" Ukrainian Journal of Physical Optics. Vol. 24 Issue 4, p4001-4007. 7p. (2023), @2023 [Линк](#)
309. Kancheva, V. D., Dettori, M. A., Fabbri, D., Alov, P., **Angelova, S.**, Slavova-Kasakova, A., Carta, P., Menshov, V., Yablonskaya, O., Trofimov, A., Tsakovska, I., Saso, L.. Natural chain-breaking antioxidants and their synthetic analogs as modulators of oxidative stress. Antioxidants, 10, MDPI, 2021, ISSN:2076-3921, DOI:https://doi.org/10.3390/antiox10040624, 624. SJR (Scopus):1.1, JCR-IF (Web of Science):5.014
- Цитира се в:
766. Akpoveso, O.O.P., Ubah, E.E. and Obasanmi, G., 2023. Antioxidant Phytochemicals as Potential Therapy for Diabetic Complications. Antioxidants, 12(1), p.123., @2023 [Линк](#)
767. Dada, S., Fabyi-Edebor, T., Akintoye, O., Ezekpo, O., Dada, O., Bamikefa, T., Sanya, J., Dada, O.S. and Adetoun, B.T., 2023. α -Tocopherol Ameliorates Redox Equilibrium Disorders and Reduces Inflammatory Response Caused by Diclofenac-Induced Nephrotoxicity in Male Wistar Rats. Cureus, 15(12), e50474. DOI: 10.7759/cureus.50474, @2023 [Линк](#)
768. Dariya, B., Girish, B.P., Merchant, N., Srilatha, M. and Nagaraju, G.P., 2023. Resveratrol: biology, metabolism, and detrimental role on the tumor microenvironment of colorectal cancer. Nutrition Reviews, p.nuad133., @2023 [Линк](#)
769. Kahimbi, H., Kichonge, B. and Kivevele, T., The Potential of Underutilized Plant Resources and Agricultural Wastes for Enhancing Biodiesel Stability: The Role of Phenolic-Rich Natural Antioxidants. International Journal of Energy Research, Volume 2023 | Article ID 9389270 | https://doi.org/10.1155/2023/9389270, @2023 [Линк](#)
770. Migheli, R., Lostia, G., Galleri, G., Rocchitta, G., Serra, P.A., Campesi, I., Bassareo, V., Acquas, E. and Peana, A.T., 2023. New perspective for an old drug: Can naloxone be considered an antioxidant agent?. Biochemistry and Biophysics Reports, 34, p.101441., @2023 [Линк](#)
771. Rusina, I.F., Veprintsev, T.L. and Vasil'ev, R.F., 2022. Antioxidant Activity of Diatomic Phenols. Russian Journal of Physical Chemistry B, 16(1), pp.50-57., @2023 [Линк](#)
772. Valgimigli, L., Lipid Peroxidation and Antioxidant Protection. Biomolecules, 13(9), p.1291., @2023 [Линк](#) 1.000
310. Tsoncheva, T., Spassova, I., Issa, G., Ivanova, R., Kovacheva, D., Paneva, D., **Karashanova, D.**, Velinov, N., Tsyntsarski, B., **Georgieva, B.**, Dimitrov, M., Petrov, N. Ni0.5M0.5Fe2O4 (M = Cu, Zn) Ferrites Hosted in Nanoporous Carbon from Waste Materials as Catalysts for Hydrogen Production. Waste and Biomass Valorization, 11, 5, Springer, 2021, ISSN:1877-2641, DOI:10.1007/s12649-020-01094-2, 1-14. JCR-IF (Web of Science):2.358
- Цитира се в:
773. Xie, X, Wang, Y, Sun, X, Hou, C, Du, W. "1 - Magnetic nanoferrites and related carbon-containing composites: synthesis, opportunities, and prospects". Editor(s): Susheel Kalia, Rohit Jasrotia, Virender Pratap Singh, In Woodhead Publishing Series in Composites Science and Engineering, Magnetic Nanoferrites and their Composites, Woodhead Publishing, Pages 1-14, 2023, @2023 [Линк](#)
774. Yang, WW, Ma, X, Tang, XY, Dou, PY, Yang, YJ, He, YL. "Review on developments of catalytic system for methanol steam reforming from the perspective of energy-mass conversion". Fuel, 345, 2023, @2023 [Линк](#)
311. Popova, M, Szegedi, A, Oykova, M, Lazarova, H, Koseva, N, Mihályi, MR, **Karashanova, D**, Mitrev, Y, Shestakova, P. Hydrodemethoxylation/Dealkylation on Bifunctional Nanosized Zeolite Beta. Molecules, 26, 7694, MDPI, 2021, ISSN:1420-3049, DOI:https://doi.org/10.3390/molecules26247694, SJR (Scopus):0.78, JCR-IF (Web of Science):4.412
- Цитира се в:

775. Li, DQ, Wang, L, Lu, YQ, Deng, H, Zhang, ZL, Wang, YJ, Ma, Y, Pan, TT, Zhao, Q, Shan, YL, Shi, XY, Ma, JZ, He, H. "New insights into the catalytic mechanism of VOCs abatement over Pt/Beta with active sites regulated by zeolite acidity". APPLIED CATALYSIS B-ENVIRONMENTAL, 334, Article Number 122811, 2023 DOI10.1016/j.apcatb.2023.122811, @2023 [Линк](#) 1.000
312. Hristova-Avakumova, N., Valcheva, E. P., Anastassova, N. O., Nikolova-Mladenova, B. I., Atanasova, L. A., **Angelova, S.**, Yancheva, D. Y.. In vitro and in silico studies of radical scavenging activity of salicylaldehyde benzoylhydrazones. Journal of Molecular Structure, 1245, 5, Elsevier, 2021, ISSN:0022-2860, DOI:https://doi.org/10.1016/j.molstruc.2021.131021, 131021. JCR-IF (Web of Science):3.196
- Цитира се е:
776. Arora, T., Devi, J., Dubey, A., Tufail, A. and Kumar, B., Spectroscopic studies, antimicrobial activity, and computational investigations of hydrazone ligands endowed metal chelates. Applied Organometallic Chemistry, p.e7209., @2023 [Линк](#) 1.000
777. Singh, G., Sharma, S., Singh, A., Devi, A., Gupta, S., Malik, P., Khurana, S. and Soni, S., 2023. Detection of 2, 4-dichlorophenoxyacetic acid in water sample by organosilane based silica nanocomposites. Science of The Total Environment, 858, p.159594., @2023 [Линк](#) 1.000
778. Wanjala Wafula, K., Kiambi Mworira, J. and Piero Ngugi, M., 2023. Phytochemical Screening and In Vitro Evaluation of the Antioxidant Potential of Dichloromethane Extracts of Strychnos henningsii Gilg. and Ficus sycomorus L. The Scientific World Journal, Volume 2023, Article ID 8494176, @2023 [Линк](#) 1.000
313. Nikov, Ro, Dikovska, A, Nedyalkov, N, **Nikova, T, Karashanova, D.** Nanosecond laser ablation of composite thin films in liquid. Journal of Physics: Conference Series, 1859, 012012, IOP Publishing, 2021, ISSN:1742-6588, DOI:10.1088/1742-6596/1859/1/012012, 1-5. SJR (Scopus):0.21
- Цитира се е:
779. Garcia-de-los-Rios, VM, Arano-Martínez, JA, Trejo-Valdez, M, Hernández-Pichardo, ML, Vidales-Hurtado, MA, Torres-Torres, C. "Fractional Photoconduction and Nonlinear Optical Behavior in ZnO Micro and Nanostructures". Fractal Fract., 7(12), 885, 2023 DOI10.3390/fractalfract7120885, @2023 [Линк](#) 1.000
314. Slavova-Kazakova, A., **Angelova, S.**, Fabbri, D., Dettori, M. A., Kancheva, V. D., Delogu, G.. Antioxidant properties of novel curcumin analogues: a combined experimental and computational study. Journal of Food Biochemistry, 45, 1, Wiley-Blackwell, 2021, ISSN:1745-4514, DOI:10.1111/jfbc.13584, e13584. SJR (Scopus):0.399, JCR-IF (Web of Science):1.662
- Цитира се е:
780. Bērziņa, L. and Mieriņa, I., Antiradical and Antioxidant Activity of Compounds Containing 1, 3-Dicarbonyl Moiety: An Overview. Molecules, 28(17), p.6203., @2023 [Линк](#) 1.000
781. Qiu, Y., Wang, Y., Lu, J., Zhu, Q., Jia, L., Lei, F., Shen, L., Jiang, L. and Wu, A., 2023. Synthesis, spectroscopic analysis, DFT, docking, MD and antioxidant activity of tetrahydrocurcumin. Journal of Biomolecular Structure and Dynamics, pp.1-13., @2023 [Линк](#) 1.000
315. **Lovchinov, K.**, Slavov, K., **Alexieva, G.**, **Ivanov, P.**, **Marinov, G.**, **Gergova, R.**, **Strijkova, V.**, **Babeva, T.**. Study of ZrO₂ nanolayers deposited electrochemically on different conductive substrates. Materials Science in Semiconductor Processing, 131, 105843, 2021, ISSN:1369-8001, DOI:https://doi.org/10.1016/j.mssp.2021.105843, SJR (Scopus):0.665, JCR-IF (Web of Science):3.088
- Цитира се е:
782. Mansoor, A., Anjum, S., Mustafa, Z., (...), Sattar, M., Ilayas, T. "Erbium substituted baddeleyites (Er_xZr_(1-x)O₂): Structural, ferroelectric, magnetic and electrochemical analysis for supercapacitors electrodes using walnut shells charcoal". Ceramics International 49(24), pp. 39825-39842, @2023 [Линк](#) 1.000
316. Tseng, Y.-C., Li, C.-M., Jian, S.-R., Lee, P.-H., Gospodinov, M.M., **Marinova, V**, **Dimitrov, D.Z.**, Luo, C.W., Wu, K.-H., Zha, D.-Z., Juang, J.-Y.. Structural and electronic phase transition in Bi₂Se_{2.1}Te_{0.9} under pressure. Journal of Physics and Chemistry of Solids, 156, 2021, 110123. JCR-IF (Web of Science):3.995
- Цитира се е:
783. Estelina Lora da Silva, Mario C. Santos, Plácida Rodríguez-Hernández, Alfonso Muñoz, and Francisco Javier Manjón "Theoretical Study of Pressure-Induced Phase Transitions in Sb₂S₃, Bi₂S₃, and Sb₂Se₃" Crystals, 13(3), 498 (2023), @2023 [Линк](#) 1.000
317. **Marinova, V**, Petrov, S, **Napoleonov, B**, Mickovski, J, **Petrova, D**, **Dimitrov, D**, Hsu, K.-Y., Lin, S.-H.. Multilayer Graphene for Flexible Optoelectronic Devices. Materials Proceedings, 4, 1, 2021, DOI:10.3390/IOC2020-07900, 65
- Цитира се е:
784. Eun Mi Kim, Su Jin Kim, Go Bong Choi, Jaeeun Lee, Min Mo Koo, Jaewoong Kim, Young Won Kim, Jongho Lee, Jin Hyeok Kim, Tae Hoon Seo "A Graphene-Based Polymer-Dispersed Liquid Crystal Device Enabled through a Water-Induced Interface Cleaning Process" Nanomaterials, 13(16), 2309; (2023), @2023 1.000
318. Nikolova, V., Velinova, A., **Dobrev, S.**, **Kircheva, N.**, **Angelova, S.**, Dudev, T.. Host-guest complexation of cucurbit[7]uril and cucurbit[8]uril with the antineoplastic and multiple sclerosis (MS) agent mitoxantrone (Novantrone). J. Phys. Chem. A, 125, 2, ACS, 2021, ISSN:1089-5639, DOI:10.1021/acs.jpca.0c08544, 536-542. SJR (Scopus):0.75, JCR-IF (Web of Science):2.6
- Цитира се е:

785. Adamson, J., Roithmeyer, H., Uudsemaa, M., Trummal, A., Brük, M.L., Krämer, S., Reile, I., Rjabovs, V., Palmi, K., Rammo, M. and Aav, R., 2023. Large Azobenzene Macrocycles: Formation and Detection by NMR and MS Methods. *Supramolecular Chemistry*, 34:2, 77-86, DOI: 10.1080/10610278.2023.2230334, @2023 [Линк](#)
786. Roithmeyer, H., Uudsemaa, M., Trummal, A., Brük, M.L., Krämer, S., Reile, I., Rjabovs, V., Palmi, K., Rammo, M., Aav, R. and Kalenius, E., 2023. Large Stimuli-Responsive Azobenzene Macrocycles as Functional Cavitands: Synthesis and Detection by NMR and MS Methods., @2023 [Линк](#)
319. **Berberova-Buhova, N., Nedelchev, L., Mateev, G., Stoykova, E., Strijkova, V., Nazarova, D.** Influence of the size of Au nanoparticles on the photoinduced birefringence and diffraction efficiency of polarization holographic gratings in thin films of azopolymer nanocomposites. *Optical Materials*, 121, Elsevier, 2021, ISSN:0925-3467, DOI:https://doi.org/10.1016/j.optmat.2021.111560, 111560-1-111560-9. SJR (Scopus):0.6, JCR-IF (Web of Science):3.08
Цитира се е:
787. Lazarova K, Christova D, Karashanova D, Georgieva B, Marovska G, Slavov A, Babeva T. "Blending Approach Preparation of PVA-g-PMA Films with Embedded "Green" Synthesized Silver Nanoparticles for Acetone Optical Detection". *Sensors (IF2021: 3.847, Q1) 2023*, vol. 23, art. no. 2941. <https://doi.org/10.3390/s23062941>, @2023 [Линк](#)
788. Z. Lin, B. Wang, Z. Huang, W. Zhu, Y. Zhou, L. Li, Z. Li, G. Liang, J. Hong. "Propagation of reflective three-output with dual-layered grating in second-order Littrow configuration". *Journal of Optoelectronics and Advanced Materials (IF2021: 0.5, Q4)*, Vol. 25, Iss. 1-2, pp. 24-29 (2023)., @2023 [Линк](#)
320. **Minev, N., Buchkov, K., Dikov, H., Videva, V., Avramova, I., Rafailov, P., Dimitrov, D., Marinova, V.** Properties Analysis of 2D PtSe₂ Layers Grown by Thermally Assisted Conversion of Chemical Vapor Deposition. *IEEE Xplore, Institute of Electrical and Electronics Engineers Inc.*, 2021, ISBN:978-166544518-4, DOI:10.1109/ET52713.2021.9579921, 1-4. SJR (Scopus):0.11
Цитира се е:
789. Susheel Kumar Singh, Akash Srivastava, L. K. Dwivedi & Sunil. P. Singh "Detection of biological contamination protozoa in drinking water using surface plasmon resonance-based technique" *Optical Review*, volume 30, pages 478–484 (2023), @2023 [Линк](#)
321. **Lazarova, K., Bozhilova, S., Ivanova, S., Christova, D., Babeva, T.** Study of the Effect of Bending Deformation on the Performance of Flexible Polymer Layered Humidity Sensor. *Engineering Proceedings*, 6, MDPI, 2021, 1
Цитира се е:
790. Siregar, F.H., Setianingsih, C. and Saputra, R.E., "Perancangan Sistem Monitoring Budidaya Lebah Berbasis IoT". *eProceedings of Engineering*, 10(5), 4556, 2023, @2023
322. Zhou, H., **Stoykova, E.**, Hussain, M., Banerjee, P.. Performance analysis of phase retrieval using transport of intensity with digital holography. *Applied Optics*, 60, 4, OSA Publishing, 2021, DOI:doi.org/10.1364/AO.404390, A83-A94. SJR (Scopus):0.749, JCR-IF (Web of Science):2.18
Цитира се е:
791. Kim, J. H., Jang, S. H., & Kim, Y. J. (2023). Photolithographic patterning on multi-wavelength quantum dot film of the improved conversion efficiency for digital holography. *Optics Express*, 31(21), 34667-34676., @2023 [Линк](#)
323. Angelova, G, Brazkova, M, Stefanova, P, Blazheva, D, Vladev, V, Petkova, N, Slavov, A, Denev, P, **Karashanova, D**, Zaharieva, R, Enev, A, Krastanov, A. Waste Rose Flower and Lavender Straw Biomass-An Innovative Lignocellulose Feedstock for Mycelium Bio-Materials Development Using Newly Isolated *Ganoderma resinaceum* GA1M. *JOURNAL OF FUNGI*, 7, 10, 2021, ISSN:2309-608X, DOI:10.3390/jof7100866, 866. JCR-IF (Web of Science):5.816
Цитира се е:
792. Balaes, T, Radu, BM, Tanase, C. "Mycelium-Composite Materials-A Promising Alternative to Plastics?". *JOURNAL OF FUNGI*, 9 (2), Article Number 210, 2023 DOI10.3390/jof9020210, @2023 [Линк](#)
793. Dintcheva, NT, Morici, E. "Recovery of Rose Flower Waste to Formulate Eco-Friendly Biopolymer Packaging Films". *MOLECULES*, 28 (7), Article Number 3165, 2023 DOI10.3390/molecules28073165, @2023 [Линк](#)
794. Li, X, Baran, SS, Orange, F, Bonjour, E, Jame, P, Verger-Dubois, G, Mija, A, Lomenech, C, Kuzhir, P. "Conversion of Lavandula Straw into High-Quality Solid Fuel: Effect of Hydrothermal Carbonization Conditions on Fuel Characteristics", *Bioenergy Research*, 16 (2), 1156 - 1172, 2023 DOI10.1007/s12155-022-10492-4, @2023 [Линк](#)
795. Santulli, C. "Mycelium-grown composites as a multidisciplinary way for the development of innovative materials for design and architecture". Published in *Cuaderno 190 | Centro de Estudios en Diseño y Comunicación (2023/2024)*. pp 165-179 ISSN 1668-0227 DOI:10.18682/cdc.vi190.9537, @2023 [Линк](#)
796. Womer, S, Huynh, T, John, S. "Hybridizations and reinforcements in mycelium composites: A review". *Bioresource Technology Reports*, 22, Article number 101456, 2023 DOI10.1016/j.biteb.2023.101456, @2023 [Линк](#)
797. Xu, BJ. "Fungal Biotechnology and Applications". *JOURNAL OF FUNGI*, 9 (9), Article Number 871, 2023 DOI10.3390/jof9090871, @2023 [Линк](#)

324. Lyubomir Aleksandrov, Margarita Milanova, Reni Iordanova, **Reni Tomova**, **Petia Petrova**, Nikolay Nedyalkov. Structure And Luminescent Properties Of Eu3+ Doped Glass In The System Wo3-La2O3-B2O3-Nb2O5. Journal of Chemical Technology and Metallurgy, 56, 1, 2021, 67-74. SJR (Scopus):0.25
Цитирана се е:
798. Lozinskii, N.S., Moroz, Y.A. & Lopanov, A.N. "Effect of Oxides of Various Metals on the Physicochemical Properties of Glass in the PbO–CdO–SiO2–B2O3–Al2O3 System." Glass Phys Chem 49, 136–149 (2023). <https://doi.org/10.1134/S1087659622601101>, @2023 [Линк](#) 1.000
799. Shiyu Xu, Junjie Fu, Xuening Liu, Meiyu Yuan, Chaoqun Zhang, Haibo Wang, Guangxi Liu, Sheng Cui. "Analysis of thermal chromaticity stability, energy transfer and colour tuneability of Dy3+-Eu3+ doped BBZL glasses for high-power W-LED applications." Ceramics International, 49, 1s 3, 2023, 5228-5238, ISSN 0272-8842, <https://doi.org/10.1016/j.ceramint.2022.10.041>. (<https://www.sciencedirect.com/science/article/pii/S0272884222036227>), @2023 [Линк](#) 1.000
800. Лозинский Н.С., Мороз Я.А., Лопанов А.Н. Влияние оксидов различных металлов на физико-химические свойства стекол системы PbO–CdO–SiO2–B2O3–Al2O3 // Fizika i himiia stekla. - 2023. - Vol. 49. - N. 2. - P. 130-147. doi: 10.31857/S013266512260025X, @2023 [Линк](#) 1.000
325. Nedyalkov, N, Nikov, R, Nikov, Ru, Dikovska, A, **Karashanova, D**, Grochowska, K, Karczewski, J, Sliwinski, G, Terakawa, M. Pulsed laser deposition of plasmonic structures in air by irradiation through the substrate. THIN SOLID FILMS, 734, ELSEVIER SCIENCE SAPO BOX 564, 1001 LAUSANNE, SWITZERLAND, 2021, ISSN:0040-6090, DOI:10.1016/j.tsf.2021.138836, 138836. SJR (Scopus):0.54, JCR-IF (Web of Science):2.183
Цитирана се е:
801. Bonjakhi, M, Mahdieh, MH. "The Effects of Thermal Annealing and Postirradiation on Silver Nanoparticle Films Fabricated by Pulsed Laser Deposition in the Flowless Open Air". PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, 220 (17), 2023 DOI10.1002/pssa.202300307, @2023 [Линк](#) 1.000
326. Stankova, N, Nikolov, A, Iordanova, E, Yankov, G, Nedyalkov, N, Atanasov, P, Tatchev, D, Valova, E, Kolev, K, Arnyanov, S, **Karashanova, D**, Fukata, N. New Approach toward Laser-Assisted Modification of Biocompatible Polymers Relevant to Neural Interfacing Technologies. POLYMERS, 13, 17, MDPIST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND, 2021, ISSN:2073-4360, DOI:10.3390/polym13173004, 3004. JCR-IF (Web of Science):4.329
Цитирана се е:
802. Kechagias, JD, Fountas, NA, Ninikas, K, Vaxevanidis, NM. "Kerf Geometry and Surface Roughness Optimization in CO2 Laser Processing of FFF Plates ". JOURNAL OF MANUFACTURING AND MATERIALS PROCESSING, 7 (2), Article Number 77, 2023 DOI10.3390/jmmp7020077, @2023 [Линк](#) 1.000
803. Rowthu, S, Mattaparthi, S, Siringil, E, Hofmann, P. "Sewage Water-Repellent PDMS and Magnetic Silicone Composites: Lab to Commercialization". ACS APPLIED POLYMER MATERIALS, 5 (8), 6161-6175, 2023 DOI10.1021/acsapm.3c00822, @2023 [Линк](#) 1.000
327. Zagranjarski, Y., Mutovska, M., **Petrova, P.**, **Tomova, R.**, **Ivanov, P.**, Stoyanov, S.. Dioxin-annulated 1,8-naphthalimides – Synthesis, spectral and electrochemical properties, and application in OLED(. Dyes and Pigments, 184, elsevier, 2021, DOI:<https://doi.org/10.1016/j.dyepig.2020.108585>, SJR (Scopus):0.83, JCR-IF (Web of Science):4.889
Цитирана се е:
804. Liankun Ai, Xin Xie, Baolin Li, Ying Wang. "Pure blue emitters based on benzo[4, 5]thieno-S, S-dioxide-[3, 2-b]benzofuran with high thermal stability". Dyes and Pigments, 213, 2023, 111153, ISSN 0143-7208, <https://doi.org/10.1016/j.dyepig.2023.111153>, @2023 [Линк](#) 1.000
805. Misra, Rajneesh Misra and Bijesh, S and Maragani, Ramesh and Reddy, T. S. and Mobin, Shaikh, Synthesis of Cpco(Dithiolene)-Naphthalimide and Their Electronic Properties. Available at SSRN: <https://ssrn.com/abstract=4580609> or <http://dx.doi.org/10.2139/ssrn.4580609>, @2023 [Линк](#) 1.000
328. Koseva, I., Nikolov, V., Tzvetkov, P., Gancheva, M., **Ivanov, P.**, **Petrova, P.**, **Tomova, R.**. Glass formation and glass ceramics in the system CaO-GeO2-Li2O-B2O3-Re2O3(Re=Eu3+, Tb3+, Dy3+). Journal of Non-Crystalline Solids, 552, Elsevier, 2021, DOI:<https://doi.org/10.1016/j.jnoncrysol.2020.120442>, SJR (Scopus):0.71
Цитирана се е:
806. Mu Tang, Weiwei Zhu, Yuanxun Shen, Shupeng Wang, Haohao Zou, Qi Sui, Ying Han, Xu Ran. "Similarities and differences in the interfacial microstructure and mechanical properties of alumina/alumina joints bonded with dysprosium- and neodymium-aluminosilicate glass filler." Ceramics International, 49, 1s 9, Part A, 2023, Pages 14777-14790, ISSN 0272-8842, <https://doi.org/10.1016/j.ceramint.2023.01.074>, @2023 1.000
807. Mushtaq, U., Ayoub, I., Hussain, N., Sharma, V., Swart, H.C., Kumar, V. (2023). Luminescence Properties of Rare-Earth-Doped CaO Phosphors. In: Kumar, V., Sharma, V., Swart, H.C. (eds) Advanced Materials for Solid State Lighting. Progress in Optical Science and Photonics, vol 25. Springer, Singapore. https://doi.org/10.1007/978-981-99-4145-2_6, @2023 [Линк](#) 1.000
808. Shiyu Xu, Junjie Fu, Xuening Liu, Meiyu Yuan, Chaoqun Zhang, Haibo Wang, Guangxi Liu, Sheng Cui. Analysis of thermal chromaticity stability, energy transfer and colour tunability of Dy3+-Eu3+ doped BBZL glasses for high-power W-LED applications. Ceramics International, 49, 3, 2023, 5228-5238. ISSN 0272-8842, <https://doi.org/10.1016/j.ceramint.2022.10.041>. (<https://www.sciencedirect.com/science/article/pii/S0272884222036227>), @2023 [Линк](#) 1.000

329. Rabadzhiyska, S., Kotlarski, G., Shipochka, M., Rafailov, P., Ormanova, M., **Strijkova, V.**, Dimcheva, N., Valkov, S.. Duplex Surface Modification of 304-L SS Substrates by an Electron-Beam Treatment and Subsequent Deposition of Diamond-like Carbon Coatings. *Coatings*, 12, 3, MDPI, 2022, ISSN:20796412, DOI:10.3390/coatings12030401, 401. JCR-IF (Web of Science):0.484
[Цитира се е:](#)
809. de Proença, J.P., Ribeiro, R.P., Rangel, E.C., (...), Grandini, C.R., Correa, D.R.N., "Alloying Element Depletion and Phase Transition in Stainless Steel 304 Induced by PEO Treatment in KOH- and TaOH-Rich Electrolyte", *Crystals* Open Access Volume 13, Issue 100, Article number 1480, October 2023, @2023 [Линк](#) 1.000
810. Du Y., Chen, Z., Gong, Y., et al., "1D Copper-based nanowire decorated with trimetallic nanoparticles affording abundant edges toward hydrogen generation in wide pH range", *Fuel*, V. 3411, June 2023, ISSN 00162361, DOI 10.1016/j.fuel.2023.127719, @2023 [Линк](#) 1.000
330. **Todorov, R., Hristova-Vasileva, T., Katrova, V., Atanasova, A., Milushev, G.** Electronic structure and plasmonic activity in co-evaporated Ag-In bimetallic alloys. *Journal of Alloys and Compounds*, 897, Elsevier, 2022, ISSN:0925-8388, DOI:10.1016/j.jallcom.2021.163253, 163253. SJR (Scopus):1.079, JCR-IF (Web of Science):6.2
[Цитира се е:](#)
811. Almotiri, R.A., Qasrawi, A.F. Enhanced properties of indium thin films by stacking with platinum nanosheets designed for advanced terahertz/gigahertz applications, *Optical and Quantum Electronics*, 55, 478, 2023, @2023 [Линк](#) 1.000
331. Kutálek, P., Knotek, P., Janicek, P., **Todorov, R.**, Cernoskova, E., Smolik, J., **Atanasova, A.**, Tichy, L.. Photo-induced solid-state reaction on the interface of As₂S₃-Ge₃₀Se₇₀ thin films. *Optical Materials*, 123, 2022, ISSN:0925-3467, DOI:10.1016/j.optmat.2021.111897, 111897. SJR (Scopus):0.611, JCR-IF (Web of Science):3.9
[Цитира се е:](#)
812. Jena, B.J., Das, S., Senapati, S. and Naik, R., Stability of Ag₂S/As₂Se₃ thin films under time dependent laser irradiation and its impact on linear-nonlinear optical properties for optoelectronic applications, *Optics & Laser Technology*, 164, 109461, 2023, @2023 [Линк](#) 1.000
332. **Lovchinov, K., Gergova, R., Alexieva, G.** Structural, Morphological and Optical Properties of Nanostructured ZrO₂ Films Obtained by an Electrochemical Process at Different Deposition Temperatures. *Coatings*, 12, 7, MDPI, 2022, ISSN:2079-6412, DOI:10.3390/coatings12070972, 972. JCR-IF (Web of Science):3.236
[Цитира се е:](#)
813. Stambolova, I., Stoyanova, D., Shipochka, M., Boshkova, N., Simeonova, S., Grozev, N., Avdeev, G., Dimitrov, O., Boshkov, N. "Corrosion-Resistive ZrO₂ Barrier Films on Selected Zn-Based Alloys", *Materials*, 16(24), 7673, @2023 [Линк](#) 1.000
333. **Strijkova-Kenderova, V.**, Todinova, S., Andreeva, T., Bogdanova, D, Langari, A., Danailova, A., Krumova, S., Zlatareva, E., Kalaydzhev, N., Milanov, I., Taneva, S.. Morphometry and Stiffness of Red Blood Cells—Signatures of Neurodegenerative Diseases and Aging. *International Journal of Molecular Sciences*, 23, 1, MDPI, 2022, ISSN:1661-6596, DOI:10.3390/ijms23010227, 227. JCR-IF (Web of Science):5.924
[Цитира се е:](#)
814. Dounavi, M.-E., Mak, E., Swann, P., (...), Ritchie, C.W., O'Brien, J.T., "Differential association of cerebral blood flow and anisocytosis in APOE ε4 carriers at midlife", *Journal of Cerebral Blood Flow and Metabolism*, ISSN 0271678X, DOI 10.1177/0271678X231173587, @2023 [Линк](#) 1.000
815. Kandapal, S and Xu, BQ, "Atomic Force Microscopy as a Tool to Study Transport Phenomena in Biological Systems", *PROCESSES*, Volume11, Issue8, DOI10.3390/pr11082430, Avg 2023, @2023 [Линк](#) 1.000
816. Kozlova, E; Sherstyukova, E; (...); Chernysh, A, "Atomic Force Microscopy and High-Resolution Spectrophotometry for Study of Anoxemia and Normoxemia in Model Experiment In Vitro", *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, Volume24, Issue13, DOI10.3390/ijms241311043, Jul 2023, @2023 [Линк](#) 1.000
817. Sovetnikov, T.O., Akhmetova, A.I., Gukasov, V.M., (...), Rybakov, Y.L., Yaminskii, I.V., "Scanning Probe Microscopy in Assessing Blood Cells Roughness", *Biomedical Engineering*, 56(6), pp. 444-448, ISSN 00063398, DOI 10.1007/s10527-023-10253-3, @2023 [Линк](#) 1.000
334. Koleva, I. Z., **Dobrev, S., Kircheva, N.**, Dasheva, L., Nikolova, V., **Angelova, S.**, Dudev, T.. Complexation of trivalent metal cations (Al³⁺, Ga³⁺, In³⁺, La³⁺, Lu³⁺) to cucurbiturils: a DFT/SMD evaluation of the key factors governing the host–guest recognition. *PCCP*, 24, Royal Society of Chemistry, 2022, ISSN:1463-9084, DOI:10.1039/D1CP04585G, 6274-6281. SJR (Scopus):1.053, JCR-IF (Web of Science):3.7
[Цитира се е:](#)
818. Izato, Y.I., Matsugi, A., Koshi, M. and Miyake, A., Computation of entropy values for non-electrolyte solute molecules in solution based on semi-empirical corrections to a polarized continuum model. *Physical Chemistry Chemical Physics*, 25(11), pp.8082-8089., @2023 [Линк](#) 1.000
335. Langari, A., **Strijkova, V.**, Komsa-Penkova, R., Danailova, A., Krumova, S., Taneva, S., Giosheva, I., Gartchev, E., Kercheva, K, Savov, A., Todinova, S.. Morphometric and Nanomechanical Features of Erythrocytes Characteristic of Early Pregnancy Loss. *International Journal of Molecular Sciences*, 23, 9, MDPI, 2022, ISSN:16616596, DOI:10.3390/ijms23094512, 4512. SJR (Scopus):1.176
[Цитира се е:](#)

819. Kapnisis, K., Stylianou, A., Kokkinidou, D., (...), Lemons, J.E., Anayiotos, A., "Multilevel Assessment of Stent-Induced Inflammation in the Adjacent Vascular Tissue", *ACS Biomaterials Science and Engineering*, 9(8), pp. 4747-4760, ISSN 23739878, DOI 10.1021/acsbomaterials.3c00540, 2023, @2023 [Линк](#) 1.000
336. Dobrev, S., Kircheva, N., Nikolova, V., Angelova, S., Dudev, T.. Competition between Ag⁺ and Ni²⁺ in nickel enzymes: Implications for the Ag⁺ antibacterial activity. *Computational Biology and Chemistry*, 101, Elsevier, 2022, ISSN:1476-9271, DOI:10.1016/j.compbiolchem.2022.107785, 107785. SJR (Scopus):0.481, JCR-IF (Web of Science):3.737
- Цитира се е:
820. Matic, A., Šupljika, F., Brkić, H., Jurasović, J., Karačić, Z. and Tomić, S., Identification of an Additional Metal-Binding Site in Human Dipeptidyl Peptidase III. *International Journal of Molecular Sciences*, 24(16), p.12747., @2023 [Линк](#) 1.000
337. Koseva, I., Nikolov, V., Nikolova, R., Tzvetkov, P., Ivanov, P., Petrova, P., Tomova, R., Kuvandjiev, N., Tarassov, M.. On the structures and luminescence properties of Eu³⁺-doped Li₂CaGeO₄, Ca₂GeO₄, and Ca₅Ge₃O₁₁ compounds. *Luminescence*, 39, Wiley, 2022, ISSN:1522-7243, DOI:10.1002/bio.4322, 1492-1503. SJR (Scopus):0.391, JCR-IF (Web of Science):2.613
- Цитира се е:
821. Martynas Misevicius, Evelina Griniuk, Rimantas Ramanauskas. "Solid-state synthesis of LiYGeO₄ and luminescence properties of Dy-doped samples." *Materials Chemistry and Physics*, 306, 2023, 128082, ISSN 0254-0584, [https://doi.org/10.1016/j.matchemphys.2023.128082.](https://doi.org/10.1016/j.matchemphys.2023.128082), @2023 [Линк](#) 1.000
338. Gancheva, M., Rojac, T., Iordanova, R., Piroeva, I., Ivanov, P.. Structural and optical properties of MgMoO₄ prepared by mechanochemical technique. *Ceramics International*, 48, Elsevier, 2022, ISSN:0272-8842, DOI:<https://doi.org/10.1016/j.ceramint.2022.02.271>, 17149-17156. SJR (Scopus):0.887, JCR-IF (Web of Science):5.532
- Цитира се е:
822. Subbotin, K., Titov, A., Lis, D., Zimina, Y., Didenko, Y., Elabedine, G., Ereemeev, K., Solé, R., Aguiló, M., Volkov, P., Popov, P., Chernova, E., "Growth, structure refinement, thermal expansion and optical spectroscopy of Tm³⁺-doped MgMoO₄", *Optical Materials*, 138, 113648, @2023 [Линк](#) 1.000
823. Xuan, Z., Xuan, C., "Regulating the Synthesis, Optical and Photocatalytic Activity of MgMoO₄ Nanoparticles", *Russian Journal of Physical Chemistry A* 97(9), pp. 2060-2069., @2023 [Линк](#) 1.000
339. Minev, N., Dionisiev, I., Buchkov, K., Dikov, H., Videva, V., Strijkova, V, Rafailov, P., Dimitrov, D., Marinova, V.. 2D PtTe₂ Layers Synthesized by Thermally Assisted Conversion Method. 2022 XXXI International Scientific Conference Electronics (ET), 2022, 2022, DOI:10.1109/ET55967.2022.9920318, 1-4
- Цитира се е:
824. Susheel Kumar Singh, Akash Srivastava, L. K. Dwivedi & Sunil. P. Singh "Detection of biological contamination protozoa in drinking water using surface plasmon resonance-based technique" *Optical Review*, volume 30, pp. 478–484 (2023), @2023 1.000
340. Camosi, L., Světlík, J., Costache, M.V., Torres, W.S., Aguirre, I.F., Marinova, V., Dimitrov, D., Gospodinov, M., Sierra, J.F., Valenzuela, S.O.. Resolving spin currents and spin densities generated by charge-spin interconversion in systems with reduced crystal symmetry. *2D Materials*, 9, 3, IOP Publishing, 2022, ISSN:2053-1583, DOI:10.1088/2053-1583/ac6fec, 035014. JCR-IF (Web of Science):7.103
- Цитира се е:
825. Haozhe Yang, Beatriz Martín-García, Jozef Kimák, Eva Schmoranzzerová, Eoin Dolan, Zhendong Chi, Marco Gobbi, Petr Němec, Luis E. Hueso, Félix Casanova "Twist-angle tunable spin texture in WSe₂/graphene van der Waals heterostructures" *arXiv:2312.10227* (2023), @2023 1.000
826. Haozhe Yang, Maider Ormaza, Zhendong Chi, Eoin Dolan, Josep Ingla-Aynés, C.K. Safeer, Franz Herling, Nerea Ontoso, Marco Gobbi, Beatriz Martín-García, Frederik Schiller, Luis E. Hueso, and Félix Casanova "Gate-Tunable Spin Hall Effect in an All-Light-Element Heterostructure: Graphene with Copper Oxide" *Nano Lett.*, 23, 10, 4406–4414 (2023), @2023 1.000
827. Klaus Zollner, Simão M. João, Branislav K. Nikolić, and Jaroslav Fabian "Twist- and gate-tunable proximity spin-orbit coupling, spin relaxation anisotropy, and charge-to-spin conversion in heterostructures of graphene and transition metal dichalcogenides" *Phys. Rev. B* 108, 235166 (2023), @2023 1.000
828. Nerea Ontoso, C. K. Safeer, Franz Herling, Josep Ingla-Aynés, Haozhe Yang, Zhendong Chi, Beatriz Martin-Garcia, Iñigo Robredo, Maia G. Vergniory, Fernando de Juan, M. Reyes Calvo, Luis E. Hueso, and Félix Casanova "Unconventional Charge-to-Spin Conversion in Graphene/MoTe₂ van der Waals Heterostructures" *Phys. Rev. Applied* 19, 014053 (2023), @2023 1.000
829. Nerea Ontoso; C. K. Safeer; Josep Ingla-Aynés; Franz Herling; Luis E. Hueso; M. Reyes Calvo; Félix Casanova "Out-of-plane spin-to-charge conversion at low temperatures in graphene/MoTe₂ heterostructures" *Appl. Phys. Lett.* 123, 032401 (2023), @2023 1.000
341. Fuscaldo, W., de Simone, S., Dimitrov, D., Marinova, V., Mussi, V., Beccherelli, R., Zografopoulos, D.. Terahertz characterization of graphene conductivity via time-domain reflection spectroscopy on metal-backed dielectric substrates. *Journal of Physics D: Applied Physics*, 55, IOP Publishing, 2022, ISSN:1361-6463, DOI:10.1088/1361-6463/ac7759, 365101. JCR-IF (Web of Science):3.207
- Цитира се е:

830. Faridi, Fahd Rushd "Pulsed Free Space Photonic Vector Network Analyzers" Darmstadt, Technische Universität Darmstadt, Ph.D. Thesis 1.000 (2023), @2023
831. Ying Wang; Zhonghua Guo; Chunshu Li, Xiang Yan "Design of graphene frequency reconfigurable antenna in terahertz band" 2023 5th International Conference on Electronic Engineering and Informatics (EEI), pp.521-525 (2023), @2023 1.000
342. **Marinova, V., Buchkov, K., Videva, V., Dionisiev, I., Minev, N., Strijkova, V., Dimov, D.,** Dikov, H., Avramova, I., Rafailov, P., **Dimitrov, D.** Evolution of WSe₂ Flakes Synthesized by Thermally Assisted Conversion Method. Coatings, 12, 3, MDPI, 2022, ISSN:2079-6412, DOI:10.3390/coatings12030353, 353. SJR (Scopus):0.482, JCR-IF (Web of Science):3.236
- Цитира се в:
832. Liang Ma, Xiaohan Wang, Hao Wang, Xiangyi Wang, Guifu Zou, Yanqiu Guan, Shuya Guo, Haochen Li, Qi Chen, Lin Kang, Labao Zhang, and Peiheng Wu "van der Waals Self-Epitaxial Growth of Inch-Sized Superconducting Niobium Diselenide Films" Nano Lett., 23, 15, 6892–6899 (2023)DOI10.1021/acs.nanolett.3c01283, Jul 2023, @2023 [Линк](#)
343. Avramova, I., Dimov, D., Stankova, N., Petrov, M., Karaivanova, D., Avdeev, G., Russev, S., **Karashanova, D., Georgieva, B.,** Valcheva, E., Milenov, T. Novel Approach for Synthesis of Graphene-like Phases by Pulsed Laser Ablation in a Flow-Mode Suspension. Materials, 15, 7870, MDPI, 2022, ISSN:1996-1944, DOI:10.3390/ma15227870, 7870. JCR-IF (Web of Science):3.748
- Цитира се в:
833. Mohsin, M.H., Khashan, K.S., Sulaiman, G.M. et al. "A novel facile synthesis of metal nitride@metal oxide (BN/Gd₂O₃) nanocomposite and their antibacterial and anticancer activities". Sci Rep 13, 22749 (2023). <https://doi.org/10.1038/s41598-023-49895-4>, @2023 [Линк](#)
344. Polschikova, O., Machikhin, A., Gorevoy, A., **Stoykova, E.** Single-shot multiwavelength digital holography using Bragg diffraction of light by several ultrasound waves [Invited]. JOSA A, 39, OPTICA Publishing Group, 2022, ISSN:10847529, 15208532, DOI:<https://doi.org/10.1364/JOSAA.444375>, 79-85. SJR (Scopus):0.6, JCR-IF (Web of Science):2.129
- Цитира се в:
834. Khasanov, I. S., Knyazev, B. A., Lobastov, S. A., Anisimov, A. V., Nikitin, P. A., & Kameshkov, O. E. (2023). Optical Characterization of Thin Films by Surface Plasmon Resonance Spectroscopy Using an Acousto-Optic Tunable Filter. Materials, 16(5), 1820., @2023 [Линк](#)
835. Samanta, K., Tiwari, A., Samsheerali, P. T., & Joseph, J. (2023). Improving resolution in two orthogonal orientations from a single-shot digital holographic microscopy. Results in Optics, 100586., @2023 [Линк](#)
345. Ilieva, L., Ivanov, I., Sobczak, J.W., Lisowski, W., **Karashanova, D.,** Kaszukur, Z., Petrova, P., Tabakova, T.. Effect of support preparation method on water-gas shift activity of copper-based catalysts. International Journal of Hydrogen Energy, 47, 97, Elsevier, 2022, ISSN:0360-3199, DOI:10.1016/j.ijhydene.2021.11.207, 41268-41278. SJR (Scopus):1.21, JCR-IF (Web of Science):5.816
- Цитира се в:
836. Jampaiah, D, Damma, D, Venkataswamy, P, Chalkidis, A, Arandiyani, H, Reddy, BM. "Enhanced water-gas shift reaction performance of MOF-derived Cu/CeO₂ catalysts for hydrogen purification". INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 48 (64), 24860-24870, 2023 DOI10.1016/j.ijhydene.2022.11.034, @2023 [Линк](#)
837. Kim, HM, Lee, YH, Park, MJ, Jeong, DW. "The application of MOF-derived CeO₂ to synthesize the Cu/CeO₂ catalyst for the hydrogen production via water gas shift reaction". International Journal of Hydrogen Energy, 48 (75), 29142 - 29152, 2023 DOI10.1016/j.ijhydene.2023.04.093, @2023 [Линк](#)
838. Ozhava, D, Duman, S. "Solventless Dimethylamine Borane Dehydrogenation in the Presence of Transition Metal(0) Nanoparticles Loaded on Cellulose". ChemCatChem, 15 (622), Article number e202201563, 2023 DOI10.1002/cctc.202201563, @2023 [Линк](#)
346. Machikhin, A., Sharikova, M., Lyashenko, A., Kozlov, V., Pozhar, V., Lomono, V., **Stoykova, E.** Attenuation of intensities of spectral components of a multiwavelength pulsed laser system by means of the Bragg diffraction of radiation by acoustic waves. Quantum Electronics, 5, IOP Publishing, 2022, ISSN:1063-7818, DOI:10.1070/QEL18042, 454-458. SJR (Scopus):0.4, JCR-IF (Web of Science):1.022
- Цитира се в:
839. Khasanov, I. S., Knyazev, B. A., Lobastov, S. A., Anisimov, A. V., Nikitin, P. A., & Kameshkov, O. E. (2023). Optical Characterization of Thin Films by Surface Plasmon Resonance Spectroscopy Using an Acousto-Optic Tunable Filter. Materials, 16(5), 1820., @2023 [Линк](#)
347. Kyuchyuk, S., Paneva, D., Manolova, N., Rashkov, I., **Karashanova, D.,** Markova, N.. Core/Double-Sheath Composite Fibers from Poly(ethylene oxide), Poly(L-lactide) and Beeswax by Single-Spinneret Electrospinning. Polymers, 14, 22, MDPI, 2022, ISSN:2073-4360, DOI:10.3390/polym14225036, 5036. JCR-IF (Web of Science):4.967
- Цитира се в:
840. Guertler, AL, Rades, T, Heinz, A. "Electrospun fibers for the treatment of skin diseases". JOURNAL OF CONTROLLED RELEASE, 363, 621-640, 2023 DOI10.1016/j.jconrel.2023.10.009, @2023 [Линк](#)
841. Luque, C, Fernández, MD, Fuentes-Rios, D, Cepero, A, Contreras-Cáceres, R, Doña, M, Perazzoli, G, Lozano-Chamizo, L, Filice, M, Marciello, M, Gonzalez-Rumayor, V, López-Romero, JM, Cabeza, L, Melguizo, C, Pradosa, J. "Improved antitumor activity through a tyramidyl maslinic acid derivative. Design and validation as drug-loaded electrospun polymeric nanofibers". EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, 193, 241-253, DOI10.1016/j.ejpb.2023.11.011, @2023 [Линк](#)

842. Zhang, XT, Wang, YX, Gao, ZY, Mao, XH, Cheng, JX, Huang, LJ, Tang, JG. "Advances in wound dressing based on electrospinning nanofibers". **1.000** JOURNAL OF APPLIED POLYMER SCIENCE, 2023 DOI10.1002/app.54746, @2023 [Линк](#)
843. Zhu, L, Liang, JS, Li, XJ, Su, SJ, Wang, HA, Xiao, JP, Sun, LJ, Wang, DZ. "Preparation of high positioning accuracy lattice patterns with polymeric microfibers derived from near-field electrospinning". JOURNAL OF APPLIED POLYMER SCIENCE, 140 (36), Article Number e54370, 2023 DOI10.1002/app.54370, @2023 [Линк](#)
348. Said, A. I., Staneva, D., **Angelova, S.**, Grabchev, I.. A multi-channel rhodamine-pyrazole based chemosensor for sensing pH, Cu²⁺, CN⁻ and Ba²⁺ and its function as a digital comparator. Elsevier Journal of Photochemistry and Photobiology A: Chemistry, 433, Elsevier, 2022, ISSN:10106030, DOI:10.1016/j.jphotochem.2022.114218, 114218. SJR (Scopus):0.628, JCR-IF (Web of Science):5.141

Цитира се в:

844. Chan, W.C., Ng, M.P., Tan, C.H., Ang, C.W., Sim, K.S., Tiong, S.Y.X., Pungut, N.A.S., Ng, C.H. and Tan, K.W., 2023. A new lipophilic cationic rhodamine-based chemosensor for detection of Al (III)/Cu (II) and intracellular pH change and its application as a smartphone-assisted sensor in water sample analysis. Journal of Photochemistry and Photobiology A: Chemistry, 436, p.114382., @2023 [Линк](#)
845. Gond, S., Yadav, P., Singh, A., Garai, S., Shekher, A., Gupta, S.C. and Singh, V.P., 2023. A colorimetric and 'OFF-ON' fluorometric chemosensor based on Rhodamine-pyrazole derivative for the detection of Al³⁺, Fe³⁺ and Cr³⁺ metal ions, and its intracellular application. Org. Biomol. Chem., 2023, 21, 4482-4490, @2023 [Линк](#)
846. Li, S., Zhao, B., Kan, W., Song, T., Zheng, W., Qi, X., Wang, L. and Song, B., 2023. A fluorescent covalent organic framework with a brick-wall topology for the detection of Cu²⁺ promoted by the associated mechanism. Dyes and Pigments, 214, p.111178., @2023 [Линк](#)
847. Sami, A.J., Bilal, S., Ahsan, N.U.A., Hameed, N. and Saleem, S., 2023. Rhodamine B functionalized silver nanoparticles paper discs as turn-on fluorescence sensor, coupled with a smartphone for the detection of microbial contamination in drinking water. Environmental Monitoring and Assessment, 195(12), p.1442., @2023 [Линк](#)
848. Shepelenko, E.N., Podshibyakin, V.A., Dubonosova, I.V., Karlutova, O.Y., Dubonosov, A.D. and Bren, V.A., 2023. Rhodamine 6G-Based Molecular Ion-Active Switches of Optical and Fluorescent Properties. Russian Journal of General Chemistry, 93(8), pp.1989-1997., @2023 [Линк](#)
849. Turhan, O., Yaman, M., Dikmen, G., Nural, Y., Sarıboyacı, A.E., Tasa, B.A., Soykan, M.N. and Seferoğlu, Z., 2023. Novel fluorescent sensors based on coumarin-hydrazide-hydrazone hybrid for the detection of CN⁻, Co²⁺ and Ni²⁺ ions: DFT and bioimaging in living cells. Journal of Molecular Liquids, p.123440., @2023 [Линк](#)
349. Dimitrov, O., Stambolova, I., **Babeva, T.**, **Lazarova, K.**, Avdeev, G., Shipochka, M., Mladenova, R., Simeonova, S.. High intensity orange-red emission of chemically deposited Sm³⁺-doped ZrO₂ thin films - beneficial effects of host and dopant. Journal of Materials Research and Technology, 18, Elsevier, 2022, ISSN:2238-7854, DOI:10.1016/j.jmrt.2022.04.013, 3026-3034. SJR (Scopus):0.83, JCR-IF (Web of Science):5.039

Цитира се в:

850. Baqiah, H., Kechik, M., Pasupuleti, J., Zhang, N., Al-Hada, N., Chau, C., Li, Q., Xu, S. "Nanostructure, optical, electronic, photoluminescence and magnetic properties of Co-doped ZrO₂ sol-gel films". Results in Physics, 55, 107194, 2023. <https://doi.org/10.1016/j.rinp.2023.107194>, @2023 [Линк](#)
851. Jaffri, S., Ahmad, K., Abrahams, I., Ibrahim, S. "Augmented photovoltaic and electrochemical performance of lanthanide (Ln³⁺ = Ce³⁺, Pr³⁺, and Nd³⁺) doped ZrO₂ semiconductor material". J Mater Sci: Mater Electron, 34, 1376, 2023., @2023 [Линк](#)
852. Ma, Y., Lu, W., Xu, Z., Li, Z. "RE₂O₃:Tb³⁺ (RE = Y, La, Gd): Comparable research on morphology, luminescence, thermal stability and magnetic property". Ceramics International, 49, 9A, 14367-14376, 2023. <https://doi.org/10.1016/j.ceramint.2023.01.025>, @2023 [Линк](#)
853. Sezgin, A. Čtvrtilík, R. Václavěk, L. Tomáščík, J. Nožka, L. Menšur, E. Türküz, S. "Optical, structural and mechanical properties of TiO₂ and TiO₂-ZrO₂ thin films deposited on glass using magnetron sputtering". Materials Today Communications, 35, 106334, 2023., @2023 [Линк](#)
854. Valiev, D., Stepanov, S., Dvilis, E., Paygin, V., Khasanov, O. "High concentration Eu³⁺ doped yttria-stabilized zirconia ceramics". Optik, 295, 171499, 2023. <https://doi.org/10.1016/j.ijleo.2023.171499>, @2023 [Линк](#)
855. Zhang, Ch., Liu, K., Zheng, Z., Debliquy, M. "Defect engineering of nanostructured ZnSnO₃ for conductometric room temperature CO₂ sensors". Sensors and Actuators B: Chemical, 384, 133628, 2023., @2023 [Линк](#)
350. **Viqar, M.**, **Madjarova, V.**, Baghel, V., **Stoykova, E.** Opto-UNet: Optimized UNet for Segmentation of Varicose Veins in Optical Coherence Tomography. Proceedings - European Workshop on Visual Information Processing, EUVIP, Institute of Electrical and Electronics Engineers Inc., 2022, ISBN:9781665466233, ISSN:24718963, DOI:10.1109/EUVIP53989.2022.9922769, 1-6. SJR (Scopus):0.13

Цитира се в:

856. Ashwin Das, M., Anand, I., Nihal, C., Subramaniyam, K., Mohanarathinam, A. Early Detection and Prevention of Varicose Veins using Embedded Automation and Internet of Things (2023) Proceedings of the 5th International Conference on Inventive Research in Computing Applications, ICIRCA 2023, pp. 1476-1482. DOI: 10.1109/ICIRCA57980.2023.10220899 ISBN: 9798350321425, @2023 [Линк](#)
351. Nikov, R.G., Nedyalkov, N.N., Dikovska, A.O., **Karashanova, D. B.** Nanonetworks fabrication by laser ablation in water of bimetallic compositions of platinum and palladium with gold and silver. Lasers in Manufacturing and Materials Processing, 9, 1, Springer, 2022, ISSN:2196-7229, DOI:10.1007/s40516-022-00168-4, 102-116. SJR (Scopus):0.498

Цитира се в:

857. Awada, C, Ruffino, F. "A Study of the Laser-Assisted Alloying Effect on Plasmonic Properties of Au-Pd Nanostructured Film Using Surface-Enhanced Raman Spectroscopy". *Coatings*, 13 (4), Article number 797, 2023 DOI10.3390/coatings13040797, @2023 [Линк](#) 1.000
858. Goncharova, D, Salaev, M, Volokitina, A, Magaev, O, Svetlichnyi, V, Vodyankina, O. "Gold-based catalysts prepared by pulsed laser ablation: A review of recent advances". *MATERIALS TODAY CHEMISTRY*, 33, Article Number 101709, 2023 DOI10.1016/j.mtchem.2023.101709, @2023 [Линк](#) 1.000
352. Gorevoy, A., Polschikova, O., Machihin, A., **Stoykova, E.** Multi-wavelength off-axis digital holographic microscopy with broadly tunable low-coherent sources: theory, performance and limitations. *Journal of Optics*, 24, 11, IOP Publishing, 2022, ISSN:2040-8986, DOI:10.1088/2040-8986/ac906a, 115701-115711. SJR (Scopus):0.71, JCR-IF (Web of Science):2.516
- Цитира се в:
859. LIU, Y., WU, X., KANG, Q., GAO, J., JIAO, M., XING, J., ... & LI, H. (2023). Speckle suppression in holographic phase fringe patterns with different level noise based on FFDNet. *Applied Optics - early posting*, @2023 [Линк](#) 1.000
353. **Alexieva, G., Lovchinov, K.,** Petrov, M., **Gergova, R.,** Tyutyundzhiev, N.. Influence of Al Doping on the Morphological, Structural and Gas Sensing Properties of Electrochemically Deposited ZnO Films on Quartz Resonators. *Coatings*, 12, 1, MDPI, 2022, ISSN:2079-6412, DOI:10.3390/coatings12010081, 81. JCR-IF (Web of Science):2.881
- Цитира се в:
860. Himabindu, B., Latha Devi, N.S.M.P., Nagaraju, P., Rajini Kanth, B. "A nanostructured Al-doped ZnO as an ultra-sensitive room-temperature ammonia gas sensor". *Journal of Materials Science: Materials in Electronics* 34(12), 1014, @2023 [Линк](#) 1.000
861. Marinov, G., Georgieva, B., Vasileva, M., Babeva, T. "Study of Structure, Morphology and Optical Properties of Cobalt-Doped and Co/Al-co-Doped ZnO Thin Films Deposited by Electro spray Method". *Applied Sciences (Switzerland)* 13(17), 9611, @2023 [Линк](#) 1.000
862. Soundarya Mary, A., Murugan, C., Murugan, P., Pandikumar, A. "Unravelling the Superior Photoelectrochemical Water Oxidation Performance of the Al-Incorporated CoOOH Cocatalyst-Loaded BiVO₄ Photoanode". *ACS Sustainable Chemistry and Engineering* 11(37), pp. 13656-13667, @2023 [Линк](#) 1.000
354. Sánchez-Pavón, E., Recio, J., Ramirez, M. A., Batanero, B., Clays, K., Mendicuti, F., Marcelo, G., Carmona, T., Castaño, O. D., **Angelova, S.,** Andres, J. L., Vaquero, J. J., Cuadro, A. M.. Highly efficient unbridged D-A+(D) chromophores based on the quinolinizinium cation for nonlinear optical (NLO) applications. *Dyes and Pigments*, 205, Elsevier, 2022, ISSN:0143-7208, DOI:10.1016/j.dyepig.2022.110323, 110323. SJR (Scopus):0.827, JCR-IF (Web of Science):4.889
- Цитира се в:
863. Cen, Z., Li, F., Wei, J., Gao, Z., Liu, Z., Zhang, T., Han, D., Chen, M. and Gong, J., Recent Advances in the Asymmetric Growth of Organic Polar Crystals: A Review. *Crystal Growth & Design*, 2023, 23, 10, 7517–7534, @2023 [Линк](#) 1.000
355. Popova, M., Oykova, M., Dimitrov, M., **Karashanova, D.,** Kovacheva, D., Atanasova, G., Szegedi, A.. CO₂ Hydrogenation to Renewable Methane on Ni/Ru Modified ZSM-5 Zeolites: The Role of the Preparation Procedure. *Catalysts*, 12, 12, MDPI, 2022, ISSN:2073-4344, DOI:10.3390/catal12121648, 1648. SJR (Scopus):0.728, JCR-IF (Web of Science):4.501
- Цитира се в:
864. Mirzakhani, S, Yin, BH, Masteri-Farahani, M, Yip, ACK. "Heterogeneous Catalytic Systems for Carbon Dioxide Hydrogenation to Value-Added Chemicals". *CHEMPLUSCHEM*, 88 (7), Article Number e202300157, 2023 DOI10.1002/cplu.202300157, @2023 [Линк](#) 1.000
356. Eftimov, T., **Dyankov, G., Kolev, P.,** Vladev, V., Kolaklieva, L.. A polarimetric fiber optic current sensor based on Bi₁₂SiO₂₀ crystal fluorescence. *Optical Materials*, 133, Elsevier, 2022, ISSN:0925-3467 (print); 1873-1252 (web), DOI:10.1016/j.optmat.2022.112837, 112837-1-112837-8. SJR (Scopus):0.583, JCR-IF (Web of Science):3.754
- Цитира се в:
865. Kowalczyk, Marcin, et al. "A Comparative Study of Eu³⁺-Doped Sillenites: Bi₁₂SiO₂₀ (BSO) and Bi₁₂GeO₂₀ (BGO)." *Materials* 16.4 (2023): 1621, @2023 1.000
357. Milenov, T., Terziyska, P., Avdeev, G., **Karashanova, D., Georgieva, B.,** Avramova, I., Genkov, K., Valcheva, E. Structure and Phase Composition Study of Heavy Doped with Carbon Thin Films of TiO₂ : C Deposited by RF Magnetron Sputtering. *Russian Journal of Inorganic Chemistry*, Springer, 2022, ISSN:0036-0236, DOI:10.1134/S0036023622100333, 1509-1520. JCR-IF (Web of Science):1.667
- Цитира се в:
866. Anikeev, S.G., Artyukhova, N.V., Kaftaranova, M.I., Khodorenko, V.N., Garin, A.S., Marchenko, E.S. "Structural Characteristics and Deformation Behavior of Porous Titanium Prepared by Sintering". *INORGANIC MATERIALS*, 59 (2), 123-133, 2023. DOI10.1134/S0020168523020012, @2023 [Линк](#) 1.000
358. Nikolova-Mladenova, B., **Angelova, S.,** Momekov, G.. Gallium (III) Complexes with 5-Bromosalicylaldehyde Benzoylhydrazones: In silico Studies and In vitro Cytotoxic Activity. *Molecules*, 27, 17, MDPI, 2022, ISSN:1420-3049, DOI:10.3390/molecules27175493, 5493. SJR (Scopus):0.705, JCR-IF (Web of Science):4.927
- Цитира се в:

867. Pereira, R.L., de Araújo, A.C., Freitas, P.R., Araújo, I.M., Gonçalves, S.A., Gusmão, S.B., Peña-Garcia, R.R., Dávila, Y.G., Viana, B.C., da Silva, J.H. and de Menezes, I.R., 2023. Effect of gallium and strontium salts on the characteristics and biological applications of Sr and Ga-modified titanate nanotubes. *Results in Chemistry*, 6, p.101162., @2023 [Линк](#) 1.000
868. Widjajana, M.S., Chiu, S.H., Chi, Y., Baharfar, M., Zheng, J., Ghasemian, M.B., Bhattacharyya, S.K., Tang, J., Rahim, M.A. and Kalantar-Zadeh, K., A liquid metal-based process for tuning the thermoelectric properties of bismuth indium systems. *Journal of Materials Chemistry C*, 11(30), pp.10299-10309., @2023 [Линк](#) 1.000
359. **Strijkova, V.**, Todinova, S., Andreeva, T., Langari, A., Bogdanova, D., Zlatareva, E., Kalaydzhev, N., Milanov, I., Taneva, S.. Platelets' Nanomechanics and Morphology in Neurodegenerative Pathologies. *Biomedicines*, 10, 9, MDPI, 2022, ISSN:22279059, DOI:10.3390/biomedicines10092239, 2239. SJR (Scopus):0.874
- [Цитира се е:](#)
869. Jang, YO., Ahn, H. S., Dau, TNT, Hong, JY at all, "Magnetic transferrin nanoparticles (MTNs) assay as a novel isolation approach for exosomal biomarkers in neurological diseases", *Biomaterials Research*, Volume 27, Issue 1, 12. 2023, ISSN 20557124, DOI 10.1186/s40824-023-00353-2, @2023 [Линк](#) 1.000
870. Wu, Y.-S., Taniar, D., Adhinugraha, K., Tsai, L.-K., Pai, T.-W. , "Detection of Amyotrophic Lateral Sclerosis (ALS) Comorbidity Trajectories Based on Principal Tree Model Analytics", *BiomedicinesOpen Access*Volume 11, Article number 262, Issue 22279059, DOI 10.3390/biomedicines11102629, 10 October 202, , @2023 [Линк](#) 1.000
360. Minkov, D., **Nedelchev, L.**, Angelov, G., Marquez, E., **Blagoeva, B.**, **Mateev, G.**, **Nazarova, D.**. Hybrid dispersion model characterization of PAZO polymer thin films over the entire transmittance spectrum measured in the UV/VIS/NIR spectral region. *Materials*, 15, 23, MDPI, 2022, ISSN:1996-1944, DOI:10.3390/ma15238617, 8617. SJR (Scopus):0.604, JCR-IF (Web of Science):3.748
- [Цитира се е:](#)
871. D.K. Nandi, J. Seth, P. Chakraborty, S. Ghosh, A. Chowdhury, A. Bhaumik, Sk.M. Islam. "Ni Nanoparticles Supported Over Triazine Based Porous Organic Polymer for Selective CO₂ Photo-Reduction to Methanol". *ChemCatChem* (IF2022: 4.5, Q2), art. no. e202301018, 2023. <https://doi.org/10.1002/cctc.202301018>, @2023 [Линк](#) 1.000
361. Rosmini, C., Tsoncheva, T., Kovatcheva, D., Velinov, N., Kolev, H., **Karashanova, D.**, Dimitrov, M., Tsyntsarski, B., Sebastian, D.. Mesoporous Ce-Fe-Ni nanocomposites encapsulated in carbon-nanofibers: Synthesis, characterization and catalytic behavior in oxygen evolution reaction. *Carbon*, 196, Elsevier, 2022, ISSN:0008-6223, DOI:10.1016/j.carbon.2022.04.036, 186-202. JCR-IF (Web of Science):11.307
- [Цитира се е:](#)
872. Li, SS, Du, YM, Wang, MM, Liu, J, Li, B, Gu, YX, Wang, L. "Optimizing the reaction pathway of nitride electrode by co-doping strategy for boosting alkaline hydrogen evolution reaction kinetics". *SCIENCE CHINA-MATERIALS*, Article Number s40843-023-2632-y, 2023 DOI10.1007/s40843-023-2632-y, @2023 [Линк](#) 1.000
873. Liu, JC, Qin, T, Li, K, Chen, X, Lu, QX, Deng, J, Luo, XD, Yuan, SF. "Mechanisms of catalytic reforming of biomass pyrolysis volatiles by Ce promoted Fe-Ni/biochar under N₂ and steam atmosphere". *JOURNAL OF THE ENERGY INSTITUTE*, 111, Article Number 101399, 2023 DOI10.1016/j.joei.2023.101399, @2023 [Линк](#) 1.000
362. Ilieva, L., Dimitrov, D., Kolentsova, E., Venezia, A.M., **Karashanova, D.**, Avdeev, G., Petrova, P., State, R., Tabakova, T.. Gold-Based Catalysts for Complete Formaldehyde Oxidation: Insights into the Role of Support Composition. *Catalysts*, 12, 7, MDPI, 2022, ISSN:2073-4344, DOI:10.3390/catal12070705, 705. JCR-IF (Web of Science):4.501
- [Цитира се е:](#)
874. Camposeco, R, Maturano-Rojas, V, Zanella, R. "Highly Efficient Au/ZnO-ZrO₂ Catalysts for CO Oxidation at Low Temperature". *CATALYSTS*, 13 (3), Article Number 590, 2023 DOI10.3390/catal13030590, @2023 [Линк](#) 1.000
363. **Stoykova, E.**, **Blagoeva, B.**, **Berberova-Buhova, N.**, **Levchenko, M.**, **Nazarova, D.**, **Nedelchev, L.**, Park, J.. Intensity-based dynamic speckle method using JPEG and JPEG2000 compression. *Applied Optics*, 61, 5, OPTICA publishing group (formerly OSA), 2022, ISSN:1559-128X, DOI:10.1364/AO.444831, B287-B296. SJR (Scopus):0.67, JCR-IF (Web of Science):1.98
- [Цитира се е:](#)
875. R. Ghadami, J. Rahebi. "Compression of images with a mathematical approach based on sine and cosine equations and vector quantization (VQ)". *Soft Computing* (IF2021: 3.732, Q2), 2023. <https://doi.org/10.1007/s00500-023-08060-9>, @2023 [Линк](#) 1.000
364. Stoichev, S., Danailova, Av., Iliev, I, Sulikovska, I., **Strijkova, V.**, Mladenova, K., Andreeva, T.. Fabrication and Biocompatibility of Layer-by-layer Assembled Composite Graphene Oxide-polysaccharide Microcapsules. *International Journal Bioautomation*, 26, 3, Institute of Biophysics and Biomedical Engineering at the Bulgarian Academy of Sciences, 2022, ISSN:1314-1902, DOI:10.7546/ijba.2022.26.3.000843, 225-240. SJR (Scopus):0.198
- [Цитира се е:](#)
876. Abbas, M.S., Muhsin, N.M.B. , "Investigate The Effects of Intake Air Temperature on The Performance and Emissions of The IC Engine Fuelled by Biodiesel B30", *Journal of Advanced Research in Fluid Mechanics and Thermal Sciences*, 102(1), pp. 51-58, 2023, ISSN 22897879, DOI 10.37934/arfmts.102.1.5158, @2023 [Линк](#) 1.000

365. Naydenov, A., Velinova, R., Blin, J.-L., Michelin, L., Lebeau, B., Kolev, H., Karakirova, Y., **Karashanova, D.**, Vidal, L., Dotzeva, A., Tenchev, K., Todorova, S.. Reaction Kinetics and Mechanism of VOCs Combustion on Mn-Ce-SBA-15. *Catalysts*, 12, 6, MDPI, 2022, ISSN:2073-4344, DOI:10.3390/catal12060583, 583. JCR-IF (Web of Science):4.15

Цитира се е:

877. Chen, ZD, Zhou, JB, Zhuge, XH, Xie, ZL, Du, K. "Catalytic oxidation of toluene using layer-modified Mn-Ce solid solution with high specific surface area". *JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING*, 11 (6), Article Number 111427, 2023 DOI10.1016/j.jece.2023.111427, @2023 [Линк](#) 1.000
878. Li, LL, Liu, YX, Deng, JG, Jing, L, Hou, ZQ, Gao, RY, Dai, HX. "Pt/CeMnOx/Diatomite: A Highly Active Catalyst for the Oxidative Removal of Toluene and Ethyl Acetate". *CATALYSTS*, 13 (4), Article Number 676, 2023 DOI10.3390/catal13040676, @2023 [Линк](#) 1.000
879. Li, ZY, Dai, CN, Zhu, JQ, Lei, ZG, Zhang, J, Yu, GQ. "Thermodynamics and molecular insights into anionic structural effects on toluene absorption with ionic liquids". *CHEMICAL ENGINEERING SCIENCE*, 276, Article Number 118817, 2023 DOI10.1016/j.ces.2023.118817, @2023 [Линк](#) 1.000
366. Todorova, Z., Nikolova, I., Popova, M., Grozdanov, P., **Karashanova, D.**, Koseva, N.. Modification of eggshell membrane to impart biospecific properties. *POLYMER INTERNATIONAL*, 71, 6, Wiley, 2022, ISSN:0959-8103, DOI:10.1002/pi.6309, 679-688. SJR (Scopus):0.59, JCR-IF (Web of Science):2.99

Цитира се е:

880. Emami, S, Ebrahimi, M. "Bioactive wound powders as wound healing dressings and drug delivery systems". *POWDER TECHNOLOGY*, 423, Article Number 118501, 2023 DOI10.1016/j.powtec.2023.118501, @2023 [Линк](#) 1.000
367. **Kircheva, N., Dobrev, S.,** Nikolova, V., **Angelova, S.,** Dudev, T.. Theoretical Insight into the Phosphate-Targeted Silver's Antibacterial Action: Differentiation between Gram (+) and Gram (-) Bacteria. *Inorganic Chemistry*, 61, 26, ACS, 2022, ISSN:0020-1669, DOI:https://doi.org/10.1021/acs.inorgchem.2c01085, 10089-10100. SJR (Scopus):1.121, JCR-IF (Web of Science):5.436

Цитира се е:

881. Jafarnia, S., Sohrabnezhad, S. and Foulady-Dehaghi, R., "Triplet Cu2O/MOF-2/MMT nanocomposite: Antibacterial and photocatalyst agent". *Journal of Molecular Structure*, 1289, p.135870, @2023 [Линк](#) 1.000
882. Shen, Z., Zhang, C., Wang, T. and Xu, J., 2023. Advances in Functional Hydrogel Wound Dressings: A Review. *Polymers*, 15(9), p.2000., @2023 [Линк](#) 1.000
883. Sohrabnezhad, S. and Foulady-Dehaghi, R., Triplet Cu2O/MOF-2/MMT Nanocomposite: Antibacterial and Photocatalyst Agent, *Journal of Molecular Structure*, 1289, 2023, p. 135870, @2023 [Линк](#) 1.000
884. Suzuki, T., Michimoto, K., Hasumi, J., Kasaki, S., Hasegawa, Y., Fujimori, A., Yoshimatsu, L., Ashida, H. and Ojiri, H., " Silver-Mixed Port Reduces Venous Access Port Related Infection Rate Compared to Non-Silver-mixed Port: A Single-center Retrospective Analysis." *CardioVascular and Interventional Radiology*, Volume 46, pages 1696–1702, @2023 [Линк](#) 1.000
368. **Berberova-Buhova, N., Sharlandjiev, P., Mateev, G., Nedelchev, L., Blagoeva, B., Stoykova, E., Nazarova, D.** Composite thin films of azopolymer and embedded gold nanosized particles: evaluation of the effective complex refractive index. *Journal of Chemical Technology and Metallurgy*, 57, 2, University of Chemical Technology and Metallurgy, 2022, ISSN:1314-7471, 241-246. SJR (Scopus):0.253

Цитира се е:

885. M. Yaseen, M.A.K. Khattak, A. Khan, S. Bibi, M. Bououdina, M. Usman, N.A. Khan, A.A.A. Pirzado, R.A. Abumousa, M. Humayun. "State-of-the-Art Electrochromic Thin Films Devices, Fabrication Techniques and Applications: A Review". *Nanocomposites (IF2022: 4.6, Q2)*, 2023. https://doi.org/10.1080/20550324.2023.2291619, @2023 [Линк](#) 1.000

2023

369. Petrov, S., Chau, N. H. M., **Marinova, V.**, Sun, C.-C., Hsu, K.-Y., Lin, S.-H.. Controllable LC anchoring on poly {1-[4-(3-carboxy-4-hydroxyphenylazo) benzenesulfonamido]-1, 2-ethanediyl, sodium salt} command surface. *Polymer*, 272, Elsevier, 2023, ISSN:00323861, DOI:10.1016/j.polymer.2023.125841, 125841. SJR (Scopus):0.8, JCR-IF (Web of Science):4.6

Цитира се е:

886. Ameer R. K. Nassrah, Marianna Batkova, Natália Tomašovičová, Tibor Tóth-Katona "Photoaligning Polymeric Command Surfaces: Bind, or Mix?" *Polymers* 2023, 15(21), 4271 (2023); https://doi.org/10.3390/polym15214271, @2023 [Линк](#) 1.000
370. Cano, B.M., Ferreiros, Y., Pantaleón, P. A., Dai, J., Tallarida, M., Figueroa, A. I., **Marinova, V.** García-Díez, K., Mugarza, A., Valenzuela, S. O., Miranda, R., Camarero, J., Guinea, F., Silva-Guillén, J. A., Valbuena, M. A.. Experimental Demonstration of a Magnetically Induced Warping Transition in a Topological Insulator Mediated by Rare-Earth Surface Dopants. *Nano Letters*, 23, 13, ACS Publications, 2023, ISSN:1530-6992, DOI:10.1021/acs.nanolett.3c00587, 6249-6258. SJR (Scopus):3.54, JCR-IF (Web of Science):10.8

Цитира се е:

887. H Lu, R Long, WH Fang "Electron- versus Spin-Phonon Coupling Governs the Temperature-Dependent Carrier Dynamics in the Topological Insulator Bi₂Te₃" ACS Publications J. Am. Chem. Soc. 2023, 145, 47, 25887–25893 (2023) <https://doi.org/10.1021/jacs.3c10561>, @2023 [Линк](#) 1.000
371. Todorova, N., Minev, N., Marinova, V, Buchkov, K., Videva, V., Todorov, R., Rafailov, P., Strijkova, V., Psycharis, V., Giannakopoulou, T., Papailias, I., Ioannidis, N., Mitrikas, G., Dimitrov, D., Trapalis, C.. Two-dimensional PtSe₂ coatings with antibacterial activity. Applied Surface Science, 611, Part A, Elsevier, 2023, ISSN:0169-4332; 1873-5584, DOI:10.1016/j.apsusc.2022.155534, 155534. SJR (Scopus):1.187, JCR-IF (Web of Science):6.7
Цитира се е:
888. Zhen-Long Dou, Li Cheng, Zhi-Yong Wu, Li-Jiong Chen, Li Zhou, Qu-Quan Wang "Asymmetric Overgrowth of Au/AuPt/PtSe₂ and Au/AgPtSe₂ Heterorods for Optimizing Nonlinear Enhancements" Advanced Optical Materials, 2302140 (2023), DOI 10.1002/adom.202302140, 2023, @2023 [Линк](#) 1.000
372. Danalev, D., Iliev, I., Dobrev, S., Angelova, S., Petrin, S., Dzimbova, T., Ivanova, E., Borisova, D., Naydenova, E. Synthesis, antiproliferative effect and in silico logP prediction of BIM-23052 analogs containing Tyr instead of Phe. Pharmaceutics, 15, 4, MDPI, 2023, ISSN:1999-4923, DOI:10.3390/pharmaceutics15041123, 1123. SJR (Scopus):0.795, JCR-IF (Web of Science):5.4
Цитира се е:
889. Farhan, N., Al-Maleki, A.R., Sarih, N.M. and Yahya, R., Synthesis and evaluation of antibacterial activity of transition metal-oleoyl amide complexes. Bioorganic Chemistry, 140, p.106786., @2023 [Линк](#) 1.000
373. Stankova, N.E., Nikolov, A., Karashanova, D., Nedyalkov, N., Dikovska, A. Laser-assisted synthesis of metallic composite nanostructures in aqueous solutions. Journal of Physics: Conference Series, 2487, 1, IOP Publishing, 2023, ISSN:1742-6588, 1742-6596, 012013. SJR (Scopus):0.183
Цитира се е:
890. Liu, XY, Liang, XY, Yu, J, Xu, KY, Shen, JW, Duan, W, Zeng, JB. "Recent development of noble metal-based bimetallic nanoparticles for colorimetric sensing". TRAC-TRENDS IN ANALYTICAL CHEMISTRY, 169, Article Number 117386, 2023 DOI10.1016/j.trac.2023.117386, @2023 [Линк](#) 1.000
891. Naranji, E, Aliannezhadi, M, Panahibakhsh, S. "Surface structured silver-copper bimetallic nanoparticles by irradiation of excimer laser pulses to bilayer thin films". PHYSICA SCRIPTA, 98 (10), Article Number 105529, 2023 DOI10.1088/1402-4896/acfa38, @2023 [Линк](#) 1.000
374. Chorbadzhiyska Y., Georgiev, R., Georgieva, B., Babeva, T. Impact of annealing and soft template concentration on optical and sensing properties of wet-deposited SiO₂ thin films. Journal of Physics: Conference Series, 2487, IOP Publishing, 2023, ISSN:17426588, DOI:10.1088/1742-6596/2487/1/012035, 012035. SJR (Scopus):0.183
Цитира се е:
892. Sankaran D., Pappan B., Balakrishnan K. "Enhancing photo voltaic solar panel efficiency by using a combination of silica based and phase change material coating". Materials Research Express, 2023, @2023 [Линк](#) 1.000
375. Lovchinov, K., Alexieva, G., Petrov, M., Gergova, R., Tyutyundzhiev, N., Lazarova, K., Babeva, T.. Influence of deposition temperature and time on structural and gas sensing properties of electrochemically deposited ZrO₂ layers. Materials Science and Engineering: B, 297, Elsevier, 2023, ISSN:0921-5107, DOI:10.1016/j.mseb.2023.116793, 116793-1-116793-9. SJR (Scopus):0.605, JCR-IF (Web of Science):3.6
Цитира се е:
893. Stojadinovic, S. , Radic, N., Perkovic, M. "Highly efficient ZrO₂ photocatalysts in the presence of UV radiation synthesized in a very short time by plasma electrolytic oxidation of zirconium". Optical Materials, 146, 114608, @2023 [Линк](#) 1.000
376. Lazarova, K., Christova, D., Karashanova, D., Georgieva, B., Marovska, G., Slavov, A., Babeva, T.. Blending Approach Preparation of PVA-g-PMA Films with Embedded "Green" Synthesized Silver Nanoparticles for Acetone Optical Detection.. Sensors, 23, 6, MDPI, 2023, ISSN:1424-8220, DOI:10.3390/s23062941, 2941-1-2941-14. SJR (Scopus):0.764, JCR-IF (Web of Science):3.9
Цитира се е:
894. Nazarova, D, Nedelchev, L, Berberova-Buhova, N, Mateev, G. "Nanocomposite Photoanisotropic Materials for Applications in Polarization Holography and Photonics". Nanomaterials, Volume 13, Issue 22, Article number 2946, @2023 [Линк](#) 1.000
377. Kircheva, N., Dobrev, S., Dasheva, L., Nikolova, V., Angelova, S., Dudev, T.. Metal-assisted complexation of fluorogenic dyes by cucurbit[7]uril and cucurbit[8]uril: a DFT evaluation of the key factors governing the host-guest recognition. Molecules, 28, 4, MDPI, 2023, ISSN:1420-3049, DOI:10.3390/molecules28041540, 1540. SJR (Scopus):0.704, JCR-IF (Web of Science):4.6
Цитира се е:
895. He, S., Huang, B., Xiao, B., Chang, S., Podalko, M. and Nau, W.M., "Stabilization of Guest Molecules inside Cation-Lidded Cucurbiturils Reveals that Hydration of Receptor Sites Can Impede Binding." Angewandte Chemie International Edition, p.e202313864, 2023, @2023 [Линк](#) 1.000
896. Zhang, X., Guo, X., & Liu, D. "Cyclopentadiene dimerization in cucurbiturils: Origin of catalysis, dynamics and solvent effect." Journal of Molecular Liquids, 122266, 2023, @2023 [Линк](#) 1.000

378. **Katrova, V., Atanasova, A., Todorov, R., Hristova-Vasileva, T., Strijkova, V.** Thickness dependence of optical properties of thin Ag-Bi films and their surface plasmon-enhanced photoluminescence capability. *Journal of Physics: Conference Series*, 2436, 1, IOP Publishing, 2023, ISSN:17426588, DOI:10.1088/1742-6596/2436/1/012019, 012019. SJR (Scopus):0.183

Цитира се е:

897. Bondariev, D., Bezugla, N., Komada, P., Stelmakh, N., & Bezuglyi, M. Optical Properties of Light-Scattering Standards for CCD Photometry. *Sensors*, 23(18), 7700, 2023, @2023 [Линк](#) 1.000
379. Eftimov, T., **Dyankov, G., Kolev, P.,** Vladev, V.. A simple fiber optic magnetic field and current sensor with spectral interrogation. *Optics Communications*, 527, 15, Elsevier, 2023, ISSN:00304018, DOI:https://doi.org/10.1016/j.optcom.2022.128930, 128930. SJR (Scopus):0.575, JCR-IF (Web of Science):2.4
- Цитира се е:
898. Jiao, Xinbing, Shiyi Bao, and Shumin Li. "Dynamic responses of garnet-type optical AC sensor based on Faraday effect." *IEEE Sensors Journal* 1.000 (2023), @2023
899. Li, Shenwang, et al. "Anti-crosstalk magnetic field method for straight-light path type optical current transducer based on the background of gas-insulated substation." *Optical Engineering* 62.4 (2023): 044104-044104, @2023 1.000
900. Wen, Hsin-Yi, and Yi-Ting Hsu. "The Nanosilver Imprinted Cross-Channel Film used in Microfluidic Chips Based on Microcavity Resonator for Mercury Assessment." *Advanced Sensor Research* (2023): 2300133., @2023 [Линк](#) 1.000
901. Yan, Xin, et al. "Highly sensitive temperature sensor based upon a multimode interference structure filled with an ethanol-glycerol solution." *Instrumentation Science & Technology* 51.4 (2023): 465-477., @2023 1.000
380. Said, A.I., Staneva, D., **Angelova, S.,** Grabchev, I.. Self-associated 1,8-naphthalimide as a selective fluorescent chemosensor for detection of high pH in aqueous solutions and their Hg²⁺ contamination. *Sensors*, 23, 10, MDPI, 2023, ISSN:1424-8220, DOI:10.3390/s23010399, 399. SJR (Scopus):0.764, JCR-IF (Web of Science):3.9
- Цитира се е:
902. Kumar, A., 2023. Recent Development in Fluorescent Probes for the Detection of Hg²⁺ Ions. *Critical Reviews in Analytical Chemistry*, pp.1-44., @2023 [Линк](#) 1.000
903. Li, H.Q., Chen, Z.H., Chen, Z.J., Qiu, Q.W., Zhang, Y.C., Chen, S.H. and Wang, Z.Y., Research Progress in Mercury Ion Fluorescence Probes Based on Organic Small Molecules. *Chinese Journal of Organic Chemistry*, DOI: 10.6023/cjoc202303041., @2023 [Линк](#) 1.000
904. Mutovska, M., Simeonova, N., Stoyanov, S., Zagranjarski, Y., Stanchovska, S. and Marinova, D., 2023. Naphthalene Monoimides with Perinannulated Disulfide Bridge—Synthesis and Electrochemical Redox Activity. *Materials*, 16(23), p.7471., @2023 [Линк](#) 1.000
381. Gentsheva, G., Nikolova, K., Panayotova, V., Peycheva, K., Makedonski, L., Slavov, P., Radusheva, P., **Petrova, P.,** Yotkovska, I. Application of *Arthrospira platensis* for Medicinal Purposes and the Food Industry: A Review of the Literature. *Life*, 13, 3, MDPI, 2023, ISSN:20751729, DOI:https://doi.org/10.3390/life13030845, 845. SJR (Scopus):0.634, JCR-IF (Web of Science):3.2
- Цитира се е:
905. Abreu A.P., Martins R., Nunes J., "Emerging Applications of *Chlorella* sp. and *Spirulina* (*Arthrospira*) sp.". *Bioengineering*, 10, 955, 2023, @2023 [Линк](#) 1.000
906. Ismail, M.M., El-Fakharany, E.M. & Hegazy, G.E. Purification and fractionation of phycobiliproteins from *Arthrospira platensis* and *Corallina officinalis* with evaluating their biological activities. *Sci Rep* 13, 14270, 2023., @2023 [Линк](#) 1.000
907. Mezgebu A., Liu X., Mingist M., Ban S., "Evaluating food quality of *Arthrospira platensis* for culturing *Daphnia magna*", *Aquaculture International*, 2023, @2023 [Линк](#) 1.000
908. Moradi S., Foshati S., Poorbaferani F., Talebi S., Bagheri R., Amirian P., Parvizi F., Nordvall M., Wong A., Zobeiri M., The effects of spirulina supplementation on serum iron and ferritin, anemia parameters, and fecal occult blood in adults with ulcerative colitis: A randomized, double-blinded, placebo-controlled trial, *Clinical Nutrition ESPEN*, V. 57, P. 755-763, ISSN 2405-4577, 2023, @2023 [Линк](#) 1.000
909. Pereira L., Valado A., "Algae-Derived Natural Products in Diabetes and Its Complications—Current Advances and Future Prospects" *Life*, 13, 1831, 2023., @2023 [Линк](#) 1.000
910. Tamel Selvan, K., Goon, J.A., Makpol, S., Tan, J.K. "Therapeutic Potentials of Microalgae and Their Bioactive Compounds on Diabetes Mellitus" *Mar. Drugs*, 21, 462, 2023., @2023 [Линк](#) 1.000
382. Issa, G., Kormunda, M., Tumurbaatar, O., Szegedi, Á., Kovacheva, D., **Karashanova, D.,** Popova, M. Impact of Ce/Zr Ratio in the Nanostructured Ceria and Zirconia Composites on the Selective CO₂ Adsorption. *Nanomaterials*, 13, 17, MDPI, 2023, ISSN:2079-4991, DOI:10.3390/nano13172428, 2428. SJR (Scopus):0.811, JCR-IF (Web of Science):5.3
- Цитира се е:
911. Xu, MT, Lu, Y, Chen, LG, Jin, QJ, Meng, XL, Wang, S, Zhu, CZ, Yang, J, Xu, HT. "Catalytic hydrolysis of carbonyl sulfide over Ce-Ox@ZrO₂ catalyst at low temperature". *JOURNAL OF MATERIALS SCIENCE*, 2023 DOI10.1007/s10853-023-09085-z, @2023 [Линк](#) 1.000

383. **Kircheva, N., Dobrev, S., Petkova, V.,** Nikolova, V., **Angelova, S.,** Dudev, T.. Complexation of metal cations (mono-, di- and trivalent) to cucurbiturils: Insights from a DFT/SMD study. XVI INTERNATIONAL CONFERENCE FOR YOUNG RESEARCHERS- PROCEEDINGS, 1, 6, THE SCIENTIFIC TECHNICAL UNION OF MECHANICAL ENGINEERING "INDUSTRY 4.0", 2023, ISSN:2535-020X, 9-12

Цитира се е:

912. He, S., Huang, B., Xiao, B., Chang, S., Podalko, M. and Nau, W.M., 2023. Stabilization of Guest Molecules inside Cation-Lidded Cucurbiturils Reveals that Hydration of Receptor Sites Can Impede Binding. *Angewandte Chemie International Edition*, 2023, 62, e202313864, @2023 [Линк](#) 1.000
384. Nikolova, V., **Dobrev, S., Kircheva, N.,** Yordanova, V., Dudev, T., **Angelova, S.** Host-guest complexation of cucurbit[7]uril and cucurbit[8]uril with the antimuscarinic drugs tropicamide and atropine. *Journal of Molecular Graphics and Modelling*, 119, Elsevier, 2023, ISSN:1093-3263, DOI:10.1016/j.jmgm.2022.108380, 108380. SJR (Scopus):0.423, JCR-IF (Web of Science):2.942
- Цитира се е:
913. Hamidian, Y.; Mostafazadeh, R.; Erk, N.; Karaman, C.; Camarada, M. B. "Green and Accurate Analytical Method for Monitoring Atropine in Foodstuffs as a Contaminant and in Pharmaceutical Samples". *J. Food Meas. Charact.* 2023, @2023 [Линк](#) 1.000
914. Malcomson, T., Edwards-Yates, L., Kerridge, A., "Tailoring the pore size of expanded porphyrinoids for lanthanide selectivity", *RSC Advances*, 2023, 13, 28426-28433, @2023 [Линк](#) 1.000
915. Meng, F., Ju, T., Han, S., Lin, L., Li, J., Chen, K. and Jiang, J., "Study on the effectiveness of ionic liquid-based biphasic amine solvent in removing H₂S, NH₃ and CO₂ from biogas and its influential characteristics". *Chemical Engineering Journal*, p.145805., @2023 [Линк](#) 1.000
385. **Kircheva, N., Angelova, S., Dobrev, S., Petkova, V.,** Nikolova, V., Dudev, T.. Cu+/Ag+ Competition in Type I Copper Proteins (T1Cu). *Biomolecules*, 13, 4, MDPI, 2023, ISSN:2218-273X, DOI:10.3390/biom13040681, 681. SJR (Scopus):1.074, JCR-IF (Web of Science):5.5
- Цитира се е:
916. Kamer, V., Jancso, A., Hemmingsen, L., "Probing the Bioinorganic Chemistry of Cu(I) with 111Ag Perturbed Angular Correlation (PAC) Spectroscopy", *Inorganics*, 11(10), 2023, @2023 [Линк](#) 1.000
917. Lakela, A.L., Berntsson, E., Vosough, F., Jarvet, J., Paul, S., Barth, A., Gräslund, A., Roos, P.M. and Wärmländer, S.K., 2023. Molecular interactions between silver ions (Ag⁺) and amyloid- β (A β) peptides: binding affinities and structural effects., @2023 [Линк](#) 1.000
386. **Dyankov, G.,** Genova-Kalou, P., Eftimov, T., Ghaffari, S. Sh., **Mankov, V., Kisov, H., Veselinov, P., Hikova, E., Malinowski, N.** Binding of SARS-CoV-2 Structural Proteins to Hemoglobin and Myoglobin Studied by SPR and DR LPG. *Sensors*, 23, 6, MDPI, 2023, ISSN:1424-8220, DOI:https://doi.org/10.3390/s23063346, 3346. SJR (Scopus):0.764, JCR-IF (Web of Science):3.9
- Цитира се е:
918. Assessing the interaction between hemoglobin and the receptor binding domain of SARS-CoV-2 spike protein through MARTINI coarse-grained molecular dynamics, @2023 [Линк](#) 1.000
919. Vassiliev, Pavel, et al. "Computational Analysis of CD46 Protein Interaction with SARS-CoV-2 Structural Proteins: Elucidating a Putative Viral Entry Mechanism into Human Cells." *Viruses* 15.12 (2023): 2297., @2023 1.000
387. Milenov, T., Dimov, D., Avramova, I., Kolev, S., Trifonov, D., Avdeev, G., **Karashanova, D., Georgieva, B.,** Ivanov, K., Valcheva, E. Modification of micro-crystalline graphite and carbon black by acetone, toluene, and phenol. *Journal of Chemical Physics*, 158, 6, AIP Publishing, 2023, ISSN:1089-7690, DOI:10.1063/5.0133736, 064706-1-064706-15. SJR (Scopus):1.196, JCR-IF (Web of Science):4.4
- Цитира се е:
920. Rud, A.D., Kornienko, N.E., Polunkin, I.V. et al. "Structure of carbon nanospheres modified with oxygen-containing groups and halogens". *Appl Nanosci* (2023). https://doi.org/10.1007/s13204-023-02817-2, @2023 [Линк](#) 1.000
388. Eftimov, T., Genova-Kalou, P., **Dyankov, G.,** Bock, W.J., **Mankov, V.,** Ghaffari, S.Sh., **Veselinov, P.,** Arapova, A., Makouei, S. Capabilities of Double-Resonance LPG and SPR Methods for Hypersensitive Detection of SARS-CoV-2 Structural Proteins: A Comparative Study. *Biosensors*, 13, 3, MDPI, 2023, ISSN:2079-6374, DOI:10.3390/bios13030318, 318. SJR (Scopus):0.713, JCR-IF (Web of Science):5.4
- Цитира се е:
921. Zhang, Xinyu, Xiangyu Hou, and Wenlin Feng. "Trace detection of canine distemper virus based on Michelson-interferometer sensing probe." *Journal of Biophotonics* (2023): e202300329., @2023 [Линк](#) 1.000
389. Nikolova, V., **Kircheva, N., Dobrev, S., Angelova, S.,** Dudev, T. Lanthanides as calcium mimetic species in calcium signaling/buffering proteins. The effect of lanthanide type on the Ca²⁺/Ln³⁺ competition. *International Journal of Molecular Sciences*, 24, 7, MDPI, 2023, ISSN:1422-0067, DOI:10.3390/ijms24076297, 6297. SJR (Scopus):1.154, JCR-IF (Web of Science):5.6

Цитира се е:

922. Malcomson, T., Edwards-Yates, L. and Kerridge, A., 2023. Tailoring the Pore Size of Expanded Porphyrinoids for Lanthanide Selectivity. *RSC Advances*, 13, 28426-28433, @2023 [Линк](#) 1.000

390. **Todorov, R., Hristova-Vasileva, T., Katrova, V., Atanasova, A.** Silver and Gold Containing Compounds of p-Block Elements As Perspective Materials for UV Plasmonics. ACS Omega, 8, 16, ACS, 2023, ISSN:2470-1343, DOI:10.1021/acsomega.2c05943, 14321-14341. SJR (Scopus):0.694, JCR-IF (Web of Science):4.1

Цитира се е:

923. Farooq, S., Zezell, D.M. Advances in Metallic-Based Localized Surface Plasmon Sensors for Enhanced Tropical Disease Detection: A **1.000** Comprehensive Review. Plasmonics, 2023, @2023 [Линк](#)