

Всички цитати (първа част - на научни публикации)

- **Звено:** (ИОМТ) Институт по оптически материали и технологии „Академик Йордан Малиновски”
- **Година:** 2020 ÷ 2020
- **Тип записи:** Записи, които влизат в отчета на звеното

Брой цитирани публикации: 255

Брой цитиращи източници: 605

Коригиран брой: 605.000

1984

1. Ferdinandov, E., **Stoykova, E.** Method of Laser Sounding of the Atmospheric Dynamics. Bulgarian journal of physics, 1, 11, 1984, 58-69

Цитира се в:

1. Pachedjieva, B. K., & Pavlova, P. E. (2020, September). Stochastic objects velocity estimation using Modified Time Mutability Method, **1.000** based on two-dimensional images. In 2020 XXIX International Scientific Conference Electronics (ET) (pp. 1-4). IEEE., @2020 [Линк](#)
2. Pavlova, P. E., & Pachedjieva, B. K. (2020, September). Methodology for numerical assessments of the quality of cloud fields images **1.000** used in time mutability method. In 2020 XXIX International Scientific Conference Electronics (ET) (pp. 1-5). IEEE., @2020 [Линк](#)

1988

2. 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 в:

3. Muhammed Abul Hasnat "YbPO₄ Crystals Containing Tellurite Glasses" Master Thesis, Department of Physics and Mathematics, **1.000** University of Eastern Finland (2020), @2020

1989

3. **Malinowski, N**, Shaber, N, Bergmann, T, Martin, T.P.. Electronic Shell Structure in NaO Clusters. 69, 733, 1989, ISSN:1879-2766, ISI IF:1.323

Цитира се в:

4. Yanez, O., Báez-Grez, R., Inostroza, D., (...), Garza, J., Tiznado, W. "AUTOMATON: A Program That Combines a Probabilistic Cellular **1.000** Automata and a Genetic Algorithm for Global Minimum Search of Clusters and Molecules" Journal of Chemical Theory and Computation, @2020 [Линк](#)

1994

4. Gospodinov, M., **Doshkova, D.** Growth and Optical Properties of Iron, Cobalt and Nickel Doped Bismuth Sillicate Crystals. Materials Research Bulletin, 29, 6, 1994, 681-686. JCR-IF (Web of Science):0.676

Цитира се в:

5. Elena Medina, Vidhara H. Pathirana, Jun Li, A.P.Ramirez, M.A.Subramanian "Tetrahedral Mn⁴⁺ as chromophore in sillenite-type **1.000** compounds" Journal of Solid State Chemistry, Volume 289, 121463 (2020), @2020

5. **Diankov GL**, Uzunov IM, Lederer F. Effect of third-order dispersion on pulse dynamics in nonlinear directional coupler. Electronics Letters, 30, 2, 1994, 155-156. SJR (Scopus):1.511 (x)

Цитира се в:

6. H Sakaguchi, BA Malomed , "Symmetry breaking in a two-component system with repulsive interactions and linear coupling" • **1.000** Communications in Nonlinear Science and Numerical Simulation, August 2020, @2020

6. **Kitova, S.**, Eneva, J, Panov, A., Haefke, H.. Infrared photography based on vapor-deposited silver sulfide thin films. Journal of Imaging Science and Technology, 38, 5, Society for Imaging Science and Technology, 1994, ISSN:1062-3701, 484-488. ISI IF:0.514

Цитира се в:

7. Ma, Y., Wan, H., Ye, Y., (...), Zhou, H., Chen, J. "In-situ synthesis of size-tunable silver sulfide nanoparticles to improve tribological properties of the polytetrafluoroethylene-based nanocomposite lubricating coatings". Tribology International, 148, 106324, 2020, @2020 [Линк](#) 1.000
7. 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:

8. Chu, D., Liu, Y., Li, Y., Liu, Y., Cui, Y., "Journey to the Holy Grail of a coordination saturated buckyball", Inorganic Chemistry Frontiers 7(13), pp. 2556-2559, @2020 [Линк](#) 1.000
9. Vanbuel, J., Germán, E., Libeert, G., (...), López, M.J., Janssens, E. "Reactivity of Cobalt-Fullerene Complexes towards Deuterium", ChemPhysChem 21(10), pp. 1012-1018, @2020 [Линк](#) 1.000

1995

8. 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:

10. Mao, J., Guo, P., Zhang, T., Zhang, S., Liu, C. "A first-principle study on hydrogen storage of metal atoms (M = Li, Ca, Sc, and Ti) coated B40 fullerene composites" Computational and Theoretical Chemistry 1181, 112823, @2020 [Линк](#) 1.000
9. **Petrova, D.**, Gospodinov, M., Sveshtarov, P.. Growth and optical properties of Bi₁₂ SiO₂₀ single crystals doped with first row transition metal and aluminium. Materials Research Bulletin, 30, 10, 1995, 1201-1206. JCR-IF (Web of Science):0.676

Цитира се в:

11. Medina, E., Pathirana, V.H., Li, J. Tetrahedral Mn⁴⁺ as chromophore in sillenite-type compounds, Journal of Solid State Chemistry, Volume 289, 121463(2020), @2020 1.000

1996

10. Tast, F., **Malinowski, N.**, Frank, S., Heinebrodt, M., Billas, I., Martin, T.P.. Cage Destruction in Metal-Fullerene Clusters. Physical Review Letters, 77, 17, American Physical Society, 1996, ISSN:0031-9007, 3529-3532. ISI IF:6.477

Цитира се в:

12. Chu, D., Liu, Y., Li, Y., Liu, Y., Cui, Y. "Journey to the Holy Grail of a coordination saturated buckyball" Inorganic Chemistry Frontiers 7(13), pp. 2556-2559, @2020 [Линк](#) 1.000
11. Martin, T.P., Zimmermann, U., **Malinowski, N.** Clusters of Fullerene Molecules and Metal Atoms. Physica Scripta, T66, Royal Swedish Academy of Sciences, 1996, ISSN:0031-8949, 38-47. ISI IF:0.827

Цитира се в:

13. Sittler, E.C., Cooper, J.F., Sturner, S.J., Ali, A. "Titan's ionospheric chemistry, fullerenes, oxygen, galactic cosmic rays and the formation of exobiological molecules on and within its surfaces and lakes" Icarus 344, 113246, @2020 [Линк](#) 1.000
12. Gospodinov, M, **Petrova, D.**, Sveshtarov, P, **Marinova, V.** "Optical absorption properties of Pb₅GeO₄(VO)₂ single crystals". Materials Research Bulletin, 31, 8, 1996, 1001-1005. JCR-IF (Web of Science):3.355

Цитира се в:

14. Денисова Л.Т., Молокеев М.С., Денисов В.М., Голубева Е.О., Галиахметова Н.А. "Синтез, структура и теплофизические свойства апатитов Pb₁₀-XB_{1X}(GeO₄)₂+XVO₄)₄-X (X = 0-3) в области 350-950 К" Физика Твёрдого Тела, Том: 62, Номер: 11, Страницы: 1828-1833 (2020), @2020 1.000

1997

13. 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 в:

15. Abhinav, K., Guha, P., Mukherjee, I. "Analysis and comparative study of non-holonomic and quasi-integrable deformations of the nonlinear Schrödinger equation" *Nonlinear Dynamics* Volume 99, Issue 2, 1 January 2020, Pages 1179-1194, @2020 1.000
14. B. Mihailova, L. Konstantinov, **D. Petrova**, M. Gospodinov. Effect of Dopping on Raman Spectra of Bi₁₂SiO₂₀. *Solid state communications*, 102, 6, 1997, 441-444. SJR (Scopus):0.419
[Цитира се в:](#)
16. Yifu Ke, WenhuaHuang, Santhosh KumarThatikonda, Ruqi Chen, ChuangyeYao, Ni Qin, Dinghua Bao. "Highly frequency-, temperature-, and bias-stable dielectric properties of 500 °C processed Bi₂SiO₅ thin films with low dielectric loss". *Current Applied Physics* Volume 20, Issue 6, June 2020, Pages 751-754, @2020 [Линк](#) 1.000
15. Tast, F., **Malinowski, N**, Frank, S, Heinebrodt, M., Billas, I., Martin, T.P.. Transition metal coated fullerenes. *Zeitschrift für Physik D Atoms, Molecules and Clusters*, 40, 1997, ISSN:0178-7683, 351-354. ISI IF:1.581
[Цитира се в:](#)
17. Chu, D., Liu, Y., Li, Y., Liu, Y., Cui, Y. "Journey to the Holy Grail of a coordination saturated buckyball" *Inorganic Chemistry Frontiers* 7(13), pp. 2556-2559, @2020 [Линк](#) 1.000
18. Vanbuel, J., Germán, E., Libeert, G., (...), López, M.J., Janssens, E. "Reactivity of Cobalt-Fullerene Complexes towards Deuterium" *ChemPhysChem* 21(10), pp. 1012-1018, @2020 [Линк](#) 1.000

1998

16. 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 в:](#)
19. Chen, T.-T., Li, W.-L., Chen, W.-J., (...), Li, J., Wang, L.-S. "Spherical trihedral metallo-borospherenes" *Nature Communications* 11(1), 2766, @2020 [Линк](#) 1.000
20. MahdaviFar, Z., Nomresaz, Z., Shakerzadeh, E. "Hetero-fullerenes C₅₉M (M = B, Al, Ga, Ge, N, P, As) for sulfur dioxide gas sensing: Computational approach" *Chemical Physics* 530, 110606, @2020 [Линк](#) 1.000
17. 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 в:](#)
21. Al-Baradi, A.M., Altowairqi, F.A., Atta, A.A., (...), Kamal, A.M., El-Nahass, M.M. "Structural and optical characteristic features of RF sputtered CdS/ZnO thin films". *Chinese Physics B*, 29(8), 080702, 2020, @2020 [Линк](#) 1.000
22. Hassanien, A.M., Atta, A.A., El-Nahass, M.M., (...), Alodhayb, A., Kamal, A.M. "Effect of annealing temperature on structural and optical properties of gallium oxide thin films deposited by RF-sputtering". *Optical and Quantum Electronics*, 52(4), 194, 2020, @2020 [Линк](#) 1.000
23. Nawar, A.M., Yahia, I.S., Al-Kotb, M.S. "Convective self-assembled processed multiwall carbon nanotube thin films for semi-transparent microelectronic applications". *Journal of Materials Science: Materials in Electronics*, 31(15), pp. 12127-12136, 2020, @2020 [Линк](#) 1.000
24. Zhao, X., Wang, T., Zhang, M., Yang, Y. 2020 Shenzhen Daxue Xuebao (Ligong Ban). "Experimental analysis and compensation method of one-dimensional photonic crystal with disordered film thickness perturbation". *Journal of Shenzhen University Science and Engineering*, 37(1), pp. 44-50, 2020, @2020 [Линк](#) 1.000

1999

18. 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:10.1063/1.478865, 9915-9921. ISI IF:3.017
[Цитира се в:](#)
25. Ranjan, P., Chakraborty, T. "Structure and electronic properties of AunPt (n = 1–8) nanoalloy clusters: the density functional theory study" *Journal of Nanoparticle Research* 22(2), 35, @2020 [Линк](#) 1.000
19. 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:](#)

26. Behmanesh, A., Salimi, F., Ebrahimzadeh Rajaei, G. "Adsorption behavior of letrozole on pure, Ge- and Si-doped C60 fullerenes: a comparative DFT study" *Monatshefte fur Chemie* 151(1), pp. 25-32, @2020 [Линк](#) 1.000
27. Kamali, F., Ebrahimzadeh Rajaei, G., Mohajeri, S., Shamel, A., Khodadadi-Moghaddam, M. "Adsorption behavior of metformin drug on the C60 and C48 nanoclusters: a comparative DFT study" *Monatshefte fur Chemie* 151(5), pp. 711-720, @2020 [Линк](#) 1.000
28. Vashchenko, A.V., Kuzmin, A.V., Shainyan, B.A. "Single Si-doped fullerene as a catalyst in the oxygen reduction reaction: A quantum chemical insight" *International Journal of Quantum Chemistry Article in Press*, @2020 [Линк](#) 1.000

2000

20. 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:

29. Cheng, X., Miao, T., Qian, Y., Zhang, Z., Zhang, W., Zhu, X. "Supramolecular chirality in azobenzene-containing polymer system: Traditional postpolymerization self-assembly versus in situ supramolecular self-assembly strategy". *International Journal of Molecular Sciences* 21(17), 6186, pp. 1-36, 2020. DOI: 10.3390/ijms21176186, @2020 [Линк](#) 1.000
30. Xiaoxiao Cheng, Tengfei Miao, Lu Yin, Yujin Ji, Youyong Li, Zhengbiao Zhang, Wei Zhang and Xiulin Zhu. "In Situ Controlled Construction of Hierarchical Supramolecular Chiral Liquid-Crystalline Polymer Assembly". *Angewandte Chemie - International Edition*. DOI: 10.1002/ange.202001657, 2020., @2020 [Линк](#) 1.000

2001

21. **Marinova, V.**, Veleva, M., Petrova, D., Kourmoulis, I., Papazoglou, D., Apostolidis, A., Vanidhis, E., Deliolanis, N.. Optical properties of Bi12SiO20 single crystals doped with 4d and 5d transition elements. *journal of applied physics*, 89, 5, 2001, 2686-2689. ISI IF:2.183

Цитира се:

31. Elena Medina, Vidhara H. Pathirana, Jun Li, A.P. Ramirez, M.A. Subramanian "Tetrahedral Mn⁴⁺ as chromophore in sillenite-type compounds" *Journal of Solid State Chemistry*, Volume 289, 121463 (2020), @2020 1.000
32. M. Isik, S. Delice, H. Nasser, N.M. Gasanly, N.H. Darvishov, V.E. Bagiev "Optical characteristics of Bi12SiO20 single crystals by spectroscopic ellipsometry" *Materials Science in Semiconductor Processing*, Vol. 120, 105286 (2020), @2020 1.000

22. **Nedelchev, L**, Nikolova, L, Todorov, T, Petrova, T, Tomova, N, Dragostinova, V, Ramanujam, P.S, Hvilsted, S. Light propagation through photoinduced chiral structures in azobenzene-containing polymers. *Journal of Optics A: Pure and Applied Optics*, 3, 4, Institute of Physics Publishing, 2001, ISSN:1464-4258, DOI:http://dx.doi.org/10.1088/1464-4258/3/4/313, 304-310. ISI IF:1.742

Цитира се:

33. Cheng, X., Miao, T., Qian, Y., Zhang, Z., Zhang, W., Zhu, X. "Supramolecular chirality in azobenzene-containing polymer system: Traditional postpolymerization self-assembly versus in situ supramolecular self-assembly strategy". *International Journal of Molecular Sciences* 21(17), 6186, pp. 1-36, 2020. DOI: 10.3390/ijms21176186, @2020 [Линк](#) 1.000

23. **Babeva, T**, **Kitova, S**, Konstantinov, I. Photometric methods of determination of the optical constants and the thickness of thin absorbing films: Selection of a combination of photometric quantities on the base of error analysis. *Applied Optics*, 40, 2001, 2675-2681. ISI IF:1.784

Цитира се:

34. Mohamed Shehata, S. S. Ibrahim, M. H. Osman, N. N. Nagib, "Ellipsometric studies on rough Zn and Cd polycrystalline samples", *Journal of Scientific Research in Science*, Article 2, Volume 37, Part 1 (Basic Sciences), 2020, Page 22-30, 2020, @2020 1.000

24. Levichkova, M, **Mankov, V**, Starbov, N, **Karashanova, D**, Mednikarov, B, Starbova, K. Structure and properties of nanosized electron beam deposited zirconia thin films. *SURFACE & COATINGS TECHNOLOGY*, 141, 1, ELSEVIER SCIENCE SA, 2001, ISSN:0257-8972, DOI:10.1016/S0257-8972(01)01162-8, 70-77. ISI IF:1.998

Цитира се:

35. Frettlow, V, Mumme, F, Fornalczyk, G, Sommer, M, Beck, C, Korres, M. "Ceramic Coatings via MOCVD in Injection Molding Tools to Influence Thermal and Demolding Properties". *HTM-JOURNAL OF HEAT TREATMENT AND MATERIALS*. 75 (2) 121-132, DOI: 10.3139/105.110404. 2020, @2020 [Линк](#) 1.000

2002

25. V Rashkova, **S Kitova**, I Konstantinov, T Vitanov. Vacuum evaporated thin films of mixed cobalt and nickel oxides as electrocatalyst for oxygen evolution and reduction. *Electrochimica Acta*, 47, 10, Elsevier Limited, 2002, ISSN:0013-4686, DOI:doi:10.1016/S0013-4686(01)00897-0, 1555-1560. SJR:1.556, ISI IF:2.453

Цитира се в:

36. Al-Sharif, M.S., Arunachalam, P., Abiti, T., (...), Al-Shalwi, M., Ghanem, M.A. "Mesoporous cobalt phosphate electrocatalyst prepared using liquid crystal template for methanol oxidation reaction in alkaline solution". *Arabian Journal of Chemistry*, 13(1), pp. 2873-2882, 2020, @2020 [Линк](#) **1.000**
37. Ding, Z., Bian, J., Shuang, S., (...), Sun, C., Yang, Y. "High Entropy Intermetallic–Oxide Core–Shell Nanostructure as Superb Oxygen Evolution Reaction Catalyst". *Advanced Sustainable Systems*, 4(5), 1900105, 2020, @2020 [Линк](#) **1.000**
38. Li, M., Bi, X., Wang, R., (...), Chen, Z., Lu, J. "Relating Catalysis between Fuel Cell and Metal-Air Batteries". *Matter*, 2(1), pp. 32-49, 2020, @2020 [Линк](#) **1.000**
39. Mbugua, N.S., Kang, M., Zhang, Y., (...), Bertrand, G.V., Yao, L. "Electrochemical deposition of Ni, NiCo Alloy and NiCo-ceramic composite coatings-A critical review". *Materials*, 13(16), 3475, 2020, @2020 [Линк](#) **1.000**
40. Samuel, M.S., Selvarajan, E., Mathimani, T., (...), Brindhadevi, K., Pugazhendhi, A. "Green synthesis of cobalt-oxide nanoparticle using jumbo Muscadine (*Vitis rotundifolia*): Characterization and photo-catalytic activity of acid Blue-74 ". *Journal of Photochemistry and Photobiology B: Biology*, 211, 112011, 2020, @2020 [Линк](#) **1.000**
41. Wageh, S., Al-Ghamdi, A.A., Numan, A., Iqbal, J. "Silver sulfide nanoparticles incorporated into graphene oxide: an efficient electrocatalyst for the oxygen reduction reaction". *Journal of Materials Science: Materials in Electronics*, 31(11), pp. 8127-8135, 2020, @2020 [Линк](#) **1.000**
42. Wu, X., Tang, C., Cheng, Y., (...), Jiang, S.P., Wang, S. "Bifunctional Catalysts for Reversible Oxygen Evolution Reaction and Oxygen Reduction Reaction". *Chemistry - A European Journal*, in pre3ss Article in Press, @2020 [Линк](#) **1.000**
26. **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 в:

43. M.A.Hamza, A.N.El-Shazly Sarah, A.Tolba, Nageh K. Allam "Novel Bi-based photocatalysts with unprecedented visible light-driven hydrogen production rate: Experimental and DFT insights" *Chemical Engineering Journal*, Volume 384, 123351 (2020), @2020 [Линк](#) **1.000**
44. Salah Ud Din, Mahmood ul Haq, Rabia Khatoon, Xuehua Chen, Li Li, Manjun Zhang and Liping Zhu "A novel ethanol gas sensor based on α-Bi₂Mo₃O₁₂/Co₃O₄ nanotube-decorated particles" *RSC Advances*, 10, 21940-21953 (2020), @2020 **1.000**
45. Saraiva, G. D.; da Silva Filho, J. G.; Saraiva-Souza, A.; Ramiro de Castro, A. J.; Teixeira, A. M. R. ; Luz-Lima, C. ; Oliveira, F. G. S.; Sousa Neto, V. O. ; Freire, P. T. C.; de Sousa, F. F. "Temperature dependence Raman spectroscopy and DFT calculations of Bi₂(MoO₄)₃" *SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY* 224, 117340 (2020), @2020 **1.000**
46. Ziaul Raza Khan, Mohd Shkir, T. Alshahrani, M. Aslam Manthrammel, S. Al Faify "Facile microwave synthesis of bismuth molybdate nanostructures and their characterization for optoelectronic applications" *Solid State Sciences*, Volume 107, 106361 (2020), @2020 **1.000**
27. **Nedelchev, L.**, Nikolova, L, Matharu, A, Ramanujam, P.S. Photoinduced macroscopic chiral structures in a series of azobenzene copolyesters. *Applied Physics B*, 75, 6-7, Springer-Verlag, 2002, ISSN:0946-2171, DOI:10.1007/s00340-002-1027-0, 671-676. ISI IF:1.856

Цитира се в:

47. Cheng, X., Miao, T., Qian, Y., Zhang, Z., Zhang, W., Zhu, X. "Supramolecular chirality in azobenzene-containing polymer system: Traditional postpolymerization self-assembly versus in situ supramolecular self-assembly strategy". *International Journal of Molecular Sciences* 21(17), 6186, pp. 1-36, 2020. DOI: 10.3390/ijms21176186, @2020 [Линк](#) **1.000**
28. **Nedelchev, L.**, Matharu, A, Nikolova, L, Hvilsted, S, Ramanujam, P.S. Propagation of polarized light through azobenzene polyester films. *Molecular Crystals and Liquid Crystals*, 375, 1, Taylor and Francis, 2002, ISSN:1542-1406, DOI:10.1080/105872502106000, 563-575. ISI IF:0.537

Цитира се в:

48. Cheng, X., Miao, T., Qian, Y., Zhang, Z., Zhang, W., Zhu, X. "Supramolecular chirality in azobenzene-containing polymer system: Traditional postpolymerization self-assembly versus in situ supramolecular self-assembly strategy". *International Journal of Molecular Sciences* 21(17), 6186, pp. 1-36, 2020. DOI: 10.3390/ijms21176186, @2020 [Линк](#) **1.000**
29. 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 в:

49. Boustani, I. "Three-Dimensional Polyhedra" *Springer Series in Materials Science* 290, pp. 415-501, @2020 [Линк](#) **1.000**
50. Jikuya, T., Sakaue, H., Suzuki, H. "Exclusion of PCBM molecules from C60 domain on Au (111)" *Japanese Journal of Applied Physics* 59(SD), SDDA18, @2020 [Линк](#) **1.000**

30. 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

Цитирање:

51. M. Isik, S. Delice, H. Nasser, N.M. Gasanly, N.H. Darvishov, V.E. Bagiev "Optical characteristics of Bi₁₂SiO₂₀ single crystals by spectroscopic ellipsometry" Materials Science in Semiconductor Processing, Vol. 120, 105286 (2020), @2020 1.000
52. Marcos V. dos S. Rezende, Carlos W.A. Paschoal, Mário E.G.Valerio, Robert A.Jackson "Computer modelling of Bi₁₂SiO₂₀ and Bi₄Si₃O₁₂: Intrinsic defects and rare earth ion incorporation" Journal of Solid State Chemistry, Volume 292, 121608 (2020), @2020 1.000

31. **Dikova, J.**, **Sharlandjiev, P.**, Gusterova, P, **Babeva, T.** Photoinduced changes in the optical properties of obliquely deposited a-As₂S₃ films. Vacuum, 69, 2002, 395-398. ISI IF:1.62

Цитирање:

53. Ihor P. Studenyak, Olexander I. Shpak, Mladen Kranjčec, Mykhailo M. Pop, Ivan I. Shpak, Piotr Kisala, Patryk Panas, Ryszard Romaniuk, Ulzhalgas Zhunissova, Ainur Ormanbekova, "Temperature studies of optical absorption edge in (Ag₂S)_x(As₂S₃)_{1-x}(x, @2020 1.000

32. **Babeva, T.**, **Kitova, S.**, Mednikarov, B, Konstantinov, I. Preparation and characterization of a reference aluminum mirror. Applied Optics, 41, 2002, 3840-3846. ISI IF:1.784

Цитирање:

54. He, C.-Y., Gao, X.-H., Dong, M., (...), Guo, H.-X., Liu, G. "Further investigation of a novel high entropy alloy MoNbHfZrTi based solar absorber coating with double antireflective layers". Solar Energy Materials and Solar Cells, 17, 110709, 2020, @2020 [Линк](#) 1.000
55. Pozzobon, V., Levasseur, W., Do, K.-V., Palpant, B., Perré, P., "Household aluminum foil matte and bright side reflectivity measurements: Application to a photobioreactor light concentrator design", Biotechnology Reports, 25, e003992020, , @2020 [Линк](#) 1.000

33. **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

Цитирање:

56. Jaime Frejlich "Photorefractive Materials for Dynamic Optical Recording: Fundamentals, Characterization, and Technology" © 2020 1.000 John Wiley & Sons, Inc. (2020) Print ISBN:9781119563778 |Online ISBN:9781119563709 DOI:10.1002/9781119563709, @2020

2003

34. Tsvetkova T., Balabanov S., Skordeva E., **Kitova S.**, Sielanko J., Maczka D., Zuk J.. Surface morphology effects of post-implantation annealing in thin amorphous films of the As-Se system. Vacuum, 2, 2003, ISSN:0042207X, 143-147. JCR-IF (Web of Science):0.692

Цитирање:

57. Priyadarshini, P., Sahoo, D., Aparimita, A., (...), Varadarajaperumal, S., Naik, R. . "Switching of linear and nonlinear optical parameters in As₃₅Se₆₅ thin films upon annealing at both above and below T_g". Applied Physics A: Materials Science and Processing, 126(11), 910, 2020, @2020 [Линк](#) 1.000

35. **Karashanova, D.**, Starbova, K, Starbov, N. Microstructure correlated properties of obliquely vacuum deposited Ag₂S thin films. JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, 5, 4, NATL INST OPTOELECTRONICS, 2003, ISSN:1454-4164, 903-906. ISI IF:0.996

Цитирање:

58. Sonawane, P.S. Borse, S.R. Wagh, M.S. Shirsath, N.B. "EFFECT OF NONSTOICHIOMETRY ON SURFACE MORPHOLOGY OF CHEMICALLY PREPARED NANOSTRUCTURED Ag₂S THIN FILMS". Journal of engineering sciences. 11 (4), 2020, 1360-1366., @2020 [Линк](#) 1.000

36. **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

Цитирање:

59. Razieh Talebi, Fough Taheri Ghahfarokhi, and Daryoosh Vashae. "Photoinduced tunable birefringence and dichroism in silver nanogratings". Journal of the Optical Society of America B (published online: 30.07.2020), 2020., @2020 [Линк](#) 1.000

37. Tzenova, V., **Stoykova, E.** Refractive index measurement in human tissue samples. SPIE, 5226, 2003, 413-417. ISI IF:0.2

Цитирање:

60. Sinha, S., Singh, P. K., Lohia, P., & Dwivedi, D. K. (2020). Evanescent Wave Fiber Optic Biosensor: A Theoretical Study for Detection of Human Intestine Tissues. *Sensor Letters*, 18(2), 150-156., @2020 [Линк](#) 1.000
61. БЕЗУГЛИЙ, Михайло Олександрович. Еліпсоїдальні рефлектори для фотометрії біологічних середовищ. 2020., @2020 1.000
62. Еліпсоїдальні рефлектори для фотометрії світлорозсіяння біологічними середовищами: монографія/ М.О.Безуглий, Н.В.Безугла.–Київ: КПІ ім. Ігоря Сікорського, Вид-во «Політехніка», 2020.–308с. ISBN 978-966-990-011-1, @2020 [Линк](#) 1.000
38. Arabatzis, I.M., Stergiopoulos, T., Andreeva, D, **Kitova, S.**, Neophytides, S.G, Falaras, P.. Characterization and photocatalytic activity of Au/TiO₂ thin films for azo-dye degradation. *Journal of Catalysis*, 220, 1, Academic Press Inc, 2003, ISSN:0021-9517, DOI:doi:10.1016/S0021-9517(03)00241-0, 127-135. SJR:2.075, ISI IF:4.063

Цитують це в:

63. Bhardwaj, S., Sharma, D., Kumari, P., Pal, B. "Influence of photodeposition time and loading amount of Ag co-catalyst on growth, distribution and photocatalytic properties of Ag@TiO₂ nanocatalysts". *Optical Materials*, 106, 109975, 2020, @2020 [Линк](#) 1.000
64. Dong, Y., Tao, F., Tao, F., (...), Zhang, J., Hong, T. "One-pot preparation of hierarchical Cu₂O hollow spheres for improved visible-light photocatalytic properties". *RSC Advances*, 10(38), pp. 22387-22396, 2020, @2020 [Линк](#) 1.000
65. Ghazal, S., Akbari, A., Hosseini, H.A., (...), Khatami, M., Darroudi, M. "Biosynthesis of silver-doped nickel oxide nanoparticles and evaluation of their photocatalytic and cytotoxicity properties". *Applied Physics A: Materials Science and Processing*, 126(6), 480, 2020, @2020 [Линк](#) 1.000
66. Hampel, B., Pap, Z., Sapi, A., (...), Baia, L., Hernadi, K. "Application of TiO₂-Cu composites in photocatalytic degradation different pollutants and hydrogen production". *Catalysts*, 10(1), 85, 2020, @2020 [Линк](#) 1.000
67. Hernández, R., Hernández-Reséndiz, J.R., Cruz-Ramírez, M., (...), Ortiz-Frade, L., Esquivel, K. "AuTiO₂ synthesized by a microwave- and sonochemistry-assisted sol-gel method: Characterization and application as photocatalyst". *Catalysts*, 10(9), 1052, pp. 1-18, 2020, @2020 [Линк](#) 1.000
68. Hernández, R., Hernández-Reséndiz, J.R., Martínez-Chávez, A., (...), Escobar-Alarcón, L., Esquivel, K. "X-ray diffraction Rietveld structural analysis of Au-TiO₂ powders synthesized by sol-gel route coupled to microwave and sonochemistry". *Journal of Sol-Gel Science and Technology*, 95(1), pp. 239-252, 2020, @2020 [Линк](#) 1.000
69. Jouali, A., Salhi, A., Aguedach, A., (...), Krati, M.E., Tahiri, S. "Photo-catalytic degradation of polyphenolic tannins in continuous-flow reactor using titanium dioxide immobilized on a cellulosic material". *Water Science and Technology*, 82(7), pp. 1454-1466, 2020, @2020 [Линк](#) 1.000
70. Kurikawa, Y., Togo, M., Murata, M., (...), Kobayashi, H., Higashimoto, S. "Mechanistic insights into visible light-induced direct hydroxylation of benzene to phenol with air and water over Pt-modified WO₃ photocatalyst". *Catalysts*, 10(5), 557, 2020, @2020 [Линк](#) 1.000
71. Leeth Holterhoff, A., Girgis, V., Gibbs, J.G. "Material-dependent performance of fuel-free, light-activated, self-propelling colloids". *Chemical Communications*, 56(29), pp. 4082-4085, 2020, @2020 [Линк](#) 1.000
72. Li, J., Diao, X., Xiao, Y., (...), Li, Q., Liao, B. "Effect of surfactant SDS on the morphology and photocatalytic performance of Zn₂GeO₄nanorods". *Materials Research Express*, (8), 085005, 2020, @2020 [Линк](#) 1.000
73. Mahy, J.G., Sotrez, V., Tasseroul, L., Hermans, S., Lambert, S.D. "Activation treatments and SiO₂/Pd modification of Sol-Gel TiO₂ photocatalysts for enhanced photoactivity under UV radiation". *Catalysts*, 10(10), 1184, pp. 1-15, 2020, @2020 [Линк](#) 1.000
74. Majumder, S., Chatterjee, S., Basnet, P., Mukherjee, J. "ZnO based nanomaterials for photocatalytic degradation of aqueous pharmaceutical waste solutions – A contemporary review". *Environmental Nanotechnology, Monitoring and Management*, 14, 100386, 2020, @2020 [Линк](#) 1.000
75. Mao, J., Wu, Q., Tao, F., (...), Hong, T., Dong, Y. "Facile fabrication of porous BiVO₄ hollow spheres with improved visible-light photocatalytic properties". *RSC Advances*, 10(11), pp. 6395-6404, 2020, @2020 [Линк](#) 1.000
76. Rosado, G., Valenzuela-Muñiz, A.M., Miki-Yoshida, M., Gómez, Y.V. "Facile method to obtain anatase and anatase-brookite nanoparticles (TiO₂) with MWCNT towards reducing the bandgap". *Diamond and Related Materials*, 109, 108015, 2020, @2020 [Линк](#) 1.000
77. Saadi, S., Motesaker, P.M., Rokni, S.E., (...), Farnoodian, N., Yousefi, A. "The electrochemical degradation of the metronidazole (MNZ) antibiotic using electrochemical oxidation on a stainless steel316 coated with beta lead oxide (SS316/β-PbO₂) anode". *International Journal of Chemical Reactor Engineering*, 18(4), 20190226, 2020, @2020 [Линк](#) 1.000
78. Sadi, A.B., Al Bilali, R.K., Abubshait, S.A., Kochkar, H. "Low temperature design of titanium dioxide anatase materials decorated with cyanuric acid for formic acid photodegradation". *Journal of Saudi Chemical Society*, 24(4), pp. 351-363, 2020, @2020 [Линк](#) 1.000
79. Salem, I.A., Shaltout, M.H., Zaki, A.B. "Homogeneous and heterogeneous catalytic oxidation of some azo dyes using copper(II) ions". *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 227, 117618, 2020, @2020 [Линк](#) 1.000
80. Spiridonov, V.V., Liu, X.Y., Zezin, S.B., (...), Sybachin, A.V., Yaroslavov, A.A. "Hybrid nanocomposites of carboxymethyl cellulose cross-linked by in-situ formed Cu₂O nanoparticles for photocatalytic applications". *Journal of Organometallic Chemistry*, 914, 121180, 2020, @2020 [Линк](#) 1.000
81. Yang, C., Meng, Y., Xia, S., Pan, G. "Hot Carrier Transfer-Induced Photodegradation at a Thiolated Au/TiO₂Interface under X-ray Irradiation". *Journal of Physical Chemistry C*, 124(40), pp. 22212-22220, 2020, @2020 [Линк](#) 1.000
82. Yu, Y., Zhu, X., Wang, L., (...), Chang, C., Luo, X. "A simple strategy to design 3-layered Au-TiO₂ dual nanoparticles immobilized cellulose membranes with enhanced photocatalytic activity". *Carbohydrate Polymers*, 231, 115694, 2020, @2020 [Линк](#) 1.000
83. Zhang, Y. "Research on the performance of Cu-Fe-Pd-La/FSC catalyst based on COD". *Journal of Physics: Conference Series*, 1549(3), 032050, 2020, @2020 [Линк](#) 1.000

84. Zhou, D., Zhuang, R., Chang, X., Li, L. "Enhanced light-harvesting efficiency and adaptation: A review on visible-light-driven micro/nanomotors". Research, 2020, 6821595, 2020, @2020 [Линк](#) 1.000
39. **Marinova, V.**, Lin, S. H., Sainov, V., Gospodinov, M., Hsu, K. Y.. Light-induced properties of Ru-doped Bi₁₂TiO₂₀ crystals. Journal of Optics A: Pure and Applied Optics, 5, 6, 2003, S500-S506. ISI IF:2.059
[Цитируемые:](#)
85. Jaime Frejlich "Photorefractive Materials for Dynamic Optical Recording: Fundamentals, Characterization, and Technology" © 2020 John Wiley & Sons, Inc. (2020), @2020 1.000
40. **Tomova, R.**, Stoicheva - Topalova, R, Buroff, A. Thin-film sensors based on evaporated chalcogenide glasses. J. of Materials Science: Materials in Electronics, 14, 10-12, Springer, 2003, ISSN:ISSN 0957-4522, 843-847. JCR-IF (Web of Science):0.638
[Цитируемые:](#)
86. Abd-Elnaiem, A.M., Hassan, R.M., Alamri, H.R. et al. Comparative investigation of linear and nonlinear optical properties of As-70 at% Te thin films: influence of Ga content. J Mater Sci: Mater Electron (2020). <https://doi.org/10.1007/s10854-020-03872-z>, @2020 [Линк](#) 1.000
87. Hassan, R.M., Moustafa, S. & Abd-Elnaiem, A.M. "Optimization of the linear and nonlinear optical properties of amorphous As₃₀Te₆₉Ga₁ thin films by the annealing process". J Mater Sci: Mater Electron 31, 20043–20059 (2020)., @2020 [Линк](#) 1.000

2004

41. **Karashanova, D.**, Nihtianova, 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
[Цитируемые:](#)
88. Danyu, Huang. Ning, Chen. Changyin, Zhu. Guodong, Fang. Dongmei, Zhou. "The overlooked oxidative dissolution of silver sulfide nanoparticles by thermal activation of persulfate: Processes, mechanisms, and influencing factors". Science of The Total Environment 760, 144504., @2020 [Линк](#) 1.000
89. Du, Chunyan. Tian, Jiayuan. Liu, Xiaojie. "Effect of intrinsic vacancy defects on the electronic properties of monoclinic Ag₂S". MATERIALS CHEMISTRY AND PHYSICS 249, Article Number: 122961, DOI: 10.1016/j.matchemphys.2020.122961., @2020 [Линк](#) 1.000
90. Raid A. ismail. Abdul-Majeed E. Al-Samarai. Faris M. Ahmed. "Optoelectronic properties of n-Ag₂S nanotubes/p-Si heterojunction photodetector prepared by chemical bath deposition technique: An effect of deposition time". Surfaces and Interfaces, 21, 100753., @2020 [Линк](#) 1.000
91. Sadovnikov, Stanislav, I. Gusev, Aleksandr, I. "Synthesis of Ag₂S colloidal solutions in D₂O heavy water". RSC ADVANCES 10 (66) 40171-40179, DOI: 10.1039/d0ra07853k., @2020 [Линк](#) 1.000
92. Smagin, V. P. Zatonskaya, L. V. Il'ina, E. G. Khamutova, E. P. "Photoluminescence of Polymethylmethacrylate/(Zn, Cu, Ag)₂S:Eu(3+)Compositions". PHYSICS OF THE SOLID STATE 62 (7) 1214-1221, DOI: 10.1134/S1063783420070240., @2020 [Линк](#) 1.000
93. Vorontsova, E C. Kuznetsova, Yu V. Rempel, S V. "Preparation and study of films formed by Ag₂S nanoparticles stabilized by MPS". AIP Conference Proceedings 2313, 030042 <https://doi.org/10.1063/5.0032594>, @2020 [Линк](#) 1.000
94. Ye, Xiangyi. Qi, Peng. Sun, Yan. Zhang, Dun. Zeng, Yan. "A high flexibility all-solid contact sulfide selective electrode using a graphene transducer". ANALYTICAL METHODS 12 (24) 3151-3155, DOI: 10.1039/d0ay00420k., @2020 [Линк](#) 1.000
95. Воронцова, Е.С. Кузнецова, Ю. В. Ремпель, С. В. "Получение и изучение пленок из наночастиц Ag₂s, стабилизированных МПС". Сборник статей VII Международной молодежной научной конференции (Екатеринбург, 18–22 мая 2020 г.). — Екатеринбург : УрФУ, С. 339-346., @2020 [Линк](#) 1.000
42. Petkov K, **Todorov R.**, Kozhuharova 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
[Цитируемые:](#)
96. Abdel-Wahab, F., Ashraf, I.M. & Ahmed, F.B. Optical Parameters of Both As₂S₃ and As₂Se₃ Thin Films from Ultraviolet to the Near-Infrared via Variable-Angle Spectroscopic Ellipsomete, Semiconductors 54, 1430–1438, 2020., @2020 [Линк](#) 1.000
97. Mariam Khalid Globe and Saleem Azara Hussain, Study of the structural and Optical Properties of Composite (PbS/CuS) Thin Films prepared by Thermal Evaporation Method, Journal of Physics: Conference Series, 1664, 012012, 2020., @2020 [Линк](#) 1.000
43. **Dimitrov, D.**, Shieh, H.-P. D.. The influence of oxygen and nitrogen doping on properties of GeSbTe phase-change optical recording media. Materials Science and Engineering B, 107, 2004, 107-112. SJR (Scopus):0.89, JCR-IF (Web of Science):2.169
[Цитируемые:](#)
98. Song Sun, Yifeng Hu, Yongkang Xu, and Tianshu Lai "Crystallization and Resistance Behavior of MgSb/Sb Multilayer Thin Films for Memory Application" Journal of Electronic Materials, Volume 49, Issue 2, pp 980–984 (2020), @2020 1.000

2005

44. 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 с:
99. Wazzan, N.; Safi, Z.; Al-Barakati, R.; Al-Qurashi, O.; Al-Khateeb, L. "DFT investigation on the intramolecular and intermolecular proton transfer processes in 2-aminobenzothiazole (ABT) in the gas phase and in different solvents", Structural Chemistry STRUCTURAL CHEMISTRY, Volume: 31, Issue: 1, Pages: 243-252, DOI: 10.1007/s11224-019-01395-w, @2020 [Линк](#) 1.000
45. Mednikarov, B, **Spasov, G, Babeva, T.** Aluminum nitride layers prepared by DC/RF magnetron sputtering. Journal of Optoelectronics and Advanced Materials, 7, 3, 2005, 1421-1427. ISI IF:0.429
Цитира се с:
100. Krishan Kumar, Anuj Kumar, Davinder Kaur, "Improved power conversion efficiency in n-MoS₂/AlN/p-Si (SIS) heterojunction based solar cells", Materials Letters, 277, 128360, 2020, @2020 1.000
46. Tinchev, S, Nikolova, R, Dylugerska, Y, Danev, G, **Babeva, T.** a-C:H absorber layer for solar cells matched to solar spectrum. Solar Energy Materials&Solar Cells, 86, 2005, 421-426. ISI IF:5.337
Цитира се с:
101. Sandeep, A, Archana, K, Ellappan, S, Mallesham, D. " ADVANCEMENT OF SOLAR SELECTIVE DLC COATING USING CAPVD FOR SOLAR THERMAL APPLICATIONS", Journal of Thermal Engineering , 6 (4) , 422-437, (2020), @2020 1.000
47. **Kitova, S.**, Minchev, M., Danev, G.. Soft plasma treatment of polymer surfaces. Journal of Optoelectronics and Advanced Materials, 7, 1, 2005, ISSN:1454-4164, 249-252. SJR:0.184, ISI IF:1.138
Цитира се с:
102. Lee, J.-W., Choi, Y., Jang, J., (...), Lee, W., Ju, B.-K. "High sensitivity flexible paper temperature sensor and body-attachable patch for thermometers". Sensors and Actuators, A: Physical, 313, 112205, 2020, @2020 [Линк](#) 1.000
103. Yildirim, A.Z., Unver, S., Mese, A., (...), Denkbaz, E.B., Cevik, P. . "Effect of argon plasma and Er:YAG laser on tensile bond strength between denture liner and acrylic resin". Journal of Prosthetic Dentistry, 124(6), pp. 799e1-799e5, 2020, @2020 [Линк](#) 1.000
48. Mednikarov, B, **Spasov, G, Babeva, T, Pirov, J,** Sahatchieva, M, Popov, C, Kulisch, W. Optical properties of diamond-like carbon and nanocrystalline diamond films. Journal of Optoelectronics and Advanced Materials, 7, 3, 2005, 1407-1413. ISI IF:0.429
Цитира се с:
104. Khlayboonme, S.T., Thowladda, W. "Phase transformation of nanocrystalline diamond films: Effect of methane concentration", Key Engineering Materials 831 KEM, pp. 127-131, 2020, @2020 1.000
105. Solomon, I., Shukla, K., Bhatnagar, M., (...), Gourbilleau, F., Sarma, A. "Effect of nitrogen concentrations on optical, structural and mechanical properties of self organized a-C:N films, Ceramics International, 46(9), pp. 13743-13751, 2020, @2020 1.000

2006

49. Sainov, V., **Stoykova, E.**, Harizanova, J.. Real Time Phase Stepping Pattern Projection Profilometry. SPIE, 2006, 6341. ISI IF:0.2
Цитира се с:
106. Braker, B., Wegner, A., Zimmerman, R., Moore, E., & McDonald, T. (2020). U.S. Patent No. 10, 627, 489. Washington, DC: U.S. Patent and Trademark Office., @2020 1.000
107. Braker, Benjamin, and Eric D. Moore. "Catadioptric projector systems, devices, and methods." U.S. Patent No. 10, 571, 668. 25 Feb. 2020., @2020 1.000
108. Liu, Z. H., Bogan, N., Hoelscher, A., Moore, E., & Braker, B. (2020). U.S. Patent No. 10, 699, 429. Washington, DC: U.S. Patent and Trademark Office., @2020 1.000
50. 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/smll.200500479, 540-547. ISI IF:8.646
Цитира се с:

109. Ibrahim, H.M., Klingner, A. "A review on electrospun polymeric nanofibers: Production parameters and potential applications" Polymer Testing 90, 106647, @2020 [Линк](#)
110. Su, P., Hu, H., Unsuhay, D., (...), Mei, J., Laskin, J. "Preparative Mass Spectrometry Using a Rotating-Wall Mass Analyzer", Angewandte Chemie - International Edition 59(20), pp. 7711-7716, @2020 [Линк](#)

2007

51. Onural, L., Gotchev, A., Ozaktas, H., **Stoykova, E.** A Survey of Signal Processing Problems and Tools in Holographic 3DTV. IEEE Transactions on Circuits and Systems for Video technology, 17, 11, 2007, 1631-1646. ISI IF:2.615

Цитира се в:

111. Ramirez-Andrade, A. H., Porras-Aguilar, R., & Falaggis, K. (2020). Optical encryption based on double random-phase encoding: secure versus insecure variants. Applied Optics, 59(13), D118-D124., @2020 [Линк](#)

52. **Tomova, R, Petrova, P K**, Buroff, A., Stoycheva-Topanova, R. Organic light-emitting diodes (OLEDs) – the base of next generation light-emitting devices. Bulgarian Chemical Communications, 39, 4, Bulgarian Academy of Sciences, 2007, ISSN:ISSN: 0324-1130, 247-259. ISI IF:0.349

Цитира се в:

112. Derr, J. B., Tamayo, J., Clark, J., Morales, M., Mayther, M., Espinoza, E. M., ... Vullev, V. I. (2020). Multifaceted aspects of charge transfer. Physical Chemistry Chemical Physics. doi:10.1039/d0cp01556c, @2020 [Линк](#)

113. Z Chen, S Suramitr, N Zhu, C Ho, S Hannongbua, S Chen, W Wong. Tetrafluorinated phenylpyridine based heteroleptic iridium(III) complexes for efficient sky blue phosphorescent organic lightemitting diodes, J. Mater. Chem. C, 2020, 8, 2551-2557, @2020 [Линк](#)

53. **Nazarova, D.**, Mednikarov, B., **Sharlandjiev, P.** Resonant optical transmission from a one-dimensional relief metalized subwavelength grating. Applied Optics, 46, 34, OSA publishing, 2007, ISSN:2155-3165, DOI:10.1364/AO.46.008250, 8250-8255. ISI IF:1.701

Цитира се в:

114. Sun, G, Wang, Q. Electrically tunable polarization-independent visible transmission guided-mode resonance filter based on polymer-dispersed liquid crystals. Microw Opt Technol Lett. 2020; 1– 6., @2020 [Линк](#)

115. Sun, Guangyu and Wang, Qi , "Electrically tunable polarization-independent visible transmission guided-mode resonance filter based on polymer-dispersed liquid crystals, " Microw Opt Technol Lett , (2020), @2020 [Линк](#)

54. Payer, D, Rauschenbach, S, **Malinowski, N**, Konuma, M, Virojanadara, C, Starke, U, Dietrich-Buchecker, C, Collin, JP, Sauvage, JP, Lin, N, Kern, K. Toward mechanical switching of surface-adsorbed [2]catenane by in situ copper complexation. JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 129, 50, AMER CHEMICAL SOC, 2007, ISSN:0002-7863, DOI:10.1021/ja075886m, 15662-15667. ISI IF:11.726

Цитира се в:

116. Krause, S., Feringa, B.L. "Towards artificial molecular factories from framework-embedded molecular machines" Nature Reviews Chemistry 4(10), pp. 550-562, @2020 [Линк](#)

55. **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 в:

117. Sharma, S., & Kumar, V. (2020). Voxel-based 3D face reconstruction and its application to face recognition using sequential deep learning. Multimedia Tools and Applications, 1-28., @2020 [Линк](#)

118. Wan, F., and C. Song. "Flange-based hand-eye calibration using a 3d camera with high resolution accuracy and frame rate." Frontiers in Robotics and AI: Robot and Machine Vision (2020)., @2020 [Линк](#)

119. Yan, T., Hu, Z., Qian, Y., Qiao, Z., & Zhang, L. . 3D shape reconstruction from multifocus image fusion using a multidirectional modified Laplacian operator. Pattern Recognition, 98, 107065, 2020., @2020 [Линк](#)

2008

56. **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 в:

120. Chen, L., Xu, Z., Wang, F., Duan, G., Xu, W., Zhang, G., Yang, H., Liu, J., Jiang, S., "A flame-retardant and transparent wood/polyimide composite with excellent mechanical strength", Composites Communications, 20, 2020, art. no. 100355, @2020 [Линк](#)

121. Yo Seob Shin, Boknam Chae, Young Mee Jung, Seung Woo Lee, "Thermal imidization behaviors of 6FDA-ODA poly(amic acid) containing curing accelerators by in-situ FTIR spectroscopy", *Vibrational Spectroscopy*, 106, 2019, 103007, , @2020 [Линк](#) 1.000
122. Zhou, W., Liu, H., Xu, Q., Li, P., Zhao, L., Gao, H., "Glycerol's generalized two-dimensional correlation IR/NIR spectroscopy and its principal component analysis", *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 228, 2020, art. no. 117824, @2020 [Линк](#) 1.000
57. **Georgiev, A.**, Karamancheva, I., Topalova, L. Determination of oxidation products in transformer oil using FTIR spectroscopy. *Journal of Molecular Structure*, 872, Elsevier, 2008, DOI:https://doi.org/10.1016/j.molstruc.2007.02.014, 18-23. JCR-IF (Web of Science):2.011 (x)
Цитира се в:
123. Meena, R.R., Chaki, S.H., Deshpande, M.P., "Thermo-acoustic study of transformer oils through ultrasonic technique", *Petroleum Science and Technology*, 38 (5), 2020, pp. 493-500., @2020 [Линк](#) 1.000
124. Ortiz Miranda, A.S., Kronkright, D., Walton, M., "The influence of commercial primed canvases in the manifestation of metal soaps protrusions in Georgia O'Keeffe's oil paintings", *Heritage Science*, 8 (1), 2020, art. no. 107, @2020 [Линк](#) 1.000
58. 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 в:
125. Lutsenko, LV; Oleksenko, LP; Ripko, OP; Fedorenko, GV. "Development of nanosized oxide composites for catalytic CO oxidation". *MOLECULAR CRYSTALS AND LIQUID CRYSTALS*, Volume: 699, Issue: 1, Pages: 63-70, Special Issue: SI, DOI: 10.1080/15421406.2020.1732540, @2020 1.000
59. Singh, G., Bittner, AM, Loscher, S, **Malinowski, N.** Kern, K. Electrospinning of diphenylalanine nanotubes. *ADVANCED MATERIALS*, 20, 12, WILEY-V C H VERLAG GMBH, 2008, ISSN:0935-9648, DOI:10.1002/adma.200702802, 2332-2336. ISI IF:18.172
Цитира се в:
126. Celebioglu, A., Uyar, T. "Electrospinning of cyclodextrins: hydroxypropyl-alpha-cyclodextrin nanofibers", *Journal of Materials Science* 55(1), pp. 404-420, @2020 [Линк](#) 1.000
127. Ding, X., Zhao, H., Li, Y., (...), Yang, Y.Y., Yuan, P. "Synthetic peptide hydrogels as 3D scaffolds for tissue engineering" *Advanced Drug Delivery Reviews* 160, pp. 78-104, @2020 [Линк](#) 1.000
128. Gelain, F., Luo, Z., Zhang, S. "Self-assembling peptide EAK16 and RADA16 nanofiber scaffold hydrogel", *Chemical Reviews Article in Press*, @2020 [Линк](#) 1.000
129. Hamedani, Y., Macha, P., Evangelista, E.L., (...), Rasapalli, S., Vasudev, M.C. "Electrospinning of tyrosine-based oligopeptides: Self-assembly or forced assembly?" *Journal of Biomedical Materials Research - Part A* 108(4), pp. 829-838, @2020 [Линк](#) 1.000
130. Shimizu, T., Ding, W., Kameta, N. "Soft-Matter Nanotubes: A Platform for Diverse Functions and Applications", *Chemical Reviews* 120(4), pp. 2347-2407, @2020 [Линк](#) 1.000
60. Zurek, E, Autschbach, J, **Malinowski, N.** Enders, A, Kern, K. Experimental and theoretical investigations of the thermodynamic stability of Ba-C-60 and K-C-60 compound clusters. *ACS NANO*, 2, 5, AMER CHEMICAL SOC, 2008, ISSN:1936-0851, DOI:10.1021/nn800022d, 1000-1014. ISI IF:14.412
Цитира се в:
131. Celebioglu, A., Uyar, T. "Electrospinning of cyclodextrins: hydroxypropyl-alpha-cyclodextrin nanofibers" *Journal of Materials Science* 55(1), pp. 404-420, @2020 [Линк](#) 1.000
132. Shimizu, T., Ding, W., Kameta, N. "Soft-Matter Nanotubes: A Platform for Diverse Functions and Applications" *Chemical Reviews* 120(4), pp. 2347-2407, @2020 [Линк](#) 1.000

2009

61. Dobrikov, G., Rassoavska, M. M., Andreev, N. M., Boyadzhiev, S. I., Gesheva, K. A., Ivanova, T., **Sharlandjiev, P., Nazarova, D.** Development of transparent heat mirrors based on metal oxide thin film structures. *THIN SOLID FILMS*, 518, 4, Elsevier, 2009, ISSN:0040-6090, DOI:DOI: 10.1016/j.tsf.2009.07.203, 1091-1094. ISI IF:1.76
Цитира се в:
133. Isoe, M., Mageto, J., Maghanga, C. Optical Modeling of Fluorine Doped Tin Oxide Films for Spectrally Selective Applications, *Kabarak Journal of Research & Innovation* Volume 9 Number 1, 2020, @2020 [Линк](#) 1.000
62. Starbova, K, Krumov, E, **Karashanova, D.** Starbov, N. Polyoxyethylene assisted electrospinning of nanofibers from calcium phosphate sol solution. *JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS*, 11, 9, NATL INST OPTOELECTRONICS, 2009, ISSN:1454-4164, 1319-1322. ISI IF:0.429

Цумура се в:

134. Dejob, Léa. Tourny, Bérangère. Tadier, Solène. Laurent, Gremillard. Gaillard, Claire. Salles, Vincent. "Electrospinning of in Situ Synthesized Bioceramics for Applications in Bone Tissue Engineering: A Review". SSRN Electronic Journal. DOI: 10.2139/ssrn.3686387, @2020 [Линк](#) 1.000
135. Ishikawa, Kunio. Garskaite, Edita. Kareiva, Aivaras "Sol-gel synthesis of calcium phosphate-based biomaterials-A review of environmentally benign, simple, and effective synthesis routes". JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, 94 (3), 2020, 551-572. DOI: 10.1007/s10971-020-05245-8, @2020 [Линк](#) 1.000
136. Sebastian, T. Preisker, T. R. Gorjan, L. Graule, T. Aneziris, C. G. Clemens, F. J. "Synthesis of hydroxyapatite fibers using electrospinning: A study of phase evolution based on polymer matrix". JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 40 (6), 2489-2496. DOI: 10.1016/j.jeurceramsoc.2020.01.070, @2020 [Линк](#) 1.000
63. Georgieva, R, Starbov, N, **Karashanova, D**, Starbova, K. Microstructure and Related Properties of Obliquely Deposited AgCl Thin Films. Journal of Optoelectronics and Advanced Materials, 11, 10, 2009, ISSN:PRINT: 1454 - 4164 ON-LINE: 1841 - 7132, 1521-1524. ISI IF:0.429

Цумура се в:

137. Nehal, M.El.F. Bouzidi, A. Nakrela, A. Miloua, R. Medles, M. Desfeux, R. Blach, J-F. Simon, P. Huvé, M. "Synthesis and characterization of antireflective Ag@AgCl nanocomposite thin films". Optik 224, 2020, 165568. <https://doi.org/10.1016/j.ijleo.2020.165568>, @2020 [Линк](#) 1.000
64. Toteva, V, **Georgiev, A**, Topalova, L. Oxidative desulphurization of Light Cycle Oil. Monitoring by FTIR Spectroscopy. Fuel Processing Technology, 90, Elsevier, 2009, DOI:<https://doi.org/10.1016/j.fuproc.2009.03.012>, 965-970. JCR-IF (Web of Science):3.956 (x)

Цумура се в:

138. El-Naggar, N.E.-A., Rabei, N.H., "Bioprocessing optimization for efficient simultaneous removal of methylene blue and nickel by Gracilaria seaweed biomass", Scientific Reports, 10 (1), 2020, art. no. 17439, @2020 [Линк](#) 1.000
139. Hidalgo-Herrador, J.M., Frątczak, J., Velvarská, R., de Paz Carmona, H., "Oxalic acid-mediated catalytic transfer hydrodeoxygenation of waste cooking oil", Molecular Catalysis, 491, 2020, art. no. 110973, @2020 [Линк](#) 1.000
140. Murat, M., Lederer, J., Rodová, A., Herrador, J.M.H., "Hydrodeoxygenation and pyrolysis of free fatty acids obtained from waste rendering fat", Ecletica Quimica, 45 (3), 2020, pp. 28-36., @2020 [Линк](#) 1.000
141. Vesislava Toteva, Kiril Stanulov, "Waste tires pyrolysis oil as a source of energy: Methods for refining", Progress in Rubber, Plastics and Recycling Technology 36 (2), 2019, 143-158, @2020 [Линк](#) 1.000
65. **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

Цумура се в:

142. Braker, B., & Moore, E. D. (2020). U.S. Patent No. 10, 571, 668. Washington, DC: U.S. Patent and Trademark Office., @2020 [Линк](#) 1.000
143. Braker, B., Wegner, A., Zimmerman, R., Moore, E., & McDonald, T. (2020). U.S. Patent No. 10, 627, 489. Washington, DC: U.S. Patent and Trademark Office., @2020 [Линк](#) 1.000
144. Liu, Z. H., Bogan, N., Hoelscher, A., Moore, E., & Braker, B. (2020). U.S. Patent No. 10, 699, 429. Washington, DC: U.S. Patent and Trademark Office., @2020 [Линк](#) 1.000
66. Rauschenbach, S., Vogelgesang, R, **Malinowski, N**, Gerlach, JW, Benyoucef, M, Costantini, G, Deng, ZT, Thontasen, N, Kern, K. Electro spray 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

Цумура се в:

145. Chiarinelli, J., Bolognesi, P., Avaldi, L. "Ion optics simulation of an ion beam setup coupled to an electro spray ionization source, strengths, and limitations" Review of Scientific Instruments 91(7), 073203, @2020 [Линк](#) 1.000
146. Su, P., Hu, H., Unsihuay, D., (...), Mei, J., Laskin, J. "Preparative Mass Spectrometry Using a Rotating-Wall Mass Analyzer", Angewandte Chemie - International Edition 59(20), pp. 7711-7716, @2020 [Линк](#) 1.000
67. Mahmud, M. S., Naydenova, I, Pandey, N, **Babeva, T**, Jallapuram, R, Martin, S, Toal, V. Holographic recording in acrylamide photopolymers: thickness limitations. Applied Optics, 48, 14, 2009, DOI:10.1364/AO.48.002642, 2642-2648. JCR-IF (Web of Science):1.41

Цумура се в:

147. Kang, L., Liu, H., Fu, S., Li, X., Li, N., Wu, J., Wang, X., Zhang, X., Li, J. (2019), Updatable colorful display of vector hologram in azo-poly(9-vinylcarbazole)-TiO₂ nanocomposite films. J Appl Polym Sci, 137 (14), 48537, 2020, @2020 1.000
68. **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

Цумура се в:

148. Judith Chebwogen, Onesmus Munyati, Sylvester Hatwaambo, Mghendi Mwamburi and Christopher Maghanga, Fabrication and Characterization of Cobalt Pigmented Anodized Zinc for Photocatalytic Application, International Journal of Thin Films Science and Technology, 9(2), 127-132, 2020., @2020 1.000
69. Leite, E, Naydenova, I, Pandey, N, **Babeva, T**, Majano, G, Mintova, S, Toal, V. Investigation of the light induced redistribution of zeolite Beta nanoparticles in an acrylamide-based photopolymer. Journal of Optics A: Pure and Applied Optics, 11, 2, 2009, 024016 (x)
Цитира се с:
149. Y. Tomita, A. Kageyama, Y. Iso, K. Umemoto, A. Kume, M. Liu, C. Pruner, T. Jenke, S. Roccia, P. Geltenbort, M. Fally, J. Klepp. "Light and Slow-Neutron Diffraction by Nanodiamond-Dispersed Nanocomposite Holographic Gratings", Phys. Rev. Applied 14, 044056 (2020), @2020 1.000
150. Yasuo Tomita, Akihisa Kageyama, Yuko Iso, Koichi Umemoto, Atsushi Kume, Ming Liu, Christian Pruner, Tobias Jenke, Stephanie Roccia, Peter Geltenbort, Martin Fally, and Jürgen Klepp. "Fabrication of nanodiamond-dispersed composite holographic gratings and their light and slow-neutron diffraction properties", Phys. Rev. Applied 14, 044056, 2020, @2020 1.000
151. Yasuo Tomita, Toshi Aoi, Shuma Hasegawa, Feng Xia, Yueheng Wang, and Juro Oshima, "Very high contrast volume holographic gratings recorded in photopolymerizable nanocomposite materials, " Opt. Express 28, 28366-28382 (2020), @2020 1.000
70. **Petrova, P K, Tomova, R.** Materials used for organic light-emitting diodes – organic electroactive compounds. Bulgarian Chemical Communications, 41, 3, Bulgarian Academy of Sciences, 2009, ISSN:0324-1130, 211-225. ISI IF:0.234
Цитира се с:
152. de Brito, E.B., Valaski, R. & Marques, M.d.V. Development of polymeric active layer for RGB light-emitting devices: a review. J Mater Sci: Mater Electron 31, 21856–21895 (2020). <https://doi.org/10.1007/s10854-020-04809-2>, @2020 [Линк](#) 1.000
153. Derr, J. B., Tamayo, J., Clark, J., Morales, M., Mayther, M., Espinoza, E. M., ... Vullev, V. I. (2020). Multifaceted aspects of charge transfer. Physical Chemistry Chemical Physics. doi:10.1039/d0cp01556c, @2020 [Линк](#) 1.000
71. Ahmad I, **Marinova, V**, Goovaerts E. High-frequency electron paramagnetic resonance of the hole trapped anti-site bismuth centre in the photorefractive bismuth sillenite crystals. Physical Review B, 79, American Physical Society, 2009, DOI:10.1103/PhysRevB.79.033107, 033107. JCR-IF (Web of Science):3.718
Цитира се с:
154. M. Isik, N. Sarigul, N.M. Gasanly "Thermoluminescence characteristics of Bi12SiO20 single crystals" Journal of Luminescence, Volume 224, 117280 (2020), @2020 1.000

2010

72. **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 с:
155. Jesse A. Frantz, Anthony Clabeau, Jason D. Myers, Robel Y. Bekele, Vinh Q. Nguyen, and Jasbinder S. Sanghera, Thermal tuning of arsenic selenide glass thin films and devices, Optics Express, 28(3), pp. 34744-34753, 2020., @2020 1.000
73. **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 с:
156. Huishi Pi, Weiping Li, Zhiwei Shi, Haining Chen, and Xiaoyu Jiang. "Effect of Monomers on the Holographic Properties of Poly(vinyl alcohol)-Based Photopolymers", ACS Applied Polymer Materials, 2 (11), 5208-5218, 2020, @2020 1.000
157. Yunfeng Hu, Benjamin A. Kowalski, Sudheendran Mavila, Maciej Podgórski, Jasmine Sinha, Amy C. Sullivan, Robert R. McLeod, and Christopher N. Bowman. "Holographic Photopolymer Material with High Dynamic Range (Δn) via Thiol–Ene Click Chemistry", ACS Applied Materials & Interfaces, 12 (39), 44103-44109, 2020, @2020 1.000
74. **Georgiev, A, Strijkova, V, Dimov, D**, Spassova, E, **Assa, J, Danev, G.** Synthesis of "Main - Chain" type polyimide matrix with a chemically bound azo group. Diffusion and Defect Data Pt.B: Solid State Phenomena, 159, Trans Tech Publications, 2010, 141-144. JCR-IF (Web of Science):0.3
Цитира се с:
158. Paiva, G.M.S., Duarte, L.G.T.A., Faleiros, M.M., Atvars, T.D.Z., Felisberti, M.I. 'Z-E isomerization of azobenzene based amphiphilic poly(urethane-urea)s: Influence on the dynamic mechanical properties and the effect of the self-assembly in solution on the isomerization kinetics", European Polymer Journal, 127, 2020, art. no. 109583, @2020 [Линк](#) 1.000
75. P Petkova, B Kostova, **Marinova, V.**, Tacheva J. "λ-modulation absorption spectra and photochromic effect in Bi12SiO20: Fe single crystal". IOP Conf. Series: Materials Science and Engineering, 15, IOP, 2010, DOI:10.1088/1757-899X/15/1/012070, 012070-012076. SJR (Scopus):0.192

Цитира се в:

159. T. A. Zhurin, E. S. Sim, V. G. Dyu, M. G. Kisteneva & S. M. Shandarov "Differential Characteristics of the Optical Transmission Spectra of Sillenite Crystals" *Optics and Spectroscopy*, vol. 128, pp.1364–1367 (2020), @2020 1.000
160. Zhurin Timothy A., Sim Elena S "Differential characteristics of optical transmission spectra of bismuth germinate crystal" TUSUR Scientific Session: Collection of selected papers, Издательство: Томский государственный университет систем управления и радиоэлектроники (Томск) Номер: 1-2, Страницы: 339-341 (2020), @2020 1.000
161. Журин Тимофей Алексеевич, Сим Елена Сергеевна "Дифференциальные характеристики спектров оптического пропускания кристалла силиката висмута" *Физика Твёрдого Тела*, Сборник материалов XVII Российской научной студенческой конференции. Под редакцией В.А. Новикова, стр.110-112 (2020), @2020 1.000
76. Bernard J. Maier, Ross J. Angel, William G. Marshall, Boriana Mihailova, Carsten Paulmann, Jens M. Engel, Marin Gospodinov, Anna-Maria Welsch, **Dimitrina Petrova**, Ulrich Bismayer. Octahedral tilting in Pb-based relaxor ferroelectrics at high pressure. *Acta Crystallographica Section B: Structural Science*, B66, 2010, ISSN:16005740, 01087681, DOI:https://doi.org/10.1107/S0108768110014631, 280-291. SJR (Scopus):0.483

Цитира се в:

162. Kaijun Hao, Wenwei Ge, Zhenan Ren, Xiaojuan Liu, Laihui Luo, Xiaobing Li, Haosu Luo, Dwight Viehland. "Combining effects of TiO6 octahedron rotations and random electric fields on structural and properties in Na0.5Bi0.5TiO3". *Journal of the American Ceramic Society* Volume 103, Issue 5., @2020 [Линк](#) 1.000
77. Thontasen, N, Levita, G, **Malinowski, N**, Deng, Z, Rauschenbach, S, Kern, K. Grafting Crown Ether Alkali Host-Guest Complexes at Surfaces by Electrospray Ion Beam Deposition. *JOURNAL OF PHYSICAL CHEMISTRY C*, 114, 41, AMER CHEMICAL SOC., 2010, ISSN:1932-7447, DOI:10.1021/jp106123q, 17768-17772. ISI IF:5.295

Цитира се в:

163. Su, P., Hu, H., Unsihuay, D., (...), Mei, J., Laskin, J. "Preparative Mass Spectrometry Using a Rotating-Wall Mass Analyzer" *Angewandte Chemie - International Edition* 59(20), pp. 7711-7716, @2020 [Линк](#) 1.000
78. **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:

164. J Namanga, H Pei, G Bousrez, B Mallick, V Smetana, N Gerlitzki, A Mudring. Efficient and Long Lived Green Light-Emitting Electrochemical Cells, *Adv. Funct. Mater.* 2020, 1909809, DOI: 10.1002/adfm.201909809, @2020 [Линк](#) 1.000
79. **Todorov R**, Paneva A, Petkov K. Optical characterization of thin chalcogenide films by multiple-angle-of-incidence ellipsometry. *Thin Solid Films*, 518, 12, 2010, 3280-3288. SJR (Scopus):1.132, JCR-IF (Web of Science):1.932

Цитира се в:

165. Anand, T. J. S., Rajan, R. K. M., Said, M. R., & Tee, L. K. Growth of the Electrodeposited NiX2 (X = Te, Se) Thin Films, *Advanced Energy Conversion Materials*, 1(1), 55-69, 2020., @2020 [Линк](#) 1.000
166. T. Joseph Sahaya Anand, Rajes K.M. Rajan, A.R.M. Warikh, S.I. Abd Razak, Lau Kok Tee, Electrodeposited NiX2 (X = S, Se) thin films for solar cell applications, *Aeronautics and Aerospace Open Access Journal*, 4(1), pp.1-11, 2020., @2020 1.000
80. 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:

167. Kaijun Hao, Wenwei Ge, Zhenan Ren, Xiaojuan Liu, Laihui Luo, Xiaobing Li, Haosu Luo, Dwight Viehland "Combining effects of TiO6 octahedron rotations and random electric fields on structural and properties in Na0.5Bi0.5TiO3" *Journal of the American Ceramic Society*, Volume 103, Issue 5, Pages 3349-3360 (2020), @2020 1.000
81. 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:

168. M. V. Katkov, G. Y. Ayvazyan, V. R. Shayapov & M. S. Lebedev "Modeling of the Optical Properties of Black Silicon Passivated by Thin Films of Metal Oxides" *Journal of Contemporary Physics (Armenian Academy of Sciences)* volume 55, pp.16–22 (2020), @2020 1.000
169. Sanjay K. Srivastava, Prashant Singh, Avritti Srivastava, P. Prathap, Sushil Kumar, C. M. S. Rauthan, D. K. Aswal "Nanostructured Black Silicon for Efficient Thin Silicon Solar Cells: Potential and Challenges" pp. 549-623. In: Kumar S., Aswal D. (eds) *Recent Advances in Thin Films. Materials Horizons: From Nature to Nanomaterials*. Springer, Singapore (2020), @2020 1.000
82. Wu, D. -C., **Dimitrov, D. Z.**, Lin, Ching-Hsi, Du, Chen-Hsun, Hsu, Wei-Chih, Lu, Wen-Haw, Lan, Chung-Wen. Inverted pyramid texturization without photolithography for multicrystalline solar cells. *Proceedings 35th IEEE PVSC*, 2010, 003233-003236

Цумура се е:

170. Juntao Wu, Yaoping Liu, Wei Chen, Yan Zhao, Quansheng Chen, Hanbo Tang, Yan Wang, Xiaolong Du "Influence of different-sized inverted-pyramids of silicon texture by Ag manipulation on solar cell performance" Applied Surface Science, Volume 506, 144778 (2020), @2020 1.000
83. **K Lovchinov**, H Nichev, O Angelov, M Sendova-Vassileva, V Mikli, D Dimova-Malinovska. Structural, optical and electrical properties of V doped ZnO thin films deposited by r.f. magnetron sputtering. Journal of Physics:ConferenceSeries, 253, 1, 2010, ISSN:1742-6596, DOI:012030, SJR:0.211

Цумура се е:

171. Kayani, Z.N., Nazli, H., Kousar, S., Riaz, S. and Naseem, S., 2020. Dip-coated V doped ZnO thin films: Dielectric and magnetic properties, Ceramics International, <https://doi.org/10.1016/j.ceramint.2020.02.261>, @2020 1.000
172. Seol, W., Anoop, G., Park, H., Shin, C.W., Lee, J.Y., Kim, T.Y., Kim, W.S., Joh, H.J., Samanta, S. and Jo, J.Y., 2020. Ferroelectricity in solution-processed V-doped ZnO thin films. Journal of Alloys and Compounds, p.157369., @2020 1.000

2011

84. 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

Цумура се е:

173. Zijia Li, Jaehong Park, Hansol Park, Jongmin Lee, Yeongkwon Kang, Tae Kyu Ahn, Bong-Gi Kim, Hui Joon Park "Graded heterojunction of perovskite/dopant-free polymeric hole-transport layer for efficient and stable metal halide perovskite devices" Nano Energy, Volume 78, 105159 (2020), @2020 1.000
85. **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

Цумура се е:

174. M. Kowalczyk, T.F. Ramazanova, V.D. Grigoryeva, V.N. Shlegel, M. Kaczkan, B. Fetiński and M. Malinowski "Optical Investigation of Eu³⁺ doped Bi₁₂GeO₂₀ (BGO) Crystals" Crystals, 10(4), 285 (2020), @2020 1.000
86. **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

Цумура се е:

175. M. Kowalczyk, T.F. Ramazanova, V.D. Grigoryeva, V.N. Shlegel, M. Kaczkan, B. Fetiński and M. Malinowski "Optical Investigation of Eu³⁺ Doped Bi₁₂GeO₂₀ (BGO) Crystals" Crystals, 10(4), 285 (2020), @2020 1.000
87. K. Petkov, G. Vassilev, **R. Todorov**, **J. Tasseva**, V. Vassilev. Optical properties and structure of thin films from the system GeSe₂-Sb₂Se₃-AgI. Journal of Non-Crystalline Solids, 357, 14, ELSEVIER SCIENCE BV, 2011, ISSN:0022-3093, DOI:10.1016/j.jnoncrysol.2011.03.044, 2669-2674. SJR (Scopus):0.844, JCR-IF (Web of Science):1.537

Цумура се е:

176. J.-B. Dory , C. Castro-Chavarria, A. Verdy, J.-B. Jager, M. Bernard, C. Sabbione, M. Tessaire, J.-M. Fédéli, A. Coillet, B. Cluzel & P. Noé, Ge-Sb-S-Se-Te amorphous chalcogenide thin films towards on-chip nonlinear photonic devices, Scientific Reports, 10, 11894 (2020)., @2020 [Линк](#) 1.000
177. Jacob Daniel Hoehler, High peak power cavity dumped two micron vertical external cavity surface emitting lasers, Thesis Submitted to The School of Engineering of the University of Dayton, Dayton, Ohio, USA, May, 2020., @2020 1.000
178. Minjia Wang, Yang Xu, Hao Jin and Dongyun Li, Effect of p-n type nano-heterojunction formed between two narrow bandgap semiconductors in Cu⁺ doped GeSe₂-Sb₂Se₃ glass ceramics on photocatalytic activities, Semiconductor Science and Technology, 35, 035017, 2020., @2020 [Линк](#) 1.000
88. 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

Цумура се е:

179. A.E. Maayoufi, N. Sdiri, M.A. Valente, K. Horchani-Naifer, M. Férid "Physical study of PrCu_{1-x}Zn_xO₃ perovskite for 0.0 ≤ x ≤ 0.3" Journal of Alloys and Compounds, Volume 849, 156239 (2020), @2020 1.000
180. Ashish Kumar Mall, Barnita Paul, Ashish Garg, Rajeev Gupta "Temperature dependent X-ray diffraction and Raman spectroscopy studies of polycrystalline YCrO₃ ceramics across the TC ~ 460 K" Journal of Raman Spectroscopy, Volume51, Issue3, pp. 537-545 (2020), @2020 1.000

181. B. S. Araújo, A. M. Arévalo-López, C. C. Santos, J. P. Attfield, C. W. A. Paschoal and A. P. Ayala "Spin-phonon coupling in monoclinic BiCrO₃" *Journal of Applied Physics* 127, 114102 (2020), @2020 1.000
182. J. Saha, Y.M. Jana, G.D. Mukherjee, R. Mondal, S. Kumar, H.C. Gupta "Structure, Mössbauer spectroscopy and vibration phonon spectra in valence-bond force-field model approach for distorted perovskites AFeO₃ (A = La, Y)" *Materials Chemistry and Physics*, Volume 240, 122286 (2020), @2020 1.000
183. Kavita Yadav, Gurpreet Kaur, Mohit K. Sharma, K. Mukherjee "Magnetocaloric effect and spin-phonon correlations in RFe_{0.5}Cr_{0.5}O₃ (R = Er and Yb) compounds" *Physics Letters A*, Volume 384, Issue 26, 126638 (2020), @2020 1.000
184. Mayanak K. Gupta, Ranjan Mittal, Sanjay K. Mishra, Prabhatasree Goel, Baltej Singh, Stephane Rols, Samrath L. Chaplot "Spin-Phonon Coupling and Thermodynamic Behaviour in YCrO₃ and LaCrO₃: Inelastic Neutron Scattering and Lattice Dynamics" *Journal of Physics: Condensed Matter*, Volume 32, Number 50, 505402 (2020), @2020 1.000
185. Sudipta Mahana, Shishir Kumar Pandey, Bipul Rakshit, Pronoy Nandi, Raktima Basu, Sandip Dhara, S. Turchini, N. Zema, U. Manju, Subhendra D. Mahanti, and D. Topwal "Site substitution in GdMnO₃: Effects on structural, electronic, and magnetic properties" *Physical Review B*, Vol. 102, Iss. 24, 245120 (2020), @2020 1.000
186. Yinghao Zhu, Ying Fu, Bao Tu, Tao Li, Jun Miao, Qian Zhao, Si Wu, Junchao Xia, Pengfei Zhou, Ashfia Huq, Wolfgang Schmidt, Defang Ouyang, Zikang Tang, Zhubing He, and Hai-Feng Li "Crystalline and magnetic structures, magnetization, heat capacity, and anisotropic magnetostriction effect in yttrium-chromium oxide" *Phys. Rev. Materials* 4, 094409 (2020), @2020 1.000

89. 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

Lumupa ce e:

187. G. D. Nipan, M. N. Smirnova, D. Yu Kornilov, M. A. Kopeva, G. E. Nikiforova & S. P. Gubin "Transformation of Solid Solution with Spinel-Type Structure Within the Range LiMn_{2-x}(Ni_{0.33}Co_{0.33}Fe_{0.33})xO₄ (0 ≤ x ≤ 2)" *J. Phase Equilib. Diffus.* (2020), @2020 1.000
188. Hua Li, Xin Wang, Pengxia Zhou, HuaWu, Chonggui Zhong, Zhengchao Dong, Junming Liu "Strain-tuned optical property in magnetoelectric LiFe₅O₈ thin film" *Journal of Alloys and Compounds*, Volume 821, 153199 (2020), @2020 1.000
189. Prajna P. Mohapatra, Pamu Dobbidi "Magnetic and broadband dielectric studies of calcium-substituted LiFe₅O₈" *Journal of Magnetism and Magnetic Materials*, Volume 500, 166354 (2020), @2020 1.000
190. S. Soreto Teixeira, M.P.F. Graça, L.C. Costa, M.A. Valente "Lithium Ferrites Prepared Differently and its Magnetic Properties" Ch.8 in *Magnetic Oxides and Composites II* Edited by Rajshree B. Jotania, Sami H. Mahmood, *Materials Research Foundations* 83, pp. 157-179 (2020), @2020 1.000
191. Takeshi Uyama, Kazuhiko Mukai and Ikuya Yamada "Facile and Low-Temperature Synthesis of γ-Fe₂O₃ Nanoparticles with Thermally Stable Ferrimagnetism for Use in Magnetic Recording Tapes" *ACS Appl. Nano Mater.*, 3, 11, 10678–10690 (2020), @2020 1.000
192. Yogesh Sharma, Radhe Agarwal, Liam Collins, Qiang Zheng, Anton V. Ilevlev, Raphael P. Hermann, Valentino R. Cooper, Santosh KC, Iliia N. Ivanov, Ram S. Katiyar, Sergei V. Kalinin, Ho Nyung Lee, Seungbum Hong, Thomas Z. Ward "Self-Assembled Room Temperature Multiferroic BiFeO₃-LiFe₅O₈ Nanocomposites" *Advanced Functional Materials*, Volume30, Issue3, 1906849 (2020), @2020 1.000

90. 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

Lumupa ce e:

193. Hua Li, Xin Wang, Pengxia Zhou, Hua Wu, Chonggui Zhong, Zhengchao Dong, Junming Liu "Strain-tuned optical property in magnetoelectric LiFe₅O₈ thin film" *Journal of Alloys and Compounds*, Volume 821, 153199 (2020), @2020 1.000
194. Jiao Yang, Jianfei Lei, Kai Du, Xudong Zheng, Xiujuan Jin "The microwave magnetism of epitaxy LiFe₅O₈ thin film modulated by thickness" *Current Applied Physics*, Volume 20, Issue 4, pp. 589-592 (2020), @2020 1.000
195. Kun Liu, Ruyi Zhang, Lu Lu, Shaobo Mi, Ming Liu, Hong Wang, Shengqiang Wu, Chunlin Jia "Atomic-scale investigation of spinel LiFe₅O₈ thin films on SrTiO₃ (001) substrates" *Journal of Materials Science & Technology*, Volume 40, Pages 31-38 (2020), @2020 1.000

91. 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

Lumupa ce e:

196. Anyang Cui, Xihua Cao, Yan Ye, Kai Jiang, Liangqing Zhu, Minhong Jiang, Guanghui Rao, Yawei Li, Zhigao Hu, and Junhao Chu "Phase transitions and phonon thermodynamics in giant piezoelectric Mn-doped K_{0.5}Na_{0.5}NbO₃-LiBiO₃ crystals studied by Raman spectroscopy" *Physical Review B*, Vol. 102, Iss. 21, 214102 (2020), @2020 1.000
197. Myung-Eun Song, Deepam Maurya, Yifei Wang, Jue Wang, Min-Gyu Kang, David Walker, Pam A. Thomas, Scott T. Huxtable, Robert J. Bodnar, N. Q. Vinh, and Shashank Priya "Phase Transitions and Phonon Mode Dynamics of Ba(Cu_{1/3}Nb_{2/3})O₃ and Sr(Cu_{1/3}Nb_{2/3})O₃ for Understanding Thermoelectric Response" *ACS Appl. Energy Mater.*, 3, 4, 3939–3945 (2020), @2020 1.000

92. 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

Lumupa ce e:

198. Khan, Z.R., Alshammari, A.S., Shkir, M., Ganesh, V., S. AlFaify & Munirah. Enhancement in the photoluminescence, linear and third order nonlinear optical properties of nanostructured Na-CdS thin films for optoelectronic applications. *Journal of Nanoparticle Research*, 22, 77, 2020., @2020 [Линк](#) 1.000
199. P. Knotek, P. Kutálek, E. Černošková, M. Vlček and L. Tichý, The density, nanohardness and some optical properties of As–S and As–Se chalcogenide bulk glasses and thin films, *RSC Advances*, 10, 42744-42753, 2020., @2020 1.000
93. Ahmad, I, **Marinova, V**, Vrielinck, H, Goovaerts, E. A photosensitive Cr³⁺ center in photorefractive Bi₁₂SiO₂₀ crystals co-doped with chromium and phosphorus. *Journal of Applied Physics*, 109, 8, 2011, 083506. ISI IF:2.101
[Цумура ce e:](#)
200. Marcos V. dos S.Rezende, Carlos W.A.Paschoal, Mário E.G.Valerio, Robert A.Jackson "Computer modelling of Bi₁₂SiO₂₀ and Bi₄Si₃O₁₂: Intrinsic defects and rare earth ion incorporation" *Journal of Solid State Chemistry*, Volume 292, 121608 (2020), @2020 1.000
94. 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
[Цумура ce e:](#)
201. Kaiyuan Chen, Fu Wei, Liu Jia, Yan Tianxiang, Zhencheng Lan, Liang Fang, BiaoLin Peng, Dawei Wang, Laijun Liu "Re-entrant dipole glass-like behavior and lattice dynamics of 0.65Bi(Mg^{1/2}Ti^{1/2})O₃-0.35PbTiO₃" *Journal of the American Ceramic Society*, Vol.103, Iss.4, pp.2859-2867 (2020), @2020 1.000
202. Lan Xu, Zujian Wang, Bin Su, Chenxi Wang, Xiaoming Yang, Rongbing Su, Xifa Long and Chao He "Origin of Structural Change Driven by A-Site Lanthanide Doping in ABO₃-Type Perovskite Ferroelectrics" *Crystals*, 10(6), 434 (2020), @2020 1.000
95. **K. Lovchinov**, O. Angelov, H.Nichev, V. Mikli, D.Dimova-Malinovska. Transparent and conductive ZnO thin films doped with V. *Energy Procedia*, 10, 2011, ISSN:1876-6102, 282-286. SJR:0.417
[Цумура ce e:](#)
203. Smaali, A., Abdelli-Messaci, S., Lafane, S., Mavlonov, A., Lenzner, J., Richter, S., Kechouane, M., Nemraoui, O. and Ellmer, K., 2020. Pulsed Laser Deposited Transparent and Conductive V-doped ZnO Thin Films. *Thin Solid Films*, p.137892., @2020 1.000
96. **Dyankov, G**, Zekriti, M, Bousmina, M. Plasmon Modes Management. *PLASMONICS*, 6, 4, SPRINGER, 2011, ISSN:1557-1955, DOI:10.1007/s11468-011-9246-z, 643-650. JCR-IF (Web of Science):2.106 (x)
[Цумура ce e:](#)
204. Singh Tamang, J.aEmail Author, Sankar Dhar, R.b "Significance of Different Buffer Layers in an SPR Multichannel Sensor" *Proceedings of 2nd International Conference on VLSI Device, Circuit and System, VLSI DCS 2020* July 2020, @2020 1.000
205. Tamang, J.S., Borbora, H., Sutar, A., Dhar, R.S., Chatterjee, S., "Influence of Design Parameters on Multilayered Nanoplasmonic Structures in Modified Kretschmann-Raether Configurations", *Plasmonics* Volume 15, Issue 4, 1 August 2020, Pages 1133-1140, @2020 1.000
97. B. J. Maier,, A. M. Welsch,, B. Mihailova,, R. J. Angel,, J. Zhao,, C. Paulmann,, J. M. Engel,, W. G. Marshall,, M. Gospodinov, **D. Petrova**, U. Bismayer. Effect of La doping on the ferroic order in Pb-based perovskite-type relaxor ferroelectric. *Phys. Rev. B*, 83, 2011, DOI:https://doi.org/10.1103/PhysRevB.83.134106, 134106. JCR-IF (Web of Science):3.836
[Цумура ce e:](#)
206. Zijia Li, JaehongPark, Hansol Parka, Jongmin Lee, Yeongkwon Kang, Tae KyuAhn, Bong-GiKim, Hui Joon Park. "Graded heterojunction of perovskite/dopant-free polymeric hole-transport layer for efficient and stable metal halide perovskite devices". *Nano Energy* Volume 78, December 2020, 105159., @2020 [Линк](#) 1.000

2012

98. 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
[Цумура ce e:](#)
207. Malavolti, L., McMurtrie, G., Rolf-Pissarczyk, S., (...), Burgess, J.A.J., Loth, S. Minimally invasive spin sensing with scanning tunneling microscopy " *Nanoscale* 12(21), pp. 11619-11626, @2020 [Линк](#) 1.000
208. Slota, M., Bogani, L. "Combining Molecular Spintronics with Electron Paramagnetic Resonance: The Path Towards Single-Molecule Pulsed Spin Spectroscopy" *Applied Magnetic Resonance* 51(11), pp. 1357-1409, @2020 [Линк](#) 1.000

209. Somer, A.M., MacAluso, V., Barnes, G.L., (...), Hase, W.L., Spezia, R. "Role of chemical dynamics simulations in mass spectrometry studies of collision-induced dissociation and collisions of biological ions with organic surfaces" *Journal of the American Society for Mass Spectrometry* 31(1), pp. 2-24, @2020 [Линк](#) 1.000
210. Su, P., Hu, H., Unsihuay, D., (...), Mei, J., Laskin, J. "Preparative Mass Spectrometry Using a Rotating-Wall Mass Analyzer" *Angewandte Chemie - International Edition* 59(20), pp. 7711-7716, @2020 [Линк](#) 1.000
211. Xu, Z., Liu, J., Hou, S., Wang, Y. "Manipulation of molecular spin state on surfaces studied by scanning tunneling microscopy", *Nanomaterials* 10(12), 2393, pp. 1-18, @2020 [Линк](#) 1.000
212. Yang, C., Wang, Z.-C., Su, G. "Magnetization Reversal of Single-Molecular Magnets by a Spin-Polarized Current" *Chinese Physics Letters* 37(8), 087201, @2020 [Линк](#) 1.000
213. Zhu, X., Hale, A., Christou, G., Hebard, A.F. "Electronegative ligands enhance charge transfer to Mn₁₂ single-molecule magnets deposited on graphene" *Journal of Applied Physics* 127(6), 064303, @2020 [Линк](#) 1.000
99. **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:10.1364/OL.37.002676, 2676-2678. ISI IF:3.292
- Цитира се в:
214. S. Elhani, H. Ishitobi, Y. Inouye, A. Ono, S. Hayashi, Z. Sekkat. "Surface Enhanced Visible Absorption of Dye Molecules in the Near-Field of Gold Nanoparticles". *Scientific Reports*, vol. 10, art. no. 3913 (2020). <https://doi.org/10.1038/s41598-020-60839-0>, @2020 [Линк](#) 1.000
100. **Georgiev, A., Dimov, D.**, Spassova, E., **Assa, J.**, Peter Dineff, P., Danev, G. Chemical and Physical Properties of Polyimides: Biomedical and Engineering Applications. *High Performance Polymers - Polyimides Based - From Chemistry to Applications*, IN-TECH Education and Publishing KG, 2012, ISBN:978-953-51-0899-3, 17
- Цитира се в:
215. adiah Khairul Zaman, Rosiah Rohani, Abdul Wahab Mohammad, "Fabrication of highly selective amine-cross-linked membrane for concentrated bio-succinate recovery from both synthetic model solutions and fermentation broth", *Journal of Water Process Engineering*, Volume 37, 2020, 101420, , @2020 [Линк](#) 1.000
216. Adriana-Petronela Chiriac, Mariana-Dana Damaceanu, "A novel approach towards crown-ether modified polyimides with affinity for alkali metal ions recognition, *Journal of Molecular Liquids*, Volume 322, 2021, art no 114929, , @2020 [Линк](#) 1.000
217. L. Guinane et al., "Electric field DC conductivity dependency of polyimide films, " in *IEEE Transactions on Dielectrics and Electrical Insulation*, vol. 27, no. 5, 2020, pp. 1440-1445, @2020 [Линк](#) 1.000
218. Matthew Donora, Andrés Vásquez Quintero, Herbert De Smet, Ian Underwood, "Spatiotemporal electrochemical sensing in a smart contact lens", *Sensors and Actuators B: Chemical*, Volume 303, 2020, 127203., @2020 [Линк](#) 1.000
219. Ogbonna, V.E., Popoola, A.P.I., Popoola, O.M. et al. A review on polyimide reinforced nanocomposites for mechanical, thermal, and electrical insulation application: challenges and recommendations for future improvement. *Polym. Bull.* (2020),., @2020 [Линк](#) 1.000
220. Uyor, U.O., Popoola, A.P.I., Popoola, O.M. et al. Polymeric cladding materials under high temperature from optical fibre perspective: a review. *Polym. Bull.* 77, 2155–2177 (2020),., @2020 [Линк](#) 1.000
101. Toteva, V., **Georgiev, A.**, Topalova, L. Investigation of the oxidative desulphurization of LCO model mixture by GC-MS and FTIR spectroscopy. *Fuel Processing Technology*, 101, Elsevier, 2012, DOI:<https://doi.org/10.1016/j.fuproc.2012.04.007>, 101-105. JCR-IF (Web of Science):3.956 (x)
- Цитира се в:
221. Tasheva, Y.T., Dimitrov, E.T., Kuntchev, L.P., Effect of treated gasoil under effective performance of engine, *Oxidation Communications*, 43 (3), 2020, pp. 536-544., @2020 1.000
222. Vesislava Toteva, Kiril Stanulov, "Waste tires pyrolysis oil as a source of energy: Methods for refining", *Progress in Rubber, Plastics and Recycling Technology* 36 (2), 2020, pp. 143-158., @2020 [Линк](#) 1.000
102. 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:
223. Gusain, A.; Kumar, N; Kumar, J; Pandey, G; Hota, PK. "Antiradical Properties of trans-2-(4-substituted-styryl)-thiophene". *JOURNAL OF FLUORESCENCE*, DOI: 10.1007/s10895-020-02629-5., @2020 1.000
224. Kumar, J; Kumar, N; Sati, N; Hota, PK . "Antioxidant properties of ethenyl indole: DPPH assay and TDDFT studies". *NEW JOURNAL OF CHEMISTRY*, Volume: 44, Issue: 21, Pages: 8960-8970, DOI: 10.1039/d0nj01317j, @2020 1.000
103. Rauschenbach, S, Rinke, G, **Malinowski, N**, Weitz, RT, Dinnebier, R, Thontasen, N, Deng, ZT. Crystalline Inverted Membranes Grown on Surfaces by Electrospray 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 в:

225. Somer, A.M., MacAluso, V., Barnes, G.L., (...), Hase, W.L., Spezia, R. "Role of chemical dynamics simulations in mass spectrometry studies of collision-induced dissociation and collisions of biological ions with organic surfaces" *Journal of the American Society for Mass Spectrometry* 31(1), pp. 2-24, @2020 [Линк](#) 1.000
226. Su, P., Hu, H., Unsihuay, D., (...), Mei, J., Laskin, J. "Preparative Mass Spectrometry Using a Rotating-Wall Mass Analyzer" *Angewandte Chemie - International Edition* 59(20), pp. 7711-7716, @2020 [Линк](#) 1.000
104. 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 в:

227. Nastas, A.M., Iovu, M.S. & Tolstik, A.L. Effect of Corona Discharge on the Optical Properties of Thin-Film Cu-As₂Se₃ Structures. *Optics and Spectroscopy*, 128, 231-235 (2020)., @2020 [Линк](#) 1.000
105. 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 в:

228. Bolivar, J.M., Nidetzky, B. "On the relationship between structure and catalytic effectiveness in solid surface-immobilized enzymes: Advances in methodology and the quest for a single-molecule perspective" *Biochimica et Biophysica Acta - Proteins and Proteomics* 1868(2), 140333, @2020 [Линк](#) 1.000
229. Castrovilli, M.C., Bolognesi, P., Chiarinelli, J., (...), Arduini, F., Scognamiglio, V. "Electrospray deposition as a smart technique for laccase immobilisation on carbon black-nanomodified screen-printed electrodes" *Biosensors and Bioelectronics* 163, 112299, @2020 [Линк](#) 1.000
230. Dubrovin, E.V., Klinov, D.V., Schäffer, T.E. "Evidence of (anti)metamorphic properties of modified graphitic surfaces obtained in real time at a single-molecule level" *Colloids and Surfaces B: Biointerfaces* 193, 111077, @2020 [Линк](#) 1.000
106. **Babeva, T, Todorov, R**, Gospodinov, B, **Malinowski, N**, Fallah, J. El, Mintova, S. Nanosized MEL zeolite and GeSe₂ chalcogenide layers as functional building blocks of tunable Bragg stacks. *Journal of Materials Chemistry*, 22, 35, Royal Society of Chemistry, 2012, ISSN:0959-9428, 18136-18138. SJR (Scopus):2.773, JCR-IF (Web of Science):6.108

Цитира се в:

231. Yasser B. Saddeek, K.A. Aly, T. Alharbi, A. Dahshan, Shams.A.M. Issa, Mahmoud Ahmad, M.M. Soraya, Mechanical and Electrical Parameters of a-Ge-Se-Sn glasses, *Physica B: Physics of Condensed Matter*, 583, 412059, 2020., @2020 [Линк](#) 1.000
107. **Rossen Todorov, Jordanka Tasseva, Tsvetanka Babeva**. Thin Chalcogenide Films for Photonic Applications. *Photonic Crystals - Innovative Systems, Lasers and Waveguides*, Chapter 9, InTech, 2012, ISBN:978-953-51-0416-2, DOI:10.5772/32143, 143-168

Цитира се в:

232. Andrey S. Tverjanovich, Maxim Khomenko, Sergei Bereznev, Daniele Fontanari, Anton Sokolov, Takeshi Usuki, Koji Ohara, David Le Coq, Pascal Masselin and Eugene Bychkov, Glassy GaS: transparent and unusually rigid thin films for visible to mid-IR memory applications, *Physical Chemistry Chemical Physics*, 22, 25560-25573, 2020., @2020 [Линк](#) 1.000
233. Chawki Awada, Goodfriend M. Whyte, Peter O. Offor, Favour G. Whyte, Mohammed Benali Kanoun, Souraya Goumri-Said, Adil Alshoaibi, Azubice B.C. Ekwealor, Malik Maaza and Fabian I. Ezema, Synthesis and Studies of Electro-Deposited Yttrium Arsenic Selenide Nanofilms for Opto-Electronic Applications, *Nanomaterials*, 10, 1557, 2020. doi:10.3390/nano10081557, @2020 [Линк](#) 1.000
234. G.M. Whyte, Chawki Awada, P.O. Offor, F.U. Otung, Adil Alshoaibi, Abdullah Aljaafari, A.B.C. Ekwealor, M. Maaza, Fabian I. Ezema, Optical and photoluminescence performance of electrodeposited arsenic selenide thin film doped with erbium ion, *Optical Materials*, 99, 109556, 2020., @2020 [Линк](#) 1.000
235. Ramakanta Naik , Abhilash Parija, Sibaprasad Mohapatra, Enhancement of χ (3) by Sb substitution in As₄₀Se₅₀Ge₁₀ amorphous semiconducting thin films, *AIP Conference Proceedings* 2265, 030467 (2020)., @2020 [Линк](#) 1.000
236. Tomáš Halenkovič, Jan Gutwirth, Tintu Kuriakose, Marek Bouška, Mathieu Chauvet, Gilles Renversez, Petr Němec, and Virginie Nazabal, "Linear and nonlinear optical properties of co-sputtered Ge-Sb-Se amorphous thin films," *Optics Letters* 45, 1523-1526, 2020., @2020
108. Vlaeva, I., Yovcheva, T., Viraneva, A, **Kitova, S.**, Exner, G., Guzhova, A., Galikhanov, M.. Contact angle analysis of corona treated polypropylene films. *Journal of Physics: Conference Series*, 398, 1, Institute of Physics (Great Britain), IOP Publishing, 2012, ISSN:1742-6588, DOI:10.1088/1742-6596/398/1/012054, 012054. SJR:0.359

Цитира се в:

237. Kim, J.W., Yoo, S.H., Kong, Y.B., Cho, S.O., Lee, E.J. "Hydrophilicity improvement of polymer surfaces induced by simultaneous nuclear transmutation and oxidation effects using high-energy and low-fluence helium ion beam irradiation". *Polymers*, 12(12), 2770, pp. 1-11, 2020, @2020 [Линк](#) 1.000

109. **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:](#)

238. Chunyuan Song, Xinyu Jiang, Yanjun Yang, Jingjing Zhang, Steven Larson, Yiping Zhao, and Lianhui Wang, "High-Sensitive Assay of Nucleic Acid Using Tetrahedral DNA Probes and DNA Concatamers with SERS/SPR Dual-Mode Biosensor Based on Silver Nanorod-Covered Silver Nanohole Array" ACS Applied Materials & Interfaces; Volume 12, Issue 28, 15 July 2020, Pages 31242-31254, @2020 **1.000**

2013

110. **Petrova, P., Ivanov, P.,** Marcheva, Y., **Tomova, R.** Estimation of energy levels of new Iridium cyclometalated complexes via cyclic voltammetry. Bulgarian Chemical Communications, 45, Special Issue B, The Bulgarian Academy of Sciences and The Union of Chemists in Bulgaria, 2013, ISSN:0324-1130, 159-164. SJR:0.168, ISI IF:0.349

[Цитира се в:](#)

239. F Chindeka, P Mashazi, J Britton, D Oluwole, S Mapukata, T Nyokon. Fabrication of dye-sensitized solar cells based on push-pull asymmetricalsubstituted zinc and copper phthalocyanines and reduced graphene oxidenanosheets, Journal of Photochemistry & Photobiology A: Chemistry 399 (2020) 1126122, @2020 [Линк](#) **1.000**

240. Ghattavi S, Nezamzadeh-Ejhieh A, GC-MASS detection of methyl orange degradation intermediates by AgBr/g-C3N4: Experimental design, bandgap study, and characterization of the catalyst, International Journal of Hydrogen Energy, 2020, doi.org/10.1016/j.ijhydene.2020.06.207, @2020 [Линк](#) **1.000**

111. 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:](#)

241. Huhui Fu, Rui Feng, Feilong Jiang, Yongsheng Liu and Maochun Hong "Exploring the surface-to-volume ratio in ultrasmall nanocrystals using the optical probe of Eu3+ ion" Chem. Commun., 56, 14725-14728 (2020), @2020 **1.000**

242. Liza Basyrova, Pavel Loiko, Roman Maksimov, Vladislav Shitov, Josep Maria Serres, Uwe Griebner, Valentin Petrov, Magdalena Aguiló, Francesc Diaz, Xavier Mateos "Comparative study of Yb:Lu3Al5O12 and Yb:Lu2O3 laser ceramics produced from laser-ablated nanopowders" Ceramics International, Available online 4 November (2020), @2020 **1.000**

243. Yongtao Zou, Mu Li, Wei Zhang, Cangtao Zhou, Tony Yu, Hongbin Zhuo, Yanbin Wang, Yusheng Zhao, Shuangchen Ruan, and Baosheng Li "Unraveling microstrain-promoted structural evolution and thermally driven phase transition in c-Sc2O3 nanocrystals at high pressure" Phys. Rev. B 102 (21), 214115 (2020), @2020 **1.000**

112. **J. Tasseva, V. Lozanova, R. Todorov.** Linear and non-linear optical properties of GeS2 doped with elements from III and V group of the periodic table. Bulgarian Chemical Communications, 45, B, Bulgarian Academy of Sciences, Union of Chemists in Bulgaria, 2013, ISSN:0324-1130, 33-37. SJR:0.168, ISI IF:0.349

[Цитира се в:](#)

244. J.-B. Dory , C. Castro-Chavarria, A. Verdy, J.-B. Jager, M. Bernard, C. Sabbione, M. Tessaire, J.-M. Fédéli, A. Coillet, B. Cluzel & P. Noé, Ge–Sb–S–Se–Te amorphous chalcogenide thin films towards on-chip nonlinear photonic devices, Scientific Reports, 10, 11894, 2020., @2020 [Линк](#) **1.000**

113. **Stoykova, E.,** Yaras, F., Yontem, A., Kang, H., Onural, L., Hamel, P., Delacrétaz, Y., Bergoënd, I., Arfire, C., Depeursinge, C.. Optical reconstruction of transparent objects with phase-only SLMs. Opt. Express, 21, 2013, ISSN:1094-4087, 28246-28257. ISI IF:3.546

[Цитира се в:](#)

245. Huang, L., Yan, L., & Chen, B. Phase restoration of digital holographic microscopy with an adaptive reliability mask for phase unwrapping in microstructure testing. Optics and Lasers in Engineering, 138, 106416., @2020 [Линк](#) **1.000**

114. **V Marinova,** R C Liu, S H Lin, M S Chen, Y Hsin Lin, K Y Hsu. Near-infrared properties of Rh-doped Bi12TiO20 crystals for photonic applications. Optics Letters, 38, 4, 2013, DOI:10.1364/OL.38.000495, 495-497. ISI IF:3.416

[Цитира се в:](#)

246. A. Muthukrishnaraj, A. Arun, S.S. Kalaivani, T. Maiyalagan, A. Manikandan, N. Balasubramanian "Solvothermal synthesis and characterizations of graphene-ZnBi12O20 nanocomposites for visible-light driven photocatalytic applications" Ceramics International, Volume 46, Issue 11, Part B, pp. 18534-18543 (2020), @2020 **1.000**

247. André L. Moura, Alexandro F. Pereira, Askery Canabarro, Jesiel F. Carvalho, Ivande Oliveira, Pedro V.dos Santos "Near-infrared holographic photorefractive recording under applied electric field in undoped Bi12TiO20 sillenite crystal" Optical Materials, Vol. 108, 110398 (2020), @2020 **1.000**

115. **Ivanov, P. I., Petrova, P. K., Tomova, R. L.** Bis(2-phenylbenzothiazolato) (acetylacetonate) iridium complex as phosphorescent dopant for White Organic Light Emitting Diodes. Bulgarian Chemical Communications, 45, Special Issue B, The Bulgarian Academy of Sciences and The Union of Chemists in Bulgaria, 2013, ISSN:0324-1130, 165-169. SJR:0.168, ISI IF:0.349

Цитира се в:

248. Одод, Алексей Владимирович, Особенности фото- и электролюминесценции органических полупроводниковых структур созданных различными методами, дисертация Направлению подготовки 03.06.01-Физика и астрономия, Национальный Исследовательский Томский Государственный университет (НИ ТГУ) Радиофизический факультет, Кафедра квантовой электроники и фотоники - 2020 - vital.lib.tsu.ru, @2020 [Линк](#) 1.000

116. 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 в:

249. Ren, FD; Shi, WJ; Cao, DL; Li, YX; Zhang, DH; Wang, XF; Shi, ZY. "External electric field reduces the explosive sensitivity: a theoretical investigation into the hydrogen transference kinetics of the NH₂NO₂ center dot center dot center dot H₂O complex". JOURNAL OF MOLECULAR MODELING, Volume: 26, Issue: 12, Article Number: 351, DOI: 10.1007/s00894-020-04607-x, Published: DEC 2020, @2020 1.000

117. Kang, H., **Stoykova, E.**, Park, J., Hong, S.H., Kim, Y.. Holographic printing of white-light viewable holograms and stereograms. Holography - Basic Principles and Contemporary Applications, 2013, ISBN:978-953-51-1117-7, 171-201

Цитира се в:

250. Jeon, H., Kim, B., Jun, M., Kim, H., & Hahn, J. (2020, February). High-resolution binary hologram printing methods. In Practical Holography XXXIV: Displays, Materials, and Applications (Vol. 11306, p. 113060L). International Society for Optics and Photonics., @2020 [Линк](#) 1.000
251. Khuderchuluun, A., Erdenebat, M. U., Wu, H. Y., Kwon, K. C., Jeon, S. H., & Kim, N. (2020, February). Simplified content generation for holographic printer using computer-generated integral imaging. In Practical Holography XXXIV: Displays, Materials, and Applications (Vol. 11306, p. 113060M). International Society for Optics and Photonics., @2020 [Линк](#) 1.000

118. **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

Цитира се в:

252. Auwal Abdulkadir, Azlan Abdul Aziz, Mohd Zamir Pakhuruddin "Impact of micro-texturization on hybrid micro/nano-textured surface for enhanced broadband light absorption in crystalline silicon for application in photovoltaics" Materials Science in Semiconductor Processing, Vol. 105, 104728 (2020), @2020 1.000
253. Chan Wook Jang, Dong Hee Shin, Jung Sun Ko, Suk-Ho Choi "Performance enhancement of graphene/porous Si solar cells by employing layer-controlled MoS₂" Applied Surface Science, Vol. 532, 147460 (2020), @2020 1.000
254. Elisa Sani, Diletta Sciti, Laura Silvestroni, Alessandro Bellucci, Stefano Orlando, Daniele M. Trucchi "Tailoring optical properties of surfaces in wide spectral ranges by multi-scale femtosecond-laser texturing: A case-study for TaB₂ ceramics" Optical Materials, Volume 109, 110347 (2020), @2020 1.000
255. Linyao Chen, Sunhao Zhang, Yuyang Ye, Chuang Liu, Tianqi Zhao, Yan Shi, Ying Tian, Rui Xu and Yi Chen "Research on the Metasurface for Single-Photon Avalanche Photodiode" Front. Phys., 16, 585871 (2020), @2020 1.000
256. Qiang Zou, Zhiming Lei, Tao Xue, Shihao Li, Zhuomin Ma, Qi Su "Highly sensitive flexible pressure sensor based on ionic dielectric layer with hierarchical ridge microstructure" Sensors and Actuators A: Physical, Volume 313, 1122181 (2020), @2020 1.000
257. Sihua Zhong and Wenzhong Shen "Quasi-omnidirectional crystalline silicon solar cells J. Phys. D: Appl. Phys. 53, 483001 (2020), @2020 1.000
258. Tayamma D. P. V. Jalluri, S. Somashekar, Arjun Dey, R. Venkateswaran, S. Elumalai, B. Rudraswamy & K. V. Sriram "Characterization of thermal sprayed Si on sintered SiC for space optical applications" Surface Engineering (2020), @2020 1.000
259. W. A. Ghaly & H. T. Mohsen "Laser-induced silicon nanocolumns by ablation technique" -induced Journal of Radiation Research and Applied Sciences, 13:1, 398-405, (2020), @2020 1.000
260. Wenjun Yang, Xiaojun Liu, Chi Hu, Wenlong Lu, Cheng Chen, Zhenjian Yao Zili Lei "Rapid characterization of nano-scale structures in large-scale ultra-precision surfaces" Optics and Lasers in Engineering, Volume 134, 106200 (2020), @2020 1.000

119. **Nazarova, D, Nedelchev, L, Sharlandjiev, P,** Dragostinova V. Anisotropic hybrid organic/inorganic (azopolymer/SiO₂ NP) materials with enhanced photoinduced birefringence. Applied Optics, 52, 22, OSA publishing, 2013, ISSN:2155-3165, DOI:10.1364/AO.52.000E28, E28-E33. ISI IF:1.78

Цитира се в:

261. Valeriia Ovdenko, Dmitry Vyshnevsky, Nikolay Davidenko, Irina Davidenko, Valeriy Pavlov. "Effect of molecular weight of PEG polymer matrix on the diffraction efficiency of Methyl Orange holographic media". Optical Materials (in press), 2020. DOI: https://doi.org/10.1016/j.optmat.2020.110549, @2020 [Линк](#) 1.000

120. 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:

262. Abhishek Singh, Shiv Kumar, Mahima Singh, Prajyoti Singh, Rahul Singh, Vinod K Gangwar, Archana Lakhani, Swapnil Patil, Eike F Schwier, Takeshi Matsumura "Anomalous Hall effect in Cu doped Bi₂Te₃ topological insulator" J. Phys.: Condens. Matter., 32, 305602 (2020), @2020 1.000
263. L N Lukyanova, I V Makarenko and O A Usov "STM and STS studies of topological n-type (Bi, In)₂(Te, Se, S)₃ thermoelectrics" J. Phys.: Condens. Matter 32 465701 (2020), @2020 1.000
264. L. N. Lukyanova, I. V. Makarenko, O. A. Usov "Topological layered n-type thermoelectrics based on bismuth telluride solid solutions" arXiv:2005.09935 [cond-mat.mtrl-sci] (2020), @2020 1.000
265. Oscar E Casas, Shirley Gómez Páez and William J Herrera "A Green's function approach to topological insulator junctions with magnetic and superconducting regions" J. Phys.: Condens. Matter, 32, 485302 (2020), @2020 1.000
121. Park, J., Kang, H., **Stoykova, E.**, Kim, Y., Hong, S., Choi, Y., Kim, Y., Kwon, S., Lee, S.. Numerical reconstruction of a full parallax holographic stereogram with radial distortion. Opt. Express, 22, 2014, 20776-20788. ISI IF:3.49

Цитира се:

266. Li, Y., Wang, J., Chen, C., Li, B., Yang, R., & Chen, N. (2020). Occlusion culling for computer-generated cylindrical holograms based on a horizontal optical-path-limit function. Optics Express, 28(12), 18516-18528., @2020 [Линк](#) 1.000
122. **Lalova, A, Todorov, R.** Asymmetric one dimensional photonic crystal for optical sensing in the visible spectral range. 514, Journal of Physics: Conference Series, 2014, ISSN:1742-6588, DOI:http://dx.doi.org/10.1088/1742-6596/514/1/012014, 012014. SJR (Scopus):0.217

Цитира се:

267. Anirudh Banerjee, Design of enhanced sensitivity gas sensors by using 1D defect ternary photonic band gap structures, Indian Journal of Physics, 94(4), pp.535-539, 2020., @2020 1.000
268. Shihab, N.K., Acharyya, J.N., Rasi, U.P.M., Gangineni, R.B., Lakshmi, P.A., Prakash, G.V., Rao, D.N., Nonlinear optical absorption switching behavior of BaTiO₃ in asymmetric microcavity, Optical Materials, 101, Article number 109777, 2020., @2020 1.000
123. **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:

269. Agnieszka Zawadzka, Kornelia Indykiewicz, Regina Paszkiewicz, Qualitative Assessment of the UV Exposition Process Near the Diffraction Limits, Advances in Electrical And Electronic Engineering, 18(2), pp.115-122, 2020., @2020 1.000
270. Harry-Dean Kenchington Goldsmith, Michael Ireland, Frantz Martinache, Nick Cvetojevic, Stephen Madden, Active phase change for a kernel nulling interferometry, SPIE Proceedings Volume 11446, Optical and Infrared Interferometry and Imaging VII; 114462V 2020. https://doi.org/10.1117/12.2562894, @2020 [Линк](#) 1.000
271. Kenji Morita, Kazuhiro Morioka, Hizuru Nakajima, Katsumi Uchiyama, Akio Yanagida, Atsushi Shoji, Film-Thickness-Controllable System for Preparing Silver Nanofilms through Absorbance Monitoring of the Thickness during the Silver-Mirror Reaction, Analytical Sciences, Published: 2020, [Advance publication] Released: December 18, 2020Article ID: 20P400., @2020 [Линк](#) 1.000
272. Parinaz Sadri-Moshkenani, Mohammad Wahiduzzaman Khan, Md. Shafiqul Islam, Eric Montoya, Ilya Krivorotov, Nader Bagherzadeh, and Ozdal Boyraz, Effect of magnesium oxide adhesion layer on resonance behavior of plasmonic nanostructures, Applied Physics Letters, 116, 241601, 2020., @2020 1.000
273. Zeng Wang, Guanghui Yuan, Ming Yang, Jianwei Chai, Qing Yang Steve Wu, Tao Wang, Matej Sebek, Dan Wang, Lei Wang, Shijie Wang, Dongzhi Chi, Giorgio Adamo, Cesare Soci, Handong Sun, Kun Huang, and Jinghua Teng, Exciton-Enabled Meta-Optics in Two-Dimensional Transition Metal Dichalcogenides, Nano Letters, 20, 11, 7964–7972, 2020., @2020 1.000
124. **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:

274. Kim, N. U., Park, B. J. and Kim, J. H. (2020) "Cross-Linked PGMA-co-PMMA/DAAB Membranes for Propylene/Nitrogen Separation," Membrane Journal. The Membrane Society of Korea, 30(4), pp. 252–259., @2020 [Линк](#) 1.000

125. **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

Цитируемые:

275. Cacace, T., Bianco, V., & Ferraro, P. (2020). Quantitative phase imaging trends in biomedical applications. *Optics and Lasers in Engineering*, 106188, @2020 [Линк](#) 1.000
276. Cheremkhin, P. A., Evtikhiev, N. N., Krasnov, V. V., & Rodin, V. G. (2020, February). Fast increase of quality of optically reconstructed images in digital holography. In *Practical Holography XXXIV: Displays, Materials, and Applications* (Vol. 11306, p. 113060W). International Society for Optics and Photonics., @2020 1.000
277. Cheremkhin, P. A., Evtikhiev, N. N., Krasnov, V. V., Rodin, V. G., & Starikov, R. S. (2020). Shot Noise and Fixed-Pattern Noise Effects on Digital Hologram Reconstruction. *Optics and Lasers in Engineering*, 106461., @2020 [Линк](#) 1.000
278. Cheremkhin, Pavel, et al. "Machine learning methods for digital holography and diffractive optics." *Procedia Computer Science* 169 (2020): 440-444., @2020 [Линк](#) 1.000
279. de Almeida, J. L., Comunello, E., Sobieranski, A., da Rocha Fernandes, A. M., & Cardoso, G. S. Twin-image suppression in digital inline holography based on wave-front filtering. *Pattern Analysis and Applications*, 1-8, @2020 [Линк](#) 1.000
280. DeMars, L. A., Mikula-Zdańkowska, M., Falaggis, K., & Porras-Aguilar, R. (2020). Single-shot phase calibration of a spatial light modulator using geometric phase interferometry. *Applied optics*, 59(13), D125-D130., @2020 [Линк](#) 1.000
281. Gupta, S., & Vanapalli, S. A. (2020). Microfluidic shear rheology and wall-slip of viscoelastic fluids using holography-based flow kinematics. *Physics of Fluids*, 32(1), 012006., @2020 [Линк](#) 1.000
282. Wang, W., Wang, H., Wang, X., Lei, J., Wang, J., & Dong, Z. (2020, October). Complex amplitude reconstruction based on the spatial carrier phase-shifting method in off-digital holography. In *Optics Frontier Online 2020: Optics Imaging and Display* (Vol. 11571, p. 115710A). International Society for Optics and Photonics., @2020 1.000
283. ЧЕРЕМХИН, П. А.; КОЗЛОВ, А. В. Улучшение качества восстановленных с цифровых голограмм изображений с использованием интерполяции и фильтрации. In: *HOLOEXPO 2020*. 2020. p. 291-295., @2020 [Линк](#) 1.000
126. 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

Цитируемые:

284. Castro-Ruiz, Andrés. Rodríguez-Tobias, Heriberto. Abraham, Gustavo A. Rivero, Guadalupe. Morales, Graciela. "Core-sheath nanofibrous membranes based on poly(acrylonitrile-butadiene-styrene), polyacrylonitrile, and zinc oxide nanoparticles for photoreduction of Cr(VI) ions in aqueous solutions". *Applied Polymer Science*. 2020, 137, 48429., @2020 [Линк](#) 1.000
285. Jia, Wei. Kharraz, Jehad A. Choi, Paula JungwonJia. Guo, Jiabin. Deka, Bhaskar Jyoti. An, Alicia Kyounjin. "Superhydrophobic membrane by hierarchically structured PDMS-POSS electro spray coating with cauliflower-shaped beads for enhanced MD performance". *JOURNAL OF MEMBRANE SCIENCE* 597, Article Number: 117638, DOI: 10.1016/j.memsci.2019.117638., @2020 [Линк](#) 1.000
286. Kudzin, Marcin H. Mrozinska, Zdzisława. "Biofunctionalization of Textile Materials. 3. Fabrication of Poly(lactide)-Potassium Iodide Composites with Antifungal Properties". *COATINGS* 10 (6), Article Number: 593, DOI: 10.3390/coatings10060593, @2020 1.000
287. Kudzin, Marcin H. Mrozinska, Zdzisława. Kaczmarek, Anna. Lisiak-Kucinska, Agnieszka. "Deposition of Copper on Poly(Lactide) Non-Woven Fabrics by Magnetron Sputtering-Fabrication of New Multi-Functional, Antimicrobial Composite Materials". *MATERIALS* 13 (18), Article Number: 3971, DOI: 10.3390/ma13183971, @2020 [Линк](#) 1.000
288. Padilla-Gainza, Victoria. Rodríguez-Tobias, Heriberto. Morales, Graciela. Ledezma-Perez, Antonio. Alvarado-Canche, Carmen. Rodríguez, Cristobal. Gilkerson, Robert. Lozano, Karen. "Processing-structure-property relationships of biopolyester/zinc oxide fibrous scaffolds engineered by centrifugal spinning". *POLYMERS FOR ADVANCED TECHNOLOGIES* 31 (11) 2601-2614, DOI: 10.1002/pat.4987., @2020 [Линк](#) 1.000
289. Zhanhui, Gan. Deyu, Kong. Qianqian, Yu. Yifan, Jia. Xue-Hui, Dong. Linge, Wang. "Fabrication superhydrophobic composite membranes with hierarchical geometries and low-surface-energy modifications". *Polymer* 211, 123097., @2020 [Линк](#) 1.000
127. 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

Цитируемые:

290. Chao Chen, Kanghua Li, Fu Li, Bozhao Wu, Pengfei Jiang, Haodi Wu, Shuaicheng Lu, Guoli Tu, Ze Liu, Jiang Tang, One-Dimensional Sb₂Se₃ Enabling a Highly Flexible Photodiode for Light-Source-Free Heart Rate Detection, *ACS Photonics* 7(2), pp. 352-360, 2020., @2020 [Линк](#) 1.000
291. Nicolae N. Syrbu, Victor V. Zalamai, Ivan G. Stamov and Stepan I. Beril, Excitonic and electronic transitions in Me-Sb₂Se₃ structures, *Beilstein Journal of Nanotechnology*, 11, 1045–1053, 2020., @2020 1.000

128. Nikolov, AS, Nedyalkov, NN, Nikov, RG, Dimitrov, IG, Atanasov, PA, Maximova, K, Delaporte, P, Kabashin, A, Alexandrov, MT, **Karashanova, DB**. Processing conditions in pulsed laser ablation of gold in liquid for fabrication of nanowire networks. APPLIED SURFACE SCIENCE, 302, 2014, ISSN:0169-4332, DOI:10.1016/j.apsusc.2014.02.010, 243-249. ISI IF:2.711
[Цитира се в:](#)
292. Cai, Yunyu. Zhang, Yajun. Ji, Sihan. Ye, Yixing. Shouliang, Wu, Liu, Jun. Chen, Shaopeng. Liang, Changhao. "Laser ablation in liquids for the assembly of Se@Au chain-oligomers with long-term stability for photothermal inhibition of tumor cells". Journal of Colloid and Interface Science, 566, 2020, 284-295. <https://doi.org/10.1016/j.jcis.2020.01.098>, @2020 [Линк](#) **1.000**
129. **Petrova, P. K., Ivanov, P. I., Tomova, R. L.**. Color tunability in multilayer OLED based on DCM doped in a PVK matrix. Journal of Physics: Conference Series, 558, 1, IOP Publishing Ltd, 2014, ISSN:1742-6596, DOI:10.1088/1742-6596/558/1/012028, 012028. SJR (Scopus):0.217
[Цитира се в:](#)
293. Lee, S.; Jen, M.; Pang, Y. Twisted Intramolecular Charge Transfer State of a "Push-Pull" Emitter. Int. J. Mol. Sci. 2020, 21, 7999, <https://doi.org/10.3390/ijms21217999>, @2020 [Линк](#) **1.000**
130. **Nazarova, D., Nedelchev, L., Mintova, S.**. Birefringence improvement in azopolymer doped with MFI zeolite nanoparticles. Optofluidics, Microfluidics and Nanofluidics, 1, DE GRUYTER, 2014, ISSN:2300-7435, DOI:10.2478/optof-2014-0005, 43-48
[Цитира се в:](#)
294. Loşmanskii, C., Achimova, E., Abaskin, V., Meshalkin, A., Prisacar, A., Loghina, L., Vıcek, M., Yakovleva, A. QDs Doped Azopolymer for Direct Holographic Recording. 4th International Conference on Nanotechnologies and Biomedical Engineering, IFMBE Proceedings, vol. 77, pp. 275–278. Tiginyanu et al. (Eds.). Springer Nature Switzerland AG. doi:10.1007/978-3-030-31866-6_54, 2020., @2020 [Линк](#) **1.000**
131. 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 в:](#)
295. Chukanov N.V., Vıgasina M.F. Raman Spectra of Minerals. pp 741-1255. In: Vibrational (Infrared and Raman) Spectra of Minerals and Related Compounds. Springer Mineralogy. Springer, Cham (2020), @2020 **1.000**
132. 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 в:](#)
296. Santheraleka Ramanathan, Subash C.B. Gopinath, M.K. Md Arshad, Prabakaran Poopalan, "Nanostructured aluminosilicate from fly ash: Potential approach in waste utilization for industrial and medical applications", Journal of Cleaner Production, 253, 119923, 2020, @2020 **1.000**
133. **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:](#)
297. Lova, Paola; Megahd, Heba; Stagnaro, Paola; Alloisio, Marina; Patrini, Maddalena and Comoretto, Davide. "Strategies for Dielectric Contrast Enhancement in 1D Planar Polymeric Photonic Crystals". Applied Sciences, 10(12), 4122. MDPI, 2020, @2020 [Линк](#) **1.000**
134. **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:](#)
298. Cai, W., Yang, Y., Zhu, Y., Li, D., Xu, C., "Preparation of high laser-induced damage threshold sol-gel Nb2O5 films with different additives", Optik, 206, art. no. 164306, 2020, @2020 [Линк](#) **1.000**
299. Das, C. M., Ouyang, Q., Kang, L., Guo, Y., Dinh, X.-Q., Coquet, P., Yong, K.-T., "Augmenting sensitivity of surface plasmon resonance (SPR) sensors with the aid of anti-reflective coatings (ARCs)", Photonics and Nanostructures - Fundamentals and Applications, 38, 2020, 100760, @2020 [Линк](#) **1.000**
300. Ücker, C.L.; Riemke, F.C.; Neto, N.F.A.; Santiago, A.A.G.; Siebeneichler, T.J.; Carreño, N.L.V.; Moreira, M.L.; Raubach, C.W.; Cava, S. "Influence of Nb2O5 crystal structure on photocatalytic efficiency". Chemical Physics Letters, 138271, 2020., @2020 [Линк](#) **1.000**
301. Xu, S.; Jia, H.; Wang, C.; Zhao, W.; Wang, Y.; Yang, C.; Wu, H.; Zhu, J.; Wang, B.; Wang, Q. "Low-Temperature Preparation of SiO2/Nb2O5/TiO2–SiO2 Broadband Antireflective Coating for the Visible via Acid-Catalyzed Sol–Gel Method ". Coatings, 10, 737, 2020., @2020 [Линк](#) **1.000**
135. **Babeva, T, Awala, H, Vasileva, M,** Fallah, J, El, **Lazarova, K,** Thomas, S, Mintova, S. Zeolite films as building blocks for antireflective coatings and vapor responsive Bragg stacks. Dalton Transactions, 43, 2014, 8868-8876. JCR-IF (Web of Science):4.197

Цумура се в:

302. Tao, Jiawei; Li, Bingyu; Lu, Zhongyuan; Liu, Jiaqi; Su, Lina; Tang, Zhiyong; Li, Mei; Xu, Yan. "Endowing Zeolite LTA Superballs with the Ability to Manipulate Light in Multiple Ways". *Angewandte Chemie*, 2020., @2020 [Линк](#) 1.000
303. Zhang, C., Xu, Y. "Transparent and hydrophobic hexylene-bridged polymethylsiloxane/sio2 composite coating with tunable refractive index and its application for broadband antireflection." *Thin Solid Films*, 701, 137944, 2020, @2020 [Линк](#) 1.000
136. Costache, M. V., Neumann, I., Sierra, J. F., **Marinova, V.**, Gospodinov, M. M.. Fingerprints of Inelastic Transport at the Surface of the Topological Insulator Bi₂Se₃: Role of Electron-Phonon Coupling. *Physical Review Letters*, 112, 8, 2014, 086601. ISI IF:8.462

Цумура се в:

304. Chihun In, Hyunyong Choi "Dirac Fermion and Plasmon Dynamics in Graphene and 3D Topological Insulators" *Advanced Materials*, Volume 8, Issue3 Special Issue: Materials for Terahertz Optical Science and Technology, 1801334 (2020), @2020 1.000
305. Fabien Violla and Natalia Del Fatti "Time-Domain Investigations of Coherent Phonons in van der Waals Thin Films" *Nanomaterials*, 10(12), 2543 (2020), @2020 1.000
306. K Dorn, A De Martino, R Egger "Phase diagram and phonon-induced backscattering in topological insulator nanowires" *Phys. Rev. B* 101, 045402 (2020), @2020 [Линк](#) 1.000
137. **Stoykova, E., Ivanov, B., Nikova, T.** Correlation-based pointwise processing of dynamic speckle patterns. *Optics Letters*, 39, 1, OSA, 2014, ISSN:0146-9592, DOI:10.1364/OL.39.000115, 115-118. ISI IF:3.04

Цумура се в:

307. An efficient automated biospeckle indexing strategy using morphological and geo-statistical descriptors A Chatterjee, P Singh, V Bhatia, S Prakash, 2020 - Elsevier, *Optics and Lasers in Engineering* Volume 134, November 2020, 106217 <https://doi.org/10.1016/j.optlaseng.2020.106217>, @2020 1.000
308. Application of laser biospeckle analysis for assessment of seed priming treatments Puneet Singh, , Amit Chatterjee, , Vimal Bhatia, , ShashiPrakash, *Computers and Electronics in Agriculture* Volume 169, February 2020, 105212 <https://doi.org/10.1016/j.compag.2020.105212>, @2020 1.000
138. **Georgieva, B.**, Podolesheva, I, **Spasov, G, Pirov, J.** Nanosized Thin SnO₂ Layers Doped with Te and TeO₂ as Room Temperature Humidity Sensors. *Sensors*, 14, 6, MDPI, 2014, ISSN:1424-8220, DOI:10.3390/s140508950, 8950-8960. ISI IF:2.245

Цумура се в:

309. Dakhel, Aqeel Aziz, Jaafar, Adnan. "Semiconductor CdTe-Doped CdO Thin Films: Impact of Hydrogenation on the Optoelectronic Properties". *KOREAN JOURNAL OF MATERIALS RESEARCH*, Volume: 30, Issue: 1, Pages: 1-7, @2020 [Линк](#) 1.000
139. B Georgieva, M Petrov, **K Lovchinov**, M Ganchev, V Georgieva, D Dimova-Malinovska. Application of electrochemically deposited nanostructured ZnO layers on quartz crystal microbalance for NO₂ detection. *Journal of Physics: Conference Series*, 559, 2014, ISSN:1874-6489, DOI:012014, SJR (Scopus):0.211

Цумура се в:

310. Alev, O., Sarica, N., Özdemir, O., Arslan, L.Ç., Büyükköse, S. and Öztürk, Z.Z., 2020. Cu-doped ZnO nanorods based QCM sensor for hazardous gases. *Journal of Alloys and Compounds*, p.154177., @2020 1.000
140. **Nikova, T., Stoykova, E.** Design of a photoelectric measurement of principal stresses by a phase-shifting method. *Phys. Scr.*, 162, 014043, IOP, 2014, ISSN:1402-4896, DOI:10.1088/0031-8949/162/1/014043, ISI IF:1.194

Цумура се в:

311. Juan Camilo Hernández Gómez, Juan C. Briñez-de León, Salomon Perez-Atencia, Alejandro Restrepo-Martínez, "Digital photoelasticity and DIC applied to stress and strain hybrid evaluation of bioinspired structures from rice root cross-section," *Proc. SPIE 11510, Applications of Digital Image Processing XLIII*, 115101V (21 August 2020); <https://doi.org/10.1117/12.2568725>, @2020 1.000
141. **Nikova, T., Stoykova, E., Ivanov, B.** Pointwise implementation of dynamic speckle technique. *Phys. Scr.*, 162, 014044, IOP, 2014, ISSN:1402-4896, DOI:10.1088/0031-8949/162/1/014044, ISI IF:1.194

Цумура се в:

312. An efficient automated biospeckle indexing strategy using morphological and geo-statistical descriptors A Chatterjee, P Singh, V Bhatia, S Prakash, 2020 - Elsevier, *Optics and Lasers in Engineering*, Volume 134, November 2020, 106217 <https://doi.org/10.1016/j.optlaseng.2020.106217>, @2020 [Линк](#) 1.000
142. 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

Цумура се в:

143. Mendil, D., Challali, F., Touam, T., Bockelée, V., Ouhenia, S., Souici, A., Djouadi, D. and Chelouche, A., 2020. Preparation of RF sputtered AZO/Cu/AZO multilayer films and the investigation of Cu thickness and substrate effects on their microstructural and optoelectronic properties. *Journal of Alloys and Compounds*, p.158470., @2020 1.000
143. 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

Цумура се в:

314. Daria Mikhailova, Sebastian Maletti, Alexander Missyul, and Bernd Büchner "Comparison of Layered Li(Li_{0.2}Rh_{0.8})O₂ and LiRhO₂ upon Li Removal: Stabilizing Effect of Li Substitution" *Inorg. Chem.*, 59, 13, 9108–9115 (2020), @2020 1.000
315. Kohei Fujiwara, Miho Kitamura, Daisuke Shiga, Yasuhiro Niwa, Koji Horiba, Tsutomu Nojima, Hiromichi Ohta, Hiroshi Kumigashira, and Atsushi Tsukazaki "Insulator-to-Metal Transition of Cr₂O₃ Thin Films via Isovalent Ru³⁺ Substitution" *Chem. Mater.*, 32, 12, 5272–5279 (2020), @2020 1.000
316. Martin Uhlemann, Mahmoud Madian, Rita Leones, Steffen Oswald, Sebastian Maletti, Alexander Eychmüller, and Daria Mikhailova "In-Depth Study of Li₄Ti₅O₁₂ Performing beyond Conventional Operating Conditions" *ACS Appl. Mater. Interfaces*, 12, 33, 37227–37238 (2020), @2020 1.000
317. Mikhail V. Gorbunov, Salvatore Carrocci, Sebastian Maletti, Martin Valldor, Thomas Doert, Silke Hampel, Ignacio Guillermo Gonzalez Martinez, Daria Mikhailova, and Nico Gräßler "Synthesis of (Li₂Fe_{1-y}Mny)SO Antiperovskites with Comprehensive Investigations of (Li₂Fe_{0.5}Mn_{0.5})SO as Cathode in Li-ion Batteries" *Inorg. Chem.*, 59, 21, 15626–15635 (2020), @2020 1.000

2015

144. 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

Цумура се в:

318. Gilles, A., & Gioia, P. (2020, August). Compression and reconstruction of extremely-high resolution holograms based on hologram-lightfield transforms. In *Applications of Digital Image Processing XLIII* (Vol. 11510, p. 1151006). International Society for Optics and Photonics., @2020 [Линк](#) 1.000
319. Ichihashi, Y., Kakue, T., Wakunami, K., Jackin, B. J., Oi, R., Shimobaba, T., & Ito, T. (2020, April). Study on holographic special-purpose computer for wavefront printing technology. In *Optics, Photonics and Digital Technologies for Imaging Applications VI* (Vol. 11353, p. 113530Q). International Society for Optics and Photonics., @2020 [Линк](#) 1.000
320. Jang, C., Mercier, O., Bang, K., Li, G., Zhao, Y., & Lanman, D. (2020). Design and fabrication of freeform holographic optical elements. *ACM Transactions on Graphics (TOG)*, 39(6), 1-15., @2020 [Линк](#) 1.000
321. Jeong, J., Yoo, C., Cho, J., Lee, J., & Lee, B. (2020, February). High-resolution holographic display system by holographic printer with UHD spatial light modulator. In *Ultra-High-Definition Imaging Systems III* (Vol. 11305, p. 113050N). International Society for Optics and Photonics., @2020 [Линк](#) 1.000
322. Sakamaki, S., Yoneda, N., & Nomura, T. (2020). Single-shot in-line Fresnel incoherent holography using a dual-focus checkerboard lens. *Applied Optics*, 59(22), 6612-6618., @2020 [Линк](#) 1.000
323. Xu, J., Zhang, X., Liu, Y., Zhang, Y., Nie, H. Y., Zhang, G., & Gao, W. (2020). Selective coaxial ink 3D printing for single-pass fabrication of smart elastomeric foam with embedded stretchable sensor. *Additive Manufacturing*, 36, 101487, @2020 [Линк](#) 1.000
324. Yang, X., Xu, F., Zhang, H., Wang, H., Li, Y., & Zhang, J. (2020). High-resolution Fresnel hologram information simplification and color 3D display. *Optik*, 216, 164919., @2020 [Линк](#) 1.000

145. **Georgiev, A**, Yordanov, D, **Dimov, D**, **Assa, J**, Spassova, E, Danev, D. Spectroscopic investigation of different concentrations of the vapour deposited copper phthalocyanine as a "guest" in polyimide matrix. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 140, Elsevier, 2015, DOI:http://dx.doi.org/10.1016/j.saa.2015.01.010, 444-450. JCR-IF (Web of Science):2.88

Цумура се в:

325. Yo Seob Shin, Boknam Chae, Young Mee Jung, Seung Woo Lee, "Thermal imidization behaviors of 6FDA-ODA poly(amic acid) containing curing accelerators by in-situ FTIR spectroscopy", *Vibrational Spectroscopy*, 106, 2019, 103007, , @2020 [Линк](#) 1.000

146. **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

Цумура се в:

326. A. Knápek, M. Drozd, M. Matějka, J. Chlumská, S. Král and V. Kolařík, Automated System for Optical Inspection of Defects in Resist Coated Non-Patterned Wafer, *Jordan Journal of Physics*, 13(2), pp. 93-100, 2020., @2020 1.000
327. Navid Chapman, The influence of pol uence of polymethyl methacrylate interfaces on the fluorescence of rhodamine 6g thin films, PhD Thesis, University of Rhode Island, Rhode Island, USA, 2020., @2020 [Линк](#) 1.000

147. 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)

Цумура се е:

328. Kirkova, D., Statkova-Abeghe, S., Docheva, M., Stremski, Y., Minkova, S. "Structure-activity relationship of in vitro radical-scavenging activity of 2-(hydroxyphenyl) benzothiazole derivatives". Bulgarian Chemical Communications, Volume 52, Special Issue D, pp. 196-200, @2020 [Линк](#) 1.000
329. Li, F; Cai, MG; Lin, MW; Huang, XH; Wang, J; Ke, HW; Wang, CH; Zheng, XH; Chen, D; Yang, SH. "Enhanced Biomass and Astaxanthin Production of Haematococcus pluvialis by a Cell Transformation Strategy with Optimized Initial Biomass Density". MARINE DRUGS, Volume: 18, Issue: 7, Article Number: 341, DOI: 10.3390/md18070341, @2020 1.000
330. Rapalli, VK; Kaul, V; Waghule, T; Gorantla, S; Sharma, S; Roy, A; Dubey, SK; Singhvi, G. "Curcumin loaded nanostructured lipid carriers for enhanced skin retained topical delivery: optimization, scale-up, in-vitro characterization and assessment of ex-vivo skin deposition". EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, Volume: 152, Article Number: 105438, DOI: 10.1016/j.ejps.2020.105438, @2020 1.000
331. Siyamak Shahab, Masoome Sheikhi. "Antioxidant Properties of the Phorbol: A DFT Approach", Russian Journal of Physical Chemistry B, 14, 15–18, @2020 [Линк](#) 1.000
148. Sproge, E, Chornaja, S, Dubencovs, K, Kampars, V, Kulikova, L, Serga, V, **Karashanova, D**. Production of glycolic acid from glycerol using novel fine-disperse platinum catalysts. IOP Conference Series-Materials Science and Engineering, 77, 1, IOP, 2015, ISSN:1757-8981, DOI:10.1088/1757-899X/77/1/012026, 1-4. SJR:0.146

Цумура се е:

332. Lv, Dongdong. Lei, Yechen. Zhang, Dongsheng. Song, Xin. Li, Yong-Wang. Niemantsverdriet, J. W. H. Hao, Weichang. Deng, Yonghong. Su, Ren. "Effect of Pd and Au on Hydrogen Abstraction and C–C Cleavage in Photoconversion of Glycerol: Beyond Charge Separation". Journal of Physical Chemistry C 124 (37), 2020, 20320–20327. <https://doi.org/10.1021/acs.jpcc.0c07148>, @2020 [Линк](#) 1.000
333. Santos, Jackson H.S. Gomes, Jadiete T.S. Benachour, Mohand. Medeiros, Eliane B.M. Abreu, Cesar A.M. Lima-Filho, Nelson M. "Selective hydrogenation of oxalic acid to glycolic acid and ethylene glycol with a ruthenium catalyst". *Reac Kinet Mech Cat* 131, 2020, 139–151. <https://doi.org/10.1007/s11144-020-01843-3>, @2020 [Линк](#) 1.000
149. Valcheva, A, Ovcharov, E, **Lalova, A**, Nedialkov, P, Ivanov, V, Carraro, G. Properties of the Young Milky Way globular cluster Whiting 1 from near-infrared photometry. 1, 446, Monthly Notices of the Royal Astronomical Society, 2015, ISSN:0035-8711, DOI:10.1093/mnras/stu2125, 730-736. SJR:2.76

Цумура се е:

334. Baumgardt, H., A. Sollima, and M. Hilker. "Absolute V-band magnitudes and mass-to-light ratios of Galactic globular clusters." arXiv preprint arXiv:2009.09611, 2020., @2020 1.000
335. Garro, E.R., Minniti, D., Gómez, M., Alonso-García, J., Barbá, R.H., Barbuy, B., Clariá, J.J., Chené, A.N., Dias, B., Hempel, M. and Ivanov, V.D., "VVVX-Gaia discovery of a low luminosity globular cluster in the Milky Way disk". *Astronomy & Astrophysics*, 642, p.L19., 2020, @2020 1.000
336. Madau Piero, Lupi Alessandro, Diemand Jürg, Burkert Andreas, Lin Douglas N. C. "Globular Cluster Formation from Colliding Substructure". *The Astrophysical Journal*, Volume 890, Number 1, 2020, @2020 1.000
150. Tyutyundziev N, **Lovchinov K**, Martínez-Moreno F, Leloux J, Narvarte L. ADVANCED PV MODULES INSPECTION USING MULTIROTOR UAV. 31st European Photovoltaic Solar Energy Conference and Exhibition, 2015, 2069-2073

Цумура се е:

337. Konrad, T., Abel, D. and Horn, M., 2020. Zustandsschätzung und Prädiktive Trajektorienfolgeregung für Multikopter in Inspektionsanwendungen (No. RWTH-2020-10107). Lehrstuhl und Institut für Regelungstechnik., @2020 1.000
338. Shin, B.C. and Seo, J.K., 2020. Experimental Optimal Choice Of Initial Candidate Inliers Of The Feature Pairs With Well-Ordering Property For The Sample Consensus Method In The Stitching Of Drone-based Aerial Images. *KSII Transactions on Internet & Information Systems*, 14(4)., @2020 1.000
151. 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

Цумура се е:

339. Malpani, Deepika. Srivastava, Rajiv K. Nandan, Bhanu. "Rheology and Electrospinnability of Supramolecular Comb Polymer Networks Formed via Coordination Interactions". *ACS Appl. Polym. Mater.* 2020, 2, 11, 5094–5109. <https://doi.org/10.1021/acsapm.0c00891>, @2020 [Линк](#) 1.000

152. **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 в:

340. Carlos A. Díaz-Moreno, Namrata Khanal, A. Hurtado Macías, Juan Noveron, Jorge A. López. "Structural and second harmonic generation properties of nanogel of niobium oxide nanoparticles". *Materials Chemistry and Physics*, Volume 255, 15 November 2020, 123579, @2020 [Линк](#) 1.000
341. Dinithi Rathnayake, Inosh Perera, Alireza Shirazi Amin, et al. "Mesoporous Crystalline Niobium Oxide with High Surface Area: A Solid Acid Catalyst for Alkyne Hydration". *ACS Appl. Mater. Interfaces* 2020, /doi/10.1021/acsami.0c10757, @2020 [Линк](#) 1.000
342. Evan T. Salim, Jehan A. Saimon, Marwa K. Abood, Makram A. Fakhri. "Effect of silicon substrate type on Nb₂O₅/Si device performance: an answer depends on physical analysis" *Optical and Quantum Electronics*, Issue 10/2020, @2020 1.000
343. Kumar, A., Malik, G., Adalati, R., (...), Pandey, M.K., Chandra, R. "Tuning the wettability of highly transparent Nb₂O₅ nano-sliced coatings to enhance anti-corrosion property", *Materials Science in Semiconductor Processing* 2020, Article number 105513, @2020 1.000
344. Rani, N., Ahlawat, R. "Structural and optical properties of Nb₂O₅/SiO₂ powder prepared by sol-gel method" *AIP Conference Proceedings*, Volume 2265, 5 November 2020, Article number 030128, @2020 1.000
345. S. Abhinay, R. Mazumder. "Synthesis of ferroelectric 0.9KNbO₃-0.1Ba(Nb_{1/2}Ni_{1/2})O_{3-δ} through one step hydrothermal reaction: Characterization and photocatalytic properties". *Journal of Solid State Chemistry* Volume 289, September 2020, 121362, @2020 [Линк](#) 1.000
346. Salim E.T., Saimon J.A., Abood M.K., Fakhri M.A. "Effect of silicon substrate type on Nb₂O₅/Si device performance: an answer depends on physical analysis". *2020 Optical and Quantum Electronics*, 52(10), art. no. 463., @2020 [Линк](#) 1.000
347. Xu, S.; Jia, H.; Wang, C.; Zhao, W.; Wang, Y.; Yang, C.; Wu, H.; Zhu, J.; Wang, B.; Wang, Q. "Low-Temperature Preparation of SiO₂/Nb₂O₅/TiO₂-SiO₂ Broadband Antireflective Coating for the Visible via Acid-Catalyzed Sol-Gel Method". *Coatings* 2020, 10, 737., @2020 [Линк](#) 1.000
153. Kovalenko, A, **Stoyanova, D**, Pospisil, J, **Zhivkov, I**, Fekete, L, **Karashanova, D**, Kratochvílová, I, Vala, M, Weiter, M. Morphology versus Vertical Phase Segregation in Solvent Annealed Small Molecule Bulk Heterojunction Organic Solar Cells. *International Journal of Photoenergy*, 2015, Hindawi Publishing Corporation, 2015, ISSN:1110-662X, DOI:10.1155/2015/238981, 238981-1-238981-8. JCR-IF (Web of Science):1.563

Цитира се в:

348. L. Wang, Q. Li, S. Liu, Z. Cao, Y. Cai, X. Jiao, H. Lai, W. Xie, X. Zhan, T. Zhu, "Quantitative Determination of the Vertical Segregation and Molecular Ordering of PBDB-T/ITIC Blend Films with Solvent Additives", *ACS Appl. Mater. Interfaces*, 2020, 12, 21, 24165–24173, @2020 [Линк](#) 1.000
154. **Stoykova, E, Nazarova, D, Berberova, N, Gotchev, A.** Performance of intensity-based non-normalized pointwise algorithms in dynamic speckle analysis. *Optics Express*, 23, 19, OSA publishing, 2015, ISSN:1094-4087, DOI:doi: 10.1364/OE.23.025128, 25128-25142. ISI IF:3.356

Цитира се в:

349. Chatterjee, Amit, Singh, Puneet, Bhatia, Vimal, Prakash, Shashi, "An efficient automated biospeckle indexing strategy using morphological and geo-statistical descriptors". *Optics and Lasers in Engineering* 134, 106217, @2020 [Линк](#) 1.000
350. Singh, Puneet, Chatterjee, Amit, Bhatia, Vimal, Prakash, Shashi, "Application of laser biospeckle analysis for assessment of seed priming treatments". *Computers and Electronics in Agriculture* 169, 105212, 2020, @2020 [Линк](#) 1.000

2016

155. 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 в:

351. A. G. Gamzatov, Y. S. Koshkidko, D. C. Freitas, E. Moshkina, L. Bezmaternykh, A. M. Aliev, S.-C. Yu, and M. H. Phan "Anisotropic magnetocaloric properties of the ludwigite single crystal Cu₂MnBO₅" *Appl. Phys. Lett.* 116, 232403 (2020), @2020 1.000
352. Dimitar N Petrov, Phan The Long, Yu S Koshkid'Ko, J Ćwik and K Nenkov "Large magnetocaloric effect in LiLnP₄O₁₂ (Ln = Gd, Tb, Dy) single crystals" *J. Phys. D: Appl. Phys.* 53, 495005 (2020), @2020 1.000
353. Hana Čenčariková, Jozef Strečka "Rotating magnetoelectric effect in a ground state of a coupled spin-electron model on a doubly decorated square lattice" *Physica A: Statistical Mechanics and its Applications* 125673 (2020), @2020 1.000
354. Hu Zhang, Chengfen Xing, He Zhou, Xinq Zheng, Xuefei Miao, Lunhua He, Jie Chen, Huaile Lu, Enke Liu, Wentuo Han, Hongguo Zhang, Yixu Wang, Yi Long, Lambert van Eijk, Ekkes Brück "Giant anisotropic magnetocaloric effect by coherent orientation of crystallographic texture and rare-earth ion moments in HoNiSi polycrystal" *Acta Materialia*, Vol. 193, pp. 210-220 (2020), @2020 1.000
355. Lingwei Li and Mi Yan "Recent progresses in exploring the rare earth based intermetallic compounds for cryogenic magnetic refrigeration" *Journal of Alloys and Compounds* Volume 823, 153810 (2020), @2020 1.000

356. Liqun Su, Hu Zhang, He Zhou, Kaili Yan, Daoyong Cong, Rongjin Huang, Yingli Zhang, and Yi Long "Rotating magnetocaloric effect over a wide room temperature range in oriented polycrystalline Nd_{1-x}Tb_xCo₅" Journal of Applied Physics 127, 043905 (2020), @2020 1.000
357. Md F Abdullah, P Pal, K Chandrakanta, R Jena, S Devi, C S Yadav, A K Singh "Enhanced magnetic and room temperature intrinsic magnetodielectric effect in Mn modified Ba₂Mg₂Fe₁₂O₂₂ Y-type hexaferrite" Journal of Physics: Condensed Matter 32:13, 135701 (2020), @2020 1.000
358. N. Pavan Kumar, Jyotirmayee Satapathy, Durgesh Singh, Manju Mishra Patidar, V. Ganesan, A. Srinivas & M. Manivel Raja "Magnetocaloric Properties of Gd_{1-x}HoxMnO₃ Multiferroic Compounds" Journal of Low Temperature Physics, vol. 200, pp.40–50 (2020), @2020 1.000
359. Nikolai A. Zarkevich and Vladimir I. Zverev "Viable Materials with a Giant Magnetocaloric Effect" Crystals, 10(9), 815 (2020), @2020 1.000
360. P. Dutta, M. Das, S. Mukherjee, S. Chatterjee, S. Giri, S. Majumdar "Magnetic and electric behaviors of DyMn₂O₅: Effect of hole doping" Journal of Magnetism and Magnetic Materials, Volume 504, 166698 (2020), @2020 1.000
361. Xuanwei Zhao, Xianming Zheng, Xiaohua Luo, Shengcan Ma, Zhishuo Zhang, Kai Liu, Ji Qi, Hai Zeng, Sajjad Ur Rehman, Weijun Ren, Changcai Chen, Zhenchen Zhong "Giant rotating magnetocaloric effect enhanced by crystal electric field in antiferromagnetic ErNi₃Al₉ single crystal" Journal of Alloys and Compounds, Volume 847, 156478 (2020), @2020 1.000
362. Yi-Quan Zhao and Hai-Xia Cao "Multicaloric effect in multiferroic EuTiO₃ thin films" J Mater Sci 55, pages5705–5714 (2020), @2020 1.000

156. 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

Цумура се е:

363. Anton Tamtögl, Marco Sacchi, Nadav Avidor, Irene Calvo-Almazán, Peter S. M. Townsend, Martin Bremholm, Philip Hofmann, John Ellis & William Allison "Nanoscale diffusion of water on a topological insulator" Nature Communications, vol.11, 278 (2020), @2020 [Линк](#) 1.000
364. Chen, Zhesheng; Dong, Jingwei; Giorgetti, Christine; Papalazarou, Evangelos; Marsi, Marino; Zhang, Zailan; Tian, Bingbing; Ma, Qingwei; Cheng, Yingchun; Rueff, Jean-Pascal; Taleb-Ibrahimi, Perfetti, Luca. Spectroscopy of buried states in black phosphorus with surface doping 2D MATERIALS Volume: 7 Issue: 3 Article Number: 035027 (JUL 2020), @2020 [Линк](#) 1.000
365. G. R. Gurbanov & M. B. Adygezalova "Physicochemical Interactions in the GeSb₂Te₄-PbSb₂Te₄ System" Semiconductors volume 54, pages1304–1309 (2020), @2020 [Линк](#) 1.000
366. Hamann, Danielle M. "Investigating the Influence of Nanoarchitecture and Atoms/Unit Area on Constituent Structure and Transport Properties of Nanolaminate Heterostructures" University of Oregon, ProQuest Dissertations Publishing (2020), @2020 1.000
367. J. Granet, M. Sicot, I. C. Gerber, G. Kremer, T. Pierron, B. Kierren, L. Moreau, Y. Fagot-Revurat, S. Lamare, F. Chérioux, and D. Malterre "Adsorption-Induced Kondo Effect in Metal-Free Phthalocyanine on Ag(111)" J. Phys. Chem. C, 124, 19, 10441–10452 (2020), @2020 [Линк](#) 1.000
368. Marc G. Cuxart, Miguel Angel Valbuena, Roberto Robles, César Moreno, Frédéric Bonell, Guillaume Sauthier, Inhar Imaz, Heng Xu, Corneliu Nistor, Alessandro Barla, Pierluigi Gargiani, Manuel Valvidares, Daniel MasPOCH, Pietro Gambardella, Sergio O. Valenzuela, and Aitor Mugarza "Molecular Approach for Engineering Interfacial Interactions in Magnetic/Topological Insulator Heterostructures" ACS Nano, 14, 5, 6285–6294 (2020), @2020 [Линк](#) 1.000
369. Tatsuya Kitazawa, Koichiro Yaji, Kosuke Shimozawa, Hiroshi Kondo, Takayoshi Yamanaka, Hiroshi Yaguchi, Yukiaki Ishida, Kenta Kuroda, Ayumi Harasawa, Takashi Iwahashi, Yukio Ouchi, Fumio Komori, Shik Shin, Kaname Kanai "Topological Surface State of Bi₂Se₃ Modified by Adsorption of Organic Donor Molecule Tetrathianaphthacene" Advanced Materials Interfaces, Volume7, Issue14, 2000524 (2020), @2020 [Линк](#) 1.000
370. Адыгезалова М.Б. "Система GeSb₂Te₄ – PbSb₂Te₄" pp.33-36 Advances in Science and Technology, Сборник статей XXXII международной научно-практической конференции, ISBN 978-5-6045535-0-3 (2020), @2020 1.000
157. Bubev, E, **Georgiev, A**, Machkova, M. Kinetic study on UV-absorber photodegradation under different conditions. Chemical Physics, 476, Elsevier, 2016, DOI:doi:10.1016/j.chemphys.2016.08.004, 69-79. JCR-IF (Web of Science):1.758 (x)

Цумура се е:

371. Babaghayou, M.I., Mourad, A.-H.I., Ochoa, A., Beltrán, F., Cherupurakal, N., "Study on the thermal stability of stabilized and unstabilized low-density polyethylene films", Polymer Bulletin 2020 in press, , @2020 [Линк](#) 1.000
158. **Marinova, V.**, Chi, C. H., Tong, Z. F., **Berberova, N.**, Liu, R. C., Lin, S. H., Lin, Y. H., **Stoykova, E.**, Hsu, K. Y.. Liquid crystal light valve operating at near infrared spectral range. Optical and Quantum Electronics, 48, 4, Springer New York LLC, 2016, ISSN:0306-8919, DOI:10.1007/s11082-016-0546-6, JCR-IF (Web of Science):1.168

Цумура се е:

372. Defang Li, Jinying Zhang, Qingfeng Shi, Xichen Yuan, Zhuo Li, Xin Wang, Suhui Yang and Yan Hao "A Robust Infrared Transducer of an Ultra-Large-Scale Array" Sensors, 20(23), 6807 (2020), @2020 [Линк](#) 1.000

373. Ibrahim Abdulhalim, Michael Rosenblitt, Marwan J. Abuleil, Madhuri Lakshmi Pappu, Hisham Abdulhalim, Raúl J. Martín-Palma "Single Pixel Thermal Camera based on Liquid Crystal Resonant Structures" Public deliverable for the ATTRACT Final Conference, pp.1-5 (2020), @2020 1.000
374. Lang Zhou, Xin Wang, Suhui Yang, Jinying Zhang, Yanze Gao, Chang Xu, Defang Li, Qingfeng Shi, Zhuo Li "A self-suspended MEMS film convertor for dual-band infrared scene projection" Infrared Physics & Technology, Volume 105, 103231 (2020), @2020 1.000
375. Xin Wang, Defang Li, Zhuo Li, Suhui Yang, Jinying Zhang, and Qian Zhao "Performance improvement of an infrared scene generation chip by in-plane microstructures" Optics Express Vol. 28, Issue 18, pp. 26807-26822 (2020), @2020 1.000
159. 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

Lumupa ce e:

376. Castro-Ruiz, Andrés. Rodríguez-Tobías, Heriberto. Abraham, Gustavo A. Rivero, Guadalupe. Morales, Graciela. "Core-sheath nanofibrous membranes based on poly(acrylonitrile-butadiene-styrene), polyacrylonitrile, and zinc oxide nanoparticles for photoreduction of Cr(VI) ions in aqueous solutions". Applied Polymer Science. 2020, 137, 48429., @2020 [Линк](#) 1.000
377. Doagou-Rad, Saeed. Islam, Aminul. Merca, Timea D. "" = An application-oriented roadmap to select polymeric nanocomposites for advanced applications: A review". Polymer composites, 41 (4) 1153-1189. doi.org/10.1002/pc.25461, @2020 [Линк](#) 1.000
378. Rilda, Yetria. Meranti, Astuti. Citra, Yulia. Refinel, Refinel. Putri, Yulia Eka. Agustien, Anthoni. Pardi, Hilfi. "Self-Cleaning and Superhydrophilic Surface Cottonby Nanocomposite TiO₂-SiO₂-Chitosan". Materials Research Innovations. DOI: 10.1080/14328917.2020.1819001, @2020 [Линк](#) 1.000
379. Yao, Sai. Yuan, Xingzhong. Jiang, Longbo. Xiong, Ting. Zhang, Jin. "Recent Progress on Fullerene-Based Materials: Synthesis, Properties, Modifications, and Photocatalytic Applications". MATERIALS 13 (13) Article Number: 2924, DOI: 10.3390/ma13132924., @2020 [Линк](#) 1.000
160. 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.jpcc.6b01135, 2241-2248. SJR (Scopus):1.345, JCR-IF (Web of Science):3.177 (x)

Lumupa ce e:

380. Qi, J. X.; Liu, T. C.; Zhao, W.; Zheng, X. H.; Wang, Y. H. "Synthesis, crystal structure and antiproliferative mechanisms of gallium(III) complexes with benzoylpyridine thiosemicarbazones". RSC ADVANCES, Volume: 10, Issue: 32, Pages: 18553-18559, DOI: 10.1039/d0ra02913k, @2020 1.000
381. Rodriguez-Contreras, A; Torres, D; Guillem-Marti, J; Sereno, P; Ginebra, MP; Calero, JA; Manero, JM; Ruperez, E. "Development of novel dual-action coatings with osteoinductive and antibacterial properties for 3D-printed titanium implants". SURFACE & COATINGS TECHNOLOGY, Volume: 403, Article Number: 126381, DOI: 10.1016/j.surfcoat.2020.126381, @2020 1.000
382. Yin, HY; Gao, JJ; Chen, XM; Ma, B; Yang, ZS; Tang, J; Wang, BW; Chen, TF; Wang, C; Gao, S; Zhang, JL. "A Gallium(III) Complex that Engages Protein Disulfide Isomerase A3 (PDIA3) as an Anticancer Target". ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, Volume: 59, Issue: 45, Pages: 20147-20153, DOI: 10.1002/anie.202008432, @2020 1.000
161. 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

Lumupa ce e:

383. Daisuke Ogawa, Kohei Nishimura, Hideo Uchida, Keiji Nakamura "Plasma polishing of multi-walled carbon nanotubes towards single-walled limit" Materials Chemistry and Physics, Volume 253, 123424 (2020), @2020 1.000
384. Meng Tian, Zhenhua Li, Ruihong Song, Yingxian Li, Chengang Guo, Yujie Sha, Wanling Cui, Shicai Xu, Guodong Hu, Jihua Wang "Graphene biosensor as affinity biosensors for biorecognition between Guanine riboswitch and ligand" Applied Surface Science, Vol. 503, 144303 (2020), @2020 1.000
162. **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

Lumupa ce e:

385. T. A. Zhurin, E. S. Sim, V. G. Dyu, M. G. Kisteneva, S. M. Shandarov "Differential Characteristics of the Optical Transmission Spectra of Sillenite Crystals" Optics and Spectroscopy 128 (9) pp.1364-1367 (2020), @2020 [Линк](#) 1.000
163. **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

Lumupa ce e:

386. Lova, Paola; Megahd, Heba; Stagnaro, Paola; Alloisio, Marina; Patrini, Maddalena and Comoretto, Davide. "Strategies for Dielectric Contrast Enhancement in 1D Planar Polymeric Photonic Crystals". *Applied Sciences*, 10(12), 4122. MDPI, 2020, @2020 [Линк](#) 1.000
164. 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 е:

387. Kareem, Sahira Hassan. Najj, Amel Muhson. Taqi, Zainab J. Jabir, Majid S. "Polyvinylpyrrolidone Loaded-MnZnFe₂O₄ Magnetic Nanocomposites Induce Apoptosis in Cancer Cells Through Mitochondrial Damage and P53 Pathway". *J Inorg Organomet Polym* 30, 5009–5023. <https://doi.org/10.1007/s10904-020-01651-1>, @2020 [Линк](#) 1.000
388. Punithavathy, I. Kartharinal. Rajeshwari, A. Jeyakumar, S. Johnson. Lenin, N. Vigneshwaran, B. Jothibas, M. Arunkumar, B. "Impact of lanthanum ions on magnetic and dielectric properties of cobalt nanoferrites". *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 31 (12) 9783-9795. DOI: 10.1007/s10854-020-03523-3, @2020 [Линк](#) 1.000
389. Ribeiro, Jomar José Knaip. Porto, Paulo Sérgio da Silva. Moscon, Paulo Sérgio. Proveti, José Rafael Cápua. Pessoa, Marcio Solino. Pereira, Rodrigo Dias. Muniz, Eduardo Perini. "Production of Nanoparticles of Spinel Ferrites: A Bibliometric Study". *Research, Society and Development* 9 (1):e05911546. <https://doi.org/10.33448/rsd-v9i1.1546>, @2020 [Линк](#) 1.000
390. Shabzendedar, Sahar. Modarresi-Alam, Ali Reza. Noroozifar, Meissam. Kerman, Kagan. "Core-shell nanocomposite of superparamagnetic Fe₃O₄ nanoparticles with poly(m-aminobenzenesulfonic acid) for polymer solar cells". *Organic Electronics* 77, 105462., @2020 [Линк](#) 1.000
391. Zhou, Kaibo. Zhou, Xiang. Liu, Jie. Huang, Zhen. "Application of magnetic nanoparticles in petroleum industry: A review". *Engineering* 188, 106943., @2020 [Линк](#) 1.000
165. 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 е:

392. Atakan Tekgöl, Cumhuri Gökhan Ünlü, Kagan Sarlar & Ilker Kucuk "K dopant effect on La_{0.7}K_xCa_{0.3-x}MnO₃ (x = 0, 0.05, 0.1) perovskite compounds: the structural, magnetic and magnetocaloric properties" *Journal of Materials Science: Materials in Electronics*, vol. 31, pp. 6875–6882 (2020), @2020 1.000
393. Hu Zhang, Chengfen Xing, He Zhou, Xinq Zheng, Xuefei Miao, Lunhua He, Jie Chen, Huaile Lu, Enke Liu, Wentuo Han, Hongguo Zhang, Yixu Wang, Yi Long, Lambert van Eijk, Ekkes Brück "Giant anisotropic magnetocaloric effect by coherent orientation of crystallographic texture and rare-earth ion moments in HoNiSi polycrystal" *Acta Materialia*, Vol. 193, pp. 210-220 (2020), @2020 1.000
394. Krishnamayee Bhoi, Manju Mishra Patidar, Krishnan M, Asit Sahoo, K. K. Mishra, A. K. Singh, P.N. Vishwakarma, V. Ganesan, Dillip K. Pradhan "Effect of rare-earth Gadolinium (Gd) substitution on structural, magnetic and specific heat properties in orthorhombic DyMnO₃ ceramics" *Journal of Physics D: Applied Physics*, 53, 405301 (2020), @2020 1.000
395. Kun Wang, Mingxiao Zhang, Yi Ouyang, Jian Liu, Hu Zhang "Enhancement of rotating magnetocaloric effect by Fe substitution in NdCo_{5-x}Fe_x alloys" *Intermetallics*, Volume 118, 106676 (2020), @2020 1.000
396. Lingwei Li and Mi Yan "Recent progresses in exploring the rare earth based intermetallic compounds for cryogenic magnetic refrigeration" *Journal of Alloys and Compounds*, Volume 823, 153810 (2020), @2020 1.000
397. W. Hzez, R. Hamdi, S. Kraiem, H. Rahmouni, A.Tozri, K.Khirouni, E.Dahri "Close look on the impact of treating dysprosium manganite with Ca/Sr in terms of transport properties" *Journal of Alloys and Compounds*, Volume 834, 155121 (2020), @2020 1.000
398. Xuanwei Zhao, Xianming Zheng, Xiaohua Luo, Shengcan Ma, Zhishuo Zhang, Kai Liu, Ji Qi, Hai Zeng, Sajjad Ur Rehman, Weijun Ren, Changcai Chen, Zhenchen Zhong "Giant rotating magnetocaloric effect enhanced by crystal electric field in antiferromagnetic ErNi₃Al₉ single crystal" *Journal of Alloys and Compounds*, Volume 847, 156478 (2020), @2020 1.000

166. 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 е:

399. Mostafa Jabbari. "Material development of a textile bioreactorAll-polyamide composite for the construction of bioreactors", Thesis for the degree of Doctor of Philosophy at the University of Borås to be publicly defended on January 31st 2020, 10:00 a.m. in room E310, University of Borås, Allégatan 1, Borås, Sweden., @2020 [Линк](#) 1.000
167. **Stoykova, E.,** Kang, H. 3D Capture and 3D Contents Generation for Holographic Displays. OSA Technical digest, DH2016, OSA Publishing, 2016, DOI:doi.org/10.1364/DH.2016.DM3E.1, DM3E.1

Цитупа се е:

400. Li, J., Smithwick, Q., & Chu, D. (2020). Scalable coarse integral holographic video display with integrated spatial image tiling. *Optics Express*, 28(7), 9899-9912., @2020 [Линк](#) 1.000

168. Koduru,HK, Iliev,MT, Kondamareddy,KK, **Karashanova,D**, Vlachov,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:

401. Adimule, Vinayak. Suryavanshi, Anusha. Nandi, Santosh. "Synthesis, characterization and impedance studies of novel nanocomposites of gadolinium titanate". IOP Conf. Ser.: Materials Science and Engineering. 872, 012099., @2020 [Линк](#) 1.000
402. Brza, Mohamad A. Aziz, Shujahadeen B. Nofal, Muaffaq M. Saeed, Salah R. Al-Zangana, Shakhawan. Karim, Wrya O. Hussien, Sarkawt A. Abdulwahid, Rebar T. Kadir, Mohd F. Z. "Drawbacks of Low Lattice Energy Ammonium Salts for Ion-Conducting Polymer Electrolyte Preparation: Structural, Morphological and Electrical Characteristics of CS:PEO:NH4BF4-Based Polymer Blend Electrolytes". POLYMERS 12 (9) Article Number: 1885, DOI: 10.3390/polym12091885., @2020 [Линк](#) 1.000
403. Gopinath, Anagha. Mohan, Revathy, Mohanan, Anilkumar Kollery. "Polymer based solid complexes for electrolytes in sodium ion battery applications". AIP Conference Proceedings 2287, 020026 (2020). <https://doi.org/10.1063/5.0029957>., @2020 [Линк](#) 1.000
404. Hadi, Jihad M. Aziz, Shujahadeen B. Mustafa, Muhammed Salih. Hamsan, M. H.Abdulwahid, R. T. Kadir, M. F. Z. Ghareeb, Hiwa Osman. "Role of nano-capacitor on dielectric constant enhancement in PEO:NH4SCN:xCeO(2) polymer nano-composites: Electrical and electrochemical properties". JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T 9 (4) 9283-9294. DOI: 10.1016/j.jmrt.2020.06.022., @2020 [Линк](#) 1.000
405. Rao, B. Keshav. Singh, Rachna. Verma, Mohan L. "Interaction of PEO with LiI/NaI: a density functional approach". POLYMER BULLETIN DOI: 10.1007/s00289-020-03171-x., @2020 [Линк](#) 1.000

169. **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

Цитупа се в:

406. Pal, Kaushik. Si, Asiya. El-Sayyad, Gharieb S. Abd Elkodous, M. Kumar, Rajesh. El-Batal, Ahmed I. Kralj, Samo. Thomas, Sabu. "Cutting edge development on graphene derivatives modified by liquid crystal and CdS/TiO2 hybrid matrix: optoelectronics and biotechnological aspects" Critical Reviews in Solid State and Materials Sciences (2020), <https://doi.org/10.1080/10408436.2020.1805295>., @2020 [Линк](#) 1.000
407. Prakash, Jai. Khan, Sidra. Chauhan, Shikha. Biradar, A.M. "Metal oxide nanoparticles and liquid crystal composites: A review of recent progress". Journal of Molecular Liquids, Volume: 297 Article Number: 112052 (JAN 1 2020), @2020 [Линк](#) 1.000
408. Sidra Khan, Jai Prakash1, Shikha Chauhan, and A. M. Biradar "Metal oxide-nanoparticles and liquid crystal composites: a review of recent progress" Journal of Molecular Liquids, Volume 297, 112052 (2020), @2020 [Линк](#) 1.000

170. 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

Цитупа се в:

409. Liu, J. P., & Lu, S. L. Fast calculation of high-definition depth-added computer-generated holographic stereogram by spectrum-domain look-up table. Applied Optics, 60(4), A104-A110., @2020 [Линк](#) 1.000

171. 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

Цитупа се в:

410. Blinder, D., & Schelkens, P. (2020). Phase added sub-stereograms for accelerating computer generated holography. Optics Express, 28(11), 16924-16934., @2020 [Линк](#) 1.000
411. Blinder, D., & Schelkens, P. (2020, April). Accelerating phase-added stereogram calculations by coefficient grouping for digital holography. In Optics, Photonics and Digital Technologies for Imaging Applications VI (Vol. 11353, p. 1135303). International Society for Optics and Photonics., @2020 [Линк](#) 1.000
412. Chang, C., Bang, K., Wetzstein, G., Lee, B., & Gao, L. (2020). Toward the next-generation VR/AR optics: a review of holographic near-eye displays from a human-centric perspective. Optica, 7(11), 1563-1578., @2020 [Линк](#) 1.000
413. Khuderchuluun, A., Erdenebat, M. U., Wu, H. Y., Kwon, K. C., Jeon, S. H., & Kim, N. (2020, February). Simplified content generation for holographic printer using computer-generated integral imaging. In Practical Holography XXXIV: Displays, Materials, and Applications (Vol. 11306, p. 113060M). International Society for Optics and Photonics, @2020 [Линк](#) 1.000
414. KOZACKI, Tomasz, et al. Numerical reconstruction of large HPO Fourier holograms. In: Optics, Photonics and Digital Technologies for Imaging Applications VI. International Society for Optics and Photonics, 2020. p. 1135300., @2020 [Линк](#) 1.000
415. Liu, Jung-Ping, and Sung-Lin Lu. "Fast calculation of high-definition depth-added computer-generated holographic stereogram by spectrum-domain look-up table." Applied Optics 60.4: A104-A110., @2020 1.000
416. Park, J. H. (2020). Efficient calculation scheme for high pixel resolution non-hogel-based computer generated hologram from light field. Optics Express, 28(5), 6663-6683., @2020 [Линк](#) 1.000

172. 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

Цумура се е:

417. De Bonis, A. Curcio, M. Santagata, A. Galasso, A. Teghil, R. "Transition Metal Carbide Core/Shell Nanoparticles by Ultra-Short Laser Ablation in Liquid". Nanomaterials 10 (1), 2020, 145. <https://doi.org/10.3390/nano10010145>, @2020 [Линк](#) 1.000

173. 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

Цумура се е:

418. Jurkevičiūtė, Aušrinė. Klimaitė, Gerda. Tamulevičius, Tomas. Fiutowski, Jacek. Rubahn, Horst-Günter. Tamulevičius, Sigita. "Tailoring of Silver Nanoparticle Size Distributions in Hydrogenated Amorphous Diamond-Like Carbon Nanocomposite Thin Films by Direct Femtosecond Laser Interference Patterning". Advanced engineering materials 22 (3) 1900951., @2020 [Линк](#) 1.000

419. Mozaffari, Hossein. Mahdih, Mohammad Hossein. "Synthesis of colloidal aluminum nanoparticles by nanosecond pulsed laser and the effect of external electric field and laser fluence on ablation rate". Optics & Laser Technology 126, 2020, 106083., @2020 [Линк](#) 1.000

174. **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)

Цумура се е:

420. Aneta Buczek, Malgorzata A. Broda, Teobald Kupka, Anne-Marie Kelterer, Peter M. Tolstoy, Vladimir D. Skirda. "On Complex Formation between 5-Fluorouracil and β -Cyclodextrin in Solution and in the Solid State: IR Markers and Detection of Short-Lived Complexes by Diffusion NMR", Molecules, 2020, 25(23), 5706; <https://doi.org/10.3390/molecules25235706>, @2020 [Линк](#) 1.000

421. Banjare, M. K.; Banjare, R.K.; Behera, K.; Pandey, S (Pandey, Siddharth)[4]; Mundeja, P.; Ghosh, K. K. "Inclusion complexation of novel synthesis amino acid based ionic liquids with beta-cyclodextrin". JOURNAL OF MOLECULAR LIQUIDS, Volume: 299, Article Number: 112204, DOI: 10.1016/j.molliq.2019.112204, @2020 1.000

422. Ignaczak, A.; Orszanski, L.; Adamiak, M.; Olejniczak, A. B. "Comparative DFT study of inclusion complexes of thymidine-carborane conjugate with beta-cyclodextrin and heptakis (2, 6-O-dimethyl)-beta-cyclodextrin in water". JOURNAL OF MOLECULAR LIQUIDS, Volume: 315, Article Number: 113767, DOI: 10.1016/j.molliq.2020.113767, @2020 1.000

423. Sandilya, A. A.; Natarajan, U.; Priya, M. H. "Molecular View into the Cyclodextrin Cavity: Structure and Hydration". ACS OMEGA, Volume: 5, Issue: 40, Pages: 25655-25667, DOI: 10.1021/acsomega.0c02760, @2020 1.000

175. **Lazarova, K.**, Todorova, L, Christova, D, **Babeva, T.** Color Sensing of Humidity Using Thin Films of Hydrophilic Cationic Copolymers. IEEE (Institute of Electrical and Electronics Engineers) , Conference series, 2017, DOI:10.1109/ISSE.2017.8000977

Цумура се е:

424. Lova, Paola; Megahd, Heba; Stagnaro, Paola; Alloisio, Marina; Patrini, Maddalena and Comoretto, Davide. "Strategies for Dielectric Contrast Enhancement in 1D Planar Polymeric Photonic Crystals". Applied Sciences, 10(12), 4122. MDPI, 2020, @2020 [Линк](#) 1.000

176. **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

Цумура се е:

425. Damien Dattler, Gad Fuks, Joakim Heiser, Emilie Moulin, Alexis Perrot, Xuyang Yao, Nicolas Giuseppone. "Design of Collective Motions from Synthetic Molecular Switches, Rotors, and Motors". Chemical Reviews, vol. 120(1), pp. 310-433 (8 Jan 2020) <https://doi.org/10.1021/acs.chemrev.9b00288>, @2020 [Линк](#) 1.000

426. Valeriia Ovdenko, Dmitry Vyshnevsky, Nikolay Davidenko, Irina Davidenko, Valeriy Pavlov. "Effect of molecular weight of PEG polymer matrix on the diffraction efficiency of Methyl Orange holographic media". Optical Materials (in press), 2020. DOI: <https://doi.org/10.1016/j.optmat.2020.110549>, @2020 [Линк](#) 1.000

177. 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

Цумура се е:

427. P. Dutta, M. Das, S. Mukherjee, S. Chatterjee, S. Giri, S. Majumdar "Magnetic and electric behaviors of DyMn2O5: Effect of hole doping" Journal of Magnetism and Magnetic Materials, Volume 504, 166698 (2020), @2020 1.000

178. **Georgiev, A.**, Bubev, E., **Dimov, D.**, Yancheva, D., **Zhivkov, I.**, Krajičovič, 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:](#)

428. Dragos Lucian Isac, Anton Airinei, Mihaela Homocianu, Nicusor Fifere, Corneliu Cojocar, Camelia Hulubei, "Photochromic properties of some azomaleimide derivatives and DFT quantum chemical study of thermal cis-trans isomerization pathways", *Journal of Photochemistry and Photobiology A: Chemistry*, Volume 390, 2020, 112300, , @2020 [Линк](#) 1.000
429. Şenol, D., "Synthesis, Structural Characterization, Enzymatic and Oxidative Polymerization of 2, 6-Diaminopyridine", *Journal of Fluorescence*, 30 (1), 2020, pp. 157-174., @2020 [Линк](#) 1.000

179. **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:](#)

430. Chen, X. ; Chu, Y. Q.; Gu, L. C.; Zhou, M. F.; Ding, C. F. "The non-covalent complexes of alpha- or gamma-cyclodextrin with divalent metal cations determined by mass spectrometry". *CARBOHYDRATE RESEARCH*, Volume: 492, Article Number: 107987, DOI: 10.1016/j.carres.2020.107987, @2020 1.000
431. Li, N.; Yang, L.; Ji, X. Y.; Ren, J.; Gao, B. Y.; Deng, W. Q.; Wang, Z. N. "Bioinspired succinyl-beta-cyclodextrin membranes for enhanced uranium extraction and reclamation". *ENVIRONMENTAL SCIENCE-NANO*, Volume: 7, Issue: 10, Pages: 3124-3135, DOI: 10.1039/d0en00709a, @2020 1.000

180. **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:](#)

432. Araz S. Aghdam and Fevzi Ç. Cebeci, Tailoring the Icephobic Performance of Slippery Liquid-Infused Porous Surfaces through the LbL Method, , *Langmuir*, 36(46), 14145–14154, 2020., @2020 1.000
433. Arfaoui A., Mhamdi A., Amlouk M., Physical investigations on mixed quaternary oxide Co_{0.7}Fe_{0.3}(MoO₄) thin film, *Optik*, 205, art. number 164254, 2020., @2020 1.000
434. Krishn Singh, Jayashree Majumdar, and Sudeep Bhattacharjee, Tuning optical properties of atomically heterogeneous systems created by plasma based low energy ion beams, *Applied Optics*, 59(14), pp. 4507-4516, 2020., @2020 1.000
435. M. Ghorbani, A.S. Aghdam, M.T. Gevari, A. Koşar, F.C. Cebeci, D. Grishenkov, A.J. Svagan, Facile Hydrodynamic Cavitation ON CHIP via Cellulose Nanofibers Stabilized Perfluorodroplets inside Layer-by-Layer Assembled SLIPS Surfaces, *Chemical Engineering Journal* 382, 122809, 2020., @2020 1.000
436. Naseem Abba, Muzamil Hussain, Nida Zahra, Hassaan Ahmad, Syed Muhammad Zain Mehdi, Uzair Sajjad and Mohammed Amer, Optimization of Cr Seed Layer Effect for Surface Roughness of As-Deposited Silver Film using Electron Beam Deposition Method, *Journal of The Chemical Society of Pakistan*, 42(1), pp.23-30, 2020., @2020 1.000
437. S. Cortés-López, S.L. Gastélum-Acuña, F.J. Flores-Ruiz, V. Garcia-Vazquez, R. García-Llamas, F. Pérez-Rodríguez, Berreman effect in bimetallic nanolayered metamaterials, *Optical Materials*, 99, 109578, 2020., @2020 1.000

181. **Dimitrov D Z**, P.M. Rafailov, Y.F. Chen, C.S. Lee, **R. Todorov**, J.Y. Juang. Growth and characterization of LuVO₄ single crystals. *Journal of Crystal Growth*, 473, 2017, 34-38. SJR (Scopus):0.592, JCR-IF (Web of Science):1.742

[Цитира се:](#)

438. Kokulnathan T, Chen S-Ming, Robust and Selective Electrochemical Detection of Antibiotic Residues: The Case of Integrated Lutetium Vanadate/Graphene Sheets Architectures, *Journal of Hazardous Materials* 384, 1213043, 2020., @2020 1.000

182. **Angelova, S.**, Nikolova, V., Molla, N., Dudev, T.. Factors Governing the Host-Guest Interactions between IIA/IIB Group Metal Cations and α -Cyclodextrin: A DFT/CDM Study. *Inorganic Chemistry*, 56, 4, ACS Publications, 2017, 1981-1987. SJR (Scopus):1.892 (x)

[Цитира се:](#)

439. Chen, X.; Chu, Y. Q.; Gu, L. C.; Zhou, M. F.; Ding, C. F. "The non-covalent complexes of alpha- or gamma-cyclodextrin with divalent metal cations determined by mass spectrometry". *CARBOHYDRATE RESEARCH*, Volume: 492, Article Number: 107987, DOI: 10.1016/j.carres.2020.107987, @2020 1.000

183. Kancheva, V., Slavova-Kazakova, A., **Angelova, S.**, Singh, S., Malhotra, S., Singh, B., Saso, L., Prasad, A., Parmar, V.. Protective effects of 4-methylcoumarins and related compounds as radical scavengers and chain-breaking antioxidants. *Biochimie*, 140, Elsevier BV, 2017, ISSN:03009084, DOI:<https://doi.org/10.1016/j.biochi.2017.07.010>, 133-145. SJR (Scopus):1.554 (x)

[Цитира се:](#)

440. Baune, M.; Kang, K.; Schenkeveld, W. D. C.; Kraemer, S. M.; Hayen, H.; Weber, G. "Importance of oxidation products in coumarin-mediated Fe(hydr)oxide mineral dissolution". BIOMETALS, Volume: 33, Issue: 6, Pages: 305-321, DOI: 10.1007/s10534-020-00248-y, @2020 1.000
441. Yang, M.; Luo, C. H.; Zhu, Y. Q.; Liu, Y. C.; An, Y. J.; Iqbal, J.; Wang, Z. Z.; Ma, X. M. "7, 8-Dihydroxy-4-methylcoumarin reverses depression model-induced depression-like behaviors and alteration of dendritic spines in the mood circuits". PSYCHONEUROENDOCRINOLOGY, Volume: 119, Article Number: 104767, DOI: 10.1016/j.psyneuen.2020.104767, @2020 1.000
184. Hoonjong Kang, **Elena Stoykova**, **Nataliya Berberova**, Jiyong Park, **Dimana Nazarova**, Joo Sup Park, Youngmin Kim, Sunghee Hong, **Branimir Ivanov**, **Nikola Malinowski**. Three-dimensional imaging of cultural heritage artifacts with holographic printers. Proc. SPIE, 10226, 2017, DOI:10.1117/12.2262068, 102261I-102261I_8. SJR:0.23
Цитира се:
442. Mari, M., & Filippidis, G. (2020). Non-Linear Microscopy: A Well-Established Technique for Biological Applications towards Serving as a Diagnostic Tool for in situ Cultural Heritage Studies. Sustainability, 12(4), 1409., @2020 [Линк](#) 1.000
185. 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:
443. Saarnio, V. K.; Salorinne, K.; Ruokolainen, V. P.; Nilsson, J. R.; Tero, T. R.; Oikarinen, S.; Wilhelmsson, L. M.; Lahtinen, T. M.; Marjomaki, V. S. "Development of functionalized SYBR green II related cyanine dyes for viral RNA detection". DYES AND PIGMENTS, Volume: 177, Article Number: 108282, DOI: 10.1016/j.dyepig.2020.108282, @2020 [Линк](#) 1.000
444. Yu, X. F.; Song, R. Y.; Shi, C. J.; Wang, G. R. "SULFAMIC ACID-CATALYZED CONVERSION OF o-AMINOTHIOPHENOL AND AROMATIC ALDEHYDES TO 2-ARYLBENZOTHAZOLES". HETEROCYCLES, Volume: 100, Issue: 6, Pages: 871-879, DOI: 10.3987/COM-20-14253, @2020 1.000
186. Shrestha K, **Marinova, V**, Graf D, Lorenz B, Chu C W. "Weak anti-localization effect due to topological surface states in Bi₂Se₂1Te_{0.9}". 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:
445. Alexandra Pilidi, Athanasios Tzani, Toni Helm, Michalis Arfanis, Polycarpos Falaras, and Thanassis Speliotis "Nanometer-Thick Bismuth Nanocrystal Films for Sensoric Applications" ACS Appl. Nano Mater., 3, 10, 9669–9678 (2020), @2020 [Линк](#) 1.000
187. 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
Цитира се:
446. Gopi Govindhan, Edward Prabu Amaladass, Anandha Babu Govindan, Ganesamoorthy Sarveswaran, Awadhesh Mani "Studies on Shubnikov-de Hass oscillations in p-Sb₂Te₂Se topological insulator" Materials Research Bulletin, Volume 124, 110733 (2020), @2020 1.000
188. 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
Цитира се:
447. Emre Yarali, Christina Koutsiaki, Hendrik Faber, Kornelius Tetzner, Emre Yengel, Panos Patsalas, Nikolaos Kalfagiannis, Demosthenes C. Koutsogeorgis, and Thomas D. Anthopoulos. "Recent Progress in Photonic Processing of Metal-Oxide Transistors". Advanced Functional Materials, Special Issue: Emerging Thin-Film Transistor Technologies and Applications, 30 (20), 2020, 1906022. <https://doi.org/10.1002/adfm.201906022>, @2020 [Линк](#) 1.000
189. Shrestha K, **Marinova, V**, Graf D, Lorenz B, Chu C W. "Simultaneous detection of quantum oscillations from bulk and topological surface states in metallic Bi₂Se₂1Te_{0.9}". Philosophical Magazine, 97, 20, 2017, DOI:10.1080/14786435.2017.1314563, 1740-1754. JCR-IF (Web of Science):1.505
Цитира се:
448. Doaa Abdelbarey, Julian Koch, Zamin Mamiyev, Christoph Tegenkamp, and Herbert Pfnür "Thickness-dependent electronic transport through epitaxial nontrivial Bi quantum films" Phys. Rev. B 102, 115409 (2020), @2020 1.000
190. 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
Цитира се:
449. Dalui, T. K.; Ghose, P. K.; Majumdar, S.; Giri, S..Interplay between positive magnetoresistance and thermoelectric properties by tuning carrier concentration in Sb_{2-x}SnxTe₃(x), @2020 [Линк](#) 1.000

450. Debarghya Mallick, Shoubhik Mandal, R. Ganesan, P. S. Anil Kumar "π phase difference between Hall oscillation and SdH oscillation and non trivial Berry Phase in a topological insulator" arXiv:2001.09294 [cond-mat.mes-hall] (2020), @2020 [Линк](#) 1.000
451. Ganesamoorthy; Mani, Awadhesh Studies on Shubnikov-de Hass oscillations in p-Sb₂Te₂Se topological insulator MATERIALS RESEARCH BULLETIN Volume: 124 Article Number: 110733 (APR 2020), @2020 [Линк](#) 1.000
191. Petrov S, **Marinova V**, Lin S H, Chang C M, Lin Y H, Hsu K Y. Large scale liquid crystal device with graphene-based electrodes. Optical Data Processing and Storage, 3, De Gruyter, 2017, 114-117
- Цитира се в:
452. Petri Mustonen, David M. A. Mackenzie & Harri Lipsanen "Review of fabrication methods of large-area transparent graphene electrodes for industry" Frontiers of Optoelectronics volume 13, pages 91–113 (2020), @2020 1.000
192. **Dimitrov, D**, Rafailov, P, **Marinova, V**, **Babeva, T**, Goovaerts, E, Chen, Y. F, Lee, C. S, Juang, J. Y. Structural and optical properties of LuVO₄ single crystals. Journal of Physics: Conf. Series, 794, 2017, 012029. SJR:0.211
- Цитира се в:
453. Bingqi Pan, Peisong Tang, Shanshan Gao, Weibin Shen & Haifeng Chen "Characterization and Photocatalytic Activity of Nanoparticulate LuVO₄ Prepared by Sol-Gel Method" Integrated Ferroelectrics, Volume 206, Issue 1: Proceedings of the Eighteenth China International Nanoscience and Technology Symposium (CINSTS19), Part I of V (2020), @2020 1.000
454. S.A. Klimin, P. Loiseau, D. Caurant and M.N. Popova « Spectroscopic study of GdVO₄: Yb + Er crystals » Quantum Electron., 50, 259 (2020), @2020 1.000
455. Thangavelu Kokulnathan and Shen-Ming Chen "Robust and selective electrochemical detection of antibiotic residues: The case of integrated lutetium vanadate/graphene sheets architectures" Journal of Hazardous Materials, Volume 384, 121304 (2020), @2020 1.000
193. Harizanova, R, Tatchev, D, Avdeev, G, Bocker, C, **Karashanova, D**, Mihailova, I, Gugov, I, Russel, C. Investigation on the crystallization behaviour of sodium-aluminoborosilicate glasses with high concentrations of Ba and Ti. BULGARIAN CHEMICAL COMMUNICATIONS, 49, Special Issue: A, 2017, ISSN:0324-1130, 119-125. ISI IF:0.238
- Цитира се в:
456. Melnyk, Inna V. Tomina, Veronika V. Stolyarchuk, Nataliya V. Václavíková, Miroslava. "Sol-Gel Technique to Design Hybrid Materials and their Application in Water Purification". Nanoscience and Nanotechnology in Security and Protection against CBRN Threats 2020, 67-73. DOI - 10.1007/978-94-024-2018-0_5, @2020 [Линк](#) 1.000
194. 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
- Цитира се в:
457. D.A. Fadeeva, I.I. Evdokimov, V.G. Pimenov, Determination of matrix composition of Ge-Se-Te chalcogenide glasses using the ICP-AES method, Analytics and Control, 24(4), pp. 277-286, 2020., @2020 [Линк](#) 1.000
458. J.-B. Dory, C. Castro-Chavarria, A. Verdy, J.-B. Jager, M. Bernard, C. Sabbione, M. Tessaire, J.-M. Fédéli, A. Coillet, B. Cluzel & P. Noé, Ge-Sb-S-Se-Te amorphous chalcogenide thin films towards on-chip nonlinear photonic devices, Scientific Reports, 10, 11894, 2020., @2020 1.000
459. Jonas Keukelier, Karl Opsomer, Thomas Nuytten, Stefanie Sergeant, Wouter Devulder, Sergiu Clima, Ludovic Goux, Gouri Sankar Karb and Christophe Detavernier, Impact of changes in bond structure on ovonic threshold switching behaviour in GeSe₂, Journal of Materials Chemistry C, 2020, Advance Article., @2020 1.000
460. Pierre Noé, Anthonin Verdy, Francesco d'Acapito, Jean-Baptiste Dory, Mathieu Bernard, Gabriele Navarro, Jean-Baptiste Jager, Jérôme Gaudin, Jean-Yves Raty, Toward ultimate nonvolatile resistive memories: The mechanism behind ovonic threshold switching revealed, Science Advance, 2020; 6 : eaay2830, 2020., @2020 1.000
461. Sultan Alomairy, Optical Parameters of Amorphous Ge-Te-Se Films from Ellipsometric Measurements, Oriental Journal of Chemistry 36(1), pp.93-99, 2020., @2020 1.000
195. Nikolov, AS, Nikov, R G, Nedyalkov, N N, Atanasov, P A, Alexandrov, M T, **Karashanova, D B**, Marinkov, N E, Dimitrov, I Z, Boevski, I I, Visan, A, Mihailescu, I N. Influence of the liquid level and ablation process duration on the characteristics of nanostructures created by nanosecond laser ablation of Ag in water. Proceedings of SPIE, 2017, ISSN:0277-786X, DOI:10.1117/12.2262450, SJR:0.43
- Цитира се в:
462. Hall, Stefano. "Linear sp carbon chains-polymer nanocomposites by pulsed laser ablation in liquid". School of Industrial and Information Engineering. Politecnico di Milano. Italy, @2020 [Линк](#) 1.000

196. 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, AMERICAL 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:

463. Bozorg, Maryam. Hankiewicz, Birgit. Abetz, Volker. "Solubility behaviour of random and gradient copolymers of di- and oligo(ethylene oxide) methacrylate in water: effect of various additives". Soft Matter, 16, 2020, 1066-1081C9SM02032B., @2020 [Линк](#) 1.000
464. Zika, Alexander. Bernhardt, Sarah. Gröhn, Franziska. "Photoresponsive Photoacid-Macroion Nano-Assemblies". Polymers 12 (8), 2020, 1746., @2020 [Линк](#) 1.000
197. Tsoncheva, T, Mileva, A, Tsytarski, 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:

465. Aamir Ishaq Shah Mehraj U.Din Dara Rouf Ahmad Bhat J.P.Singha Kuldip Singh Shakeel Ahmad Bhat. "Prospectives and challenges of wastewater treatment technologies to combat contaminants of emerging concerns". Ecological Engineering Volume 152, 1 June 2020, 105882, @2020 [Линк](#) 1.000
466. Angie E.Orduz, Carolina Acebal, Graciela Zanini. "Activated carbon from peanut shells: 2, 4-D desorption kinetics study for application as a green material for analytical purposes". Journal of Environmental Chemical Engineering, October 2020, 104601, @2020 [Линк](#) 1.000
467. Demiral, İlnur, Şamdan, Canan, Demiral, Hakan. "ŞEFTALİ ÇEKİRDEĞİNDEN ÇİNKO Klorür AKTİVASYONU İLE AKTİF KARBON ÜRETİMİ VE KARAKTERİZASYONU". Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi 28 / 1 (April 2020): 73-82. <https://doi.org/10.31796/ogummf.606556>, @2020 [Линк](#) 1.000
468. Foong, Shin Ying. Liew, Rock Keey. Yang, Yafeng. Cheng, Yoke Wang. Yek, Peter Nai Yuh. Mahari, Wan Adibah Wan. Lee, Xie Yi. Han, Chai Sean. Vo, Dai-Viet N. Le, Quyet Van. Aghbashloh, Mortaza. Tabatabaei, Meisam. Sonne, Christian. Peng, Wanxi. Lam, Su Shiung. "Valorization of biomass waste to engineered activated biochar by microwave pyrolysis: Progress, challenges, and future directions". Chemical Engineering Journal Volume 389, 1 June 2020, 124401., @2020 [Линк](#) 1.000
469. Mahmoud Nasrollahzadeh, Nasrin Shafiei, Zahra Nezafat, Nayyereh Sadat Soheili Bidgoli, Fahimeh Soleimani, Rajender S. Varma. "Valorisation of Fruits, their Juices and Residues into Valuable (Nano)materials for Applications in Chemical Catalysis and Environment". 2020 Chemical Record, doi.org/10.1002/tcr.202000078, @2020 [Линк](#) 1.000
470. Md Sumon Reza, Cheong Sing Yun, Shammya Afroze, Nikdalila Radenahmad, Muhammad S. Abu Bakar, Rahman Saidur, Juntakan Taweekun & Abul K.Azad. "Preparation of activated carbon from biomass and its applications in water and gas purification". preview, Arab Journal of Basic and Applied Sciences, 2020, VOL. 27, NO. 1, 208–238, @2020 [Линк](#) 1.000
471. Motejadded Emrooz, H.B., Maleki, M., Rashidi, A. et al. "Adsorption mechanism of a cationic dye on a biomass-derived micro- and mesoporous carbon: structural, kinetic, and equilibrium insight". Biomass Conv. Bioref. (2020). <https://doi.org/10.1007/s13399-019-00584-1>, @2020 [Линк](#) 1.000
472. N Quaranta, M Unsen, H López, A Cristóbal. "Porous ceramic bricks from clay and peach pits mixtures". No 38 (2020): Revista Tecnología y Ciencia, @2020 [Линк](#) 1.000
473. Nancy Esther, Quaranta Miguel, Unsen Hugo López, Adrián Cristóbal, Ladrillos Cerámicos. "Porosos a partir de Mezclas de Arcilla y Carozos de Durazno". Aug 2020 Revista Tecnología y Ciencia, (38), 37-49., @2020 [Линк](#) 1.000
198. **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:

474. I. M. Tkachenko, Yu. I. Kurioz, A. I. Kovalchuk, Ya. L. Kobzar, O. V.Shekera, O. G. Tereshchenko, V. G. Nazarenko and V. V. Shevchenko. "Optical properties of azo-based poly(azomethine)s with aromatic fluorinated fragments, ether linkages and aliphatic units in the backbone". Molecular Crystals and Liquid Crystals, 697:1, 85-96, DOI:10.1080/15421406.2020.1731080 (2020), @2020 [Линк](#) 1.000
475. R. Gester, A. Torres, C. Bistafa, R.S. Araújo, T.A. da Silva, V. Manzoni. "Theoretical study of a recently synthesized azo dyes useful for OLEDs". Materials Letters 280, (2020) art no 128535., @2020 [Линк](#) 1.000
199. **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:

476. Szukalski, Adam, Jędrzejewska, Beata, Krawczyk, Przemyslaw, Bajorek, Agnieszka. "An optical modulator on the pyrazolone-based bi-component system". Dyes and Pigments, Vol. 172, art. 107805. DOI: 10.1016/j.dyepig.2019.107805, 2020, @2020 [Линк](#) 1.000
477. Valeriia Ovdenko, Dmitry Vyshnevsky, Nikolay Davidenko, Irina Davidenko, Valeriy Pavlov. "Effect of molecular weight of PEG polymer matrix on the diffraction efficiency of Methyl Orange holographic media". Optical Materials (in press), 2020. DOI: <https://doi.org/10.1016/j.optmat.2020.110549>, @2020 [Линк](#) 1.000

200. 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)

Lumupa ce e:

478. de Souza, G.A.; Bezerra, F. D.; Martins, T. D. "Photophysical Properties of Fluorescent Self-Assembled Peptide Nanostructures for Singlet Oxygen Generation". *ACS OMEGA*, Volume: 5, Issue: 15, Pages: 8804-8815, DOI: 10.1021/acsomega.0c00381, @2020 [Линк](#) 1.000

201. Blagoev, B.S, Aleksandrova, M, Terziyska, P, Tzvetkov, P, Kovacheva, D, Kolev, G, Mehandzhiev, V, Denishev, K, **Dimitrov, D.** Investigation of the structural, optical and piezoelectric properties of ALD ZnO films on PEN substrates. *Journal of Physics: Conference Series*, 992, 2018, DOI:10.1088/1742-6596, 012027. SJR:0.241

Lumupa ce e:

479. Jiajie Yin, Faliang Luo, Qian Xing & Mengke Wang "Rapid crystallization of poly(ethylene 2, 6-naphthalate) via aryl amide derivatives" *Polymer-Plastics Technology and Materials*, Volume 59 (16) 1842-1853 (2020), @2020 1.000

480. Taher Abu Ali, Julian Pilz, Philipp Schöffner, Markus Kratzer, Christian Teichert, Barbara Stadlober, Anna Maria Coclite "Piezoelectric Properties of Zinc Oxide Thin Films Grown by Plasma-Enhanced Atomic Layer Deposition" *physica status solidi a*, Volume217, Issue21, 2000319 (2020), @2020 1.000

202. 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

Lumupa ce e:

481. Hu Zhang, Chengfen Xing, He Zhou, Xinq Zheng, Xuefei Miao, Lunhua He, Jie Chen, Huaile Lu, Enke Liu, Wentuo Han, Hongguo Zhang, Yixu Wang, Yi Long, Lambert van Eijk, Ekkes Brück "Giant anisotropic magnetocaloric effect by coherent orientation of crystallographic texture and rare-earth ion moments in HoNiSi polycrystal" *Acta Materialia*, Vol. 193, pp. 210-220 (2020), @2020 1.000

482. I. E. Lezova, E. V. Charnaya, E. V. Shevchenko, E. N. Khazanov, and A. V. Taranov "Calorimetry of DyxY₃-xAl₅O₁₂ garnet solid solutions in magnetic field" *Journal of Applied Physics* 128, 225101 (2020), @2020 1.000

483. Wei Longsha, Zhang Xuexi, Weimin Gan, Chao Ding, Chunfeng Liu, Lin Geng "Large Rotating Magnetocaloric Effects in Polycrystalline Ni-Mn-Ga Alloys" *Scripta Materialia*, Available at SSRN: <https://ssrn.com/abstract=3522219> (2020), @2020 1.000

484. Xuanwei Zhao, Xianming Zheng, Xiaohua Luo, Shengcan Ma, Zhishuo Zhang, Kai Liu, Ji Qi, Hai Zeng, Sajjad Ur Rehman, Weijun Ren, Changcai Chen, Zhenchen Zhong "Giant rotating magnetocaloric effect enhanced by crystal electric field in antiferromagnetic ErNi₃Al₉ single crystal" *Journal of Alloys and Compounds*, Volume 847, 156478 (2020), @2020 1.000

203. 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

Lumupa ce e:

485. Menglei Li, Hengxin Tan and Wenhui Duan "Hexagonal rare-earth manganites and ferrites: a review of improper ferroelectricity, magnetoelectric coupling, and unusual domain walls" *Phys. Chem. Chem. Phys.*, 22, 14415-14432 (2020), @2020 1.000

486. Salamatin, D. A.; N. Martin, V. A. Sidorov, N. M. Chtchelkatchev, M. V. Magnitskaya, A. E. Petrova, I. P. Zibrov, L. N. Fomicheva, Jing Guo, Cheng Huang, Liling Sun, and A. V. Tsvyashchenko "Dualism of the 4f electrons and its relation to high-temperature antiferromagnetism in the heavy-fermion compound YbCoC₂" *Phys. Rev. B* 101, 100406(R) (2020), @2020 1.000

204. Su Yu Chien, Chiou Chung Chin, **Marinova, V**, Lin Shiuan 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

Lumupa ce e:

487. 452. fei Ren, Juan Song "Improving optical and electrical performances of aluminum-doped zinc oxide thin films with laser-etched grating structures" *Ceramics International*, Available online 19 November (2020), @2020 1.000

488. Ming Ye, Raja Usman Tariq, Xiao-Long Zhao, Wei-Da Li and Yong-Ning He "Contactless Measurement of Sheet Resistance of Nanomaterial Using Waveguide Reflection Method" *Materials*, 13, 5240 (2020), @2020 1.000

489. Shital Prasad, Sonia Bansal, S.P. Pandey "Effect of substrate rotation speed on structural, morphological, vibrational and optical properties of sol-gel derived Mn-Ni co-doped ZnO thin films" *Materials Today: Proceedings* (2020), @2020 1.000

490. Yuxiu Li, Yao Li, Zhengyang Fan, Hongwei Yang, Ximin Yuan, and Chuan Wang "Ascorbic Acid-Assisted One-Step Chemical Reaction to Design an Ultralong Silver Nanowire Structure for a Highly Transparent Flexible Conducting Film" *ACS Omega*, 5, 29, 18458-18464 (2020), @2020 1.000

205. **Stoykova, E**, Hoonjong, K, Youngmin, K, **Nazarova, D**, **Nedelchev, L**, **Ivanov, B**, **Berberova, N**, **Mateev, G**. Evaluation of activity from binary patterns in dynamic speckle analysis. *Optics and Lasers in Engineering*, 111, Elsevier, 2018, ISSN:0143-8166, DOI:10.1016/j.optlaseng.2018.07.020, 50-57. JCR-IF (Web of Science):3.388

Цумура се в:

491. Keren Zhou, Chen Zhou, Anjali Sapre, Jared Henry Pavlock, Ashley Weaver, Ritvik Muralidharan, Joshua Noble, Jasna Kovac, Zhiwen Liu, and Aida Ebrahimi. "Dynamic Laser Speckle Imaging meets Machine Learning to enable Rapid Antibacterial Susceptibility Testing (DyRAST)". doi: <https://doi.org/10.1101/2020.02.04.926071>, 2020, @2020 [Линк](#) 1.000
206. 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

Цумура се в:

492. D. P. A. Holgado, K. Bolaños, S. de Castro, H. S. A. Monteiro, F. S. Pena, A. K. Okazaki, C. I. Fornari, P. H. O. Rappl, E. Abramof, D. A. W. Soares, and M. L. Peres "Shubnikov-de Haas oscillations and Rashba splitting in Bi₂Te₃ epitaxial film" Appl. Phys. Lett. 117, 102108 (2020), @2020 1.000
207. Georgieva, S., Todorov, P, Bezfamilnyi, A, **Georgiev, A**. Coordination behavior of 3-amino-5,5'-dimethylhydantoin towards Ni(II) and Zn(II) ions: Synthesis, spectral characterization and DFT calculations. Journal of molecular structure, 1166, Elsevier, 2018, DOI:<https://doi.org/10.1016/j.molstruc.2018.04.064>, 377-387. JCR-IF (Web of Science):2.011 (x)

Цумура се в:

493. Dasgupta, P., Kumar, V., Krishnaswamy, P.R., Bhat, N. "Biochemical assay for serum creatinine detection through a 1-methylhydantoin and cobalt complex", RSC Advances, 10 (64), 2020, pp. 39092-39101, @2020 [Линк](#) 1.000
494. Vatannavaz, L., Sabounchei, S.J., Sedghi, A., Karamian, R., Farida, S.H.M., Rahmani, N., "New nickel, palladium and platinum complexes of hydantoin derivative: Synthesis, characterization, theoretical study and biological activity", Polyhedron, 181, 2020, art. no. 114478, , @2020 [Линк](#) 1.000
208. **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

Цумура се в:

495. Saeid M.Elkatlawy, Hossam M.Gomaa, Abdel-Hamid A.Sakr, Structural properties, linear, and non-linear optical parameters of ternary Se₈₀Te_(20-x)In_x chalcogenide glass systems (Análisis estructural y parámetros ópticos lineales y no lineales de sistemas ternarios de vidrio de calcogenuro de composición Se₈₀Te_(20-x)In_x), Boletín de la Sociedad Española de Cerámica y Vidrio, Available online 21 October 2020, @2020 1.000
209. **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

Цумура се в:

496. Jain, N., Kumawat, R., Sharma, S.K., Effect of substrate temperature on the microstructural and optical properties of RF sputtered grown ZnO thin films, (2020) Materials Today: Proceedings, 30, pp. 93-99, DOI: 10.1016/j.matpr.2020.04.667, ISSN: 22147853, , @2020 [Линк](#) 1.000
497. Karem Yoli Tucto Salinas, Optical and luminiscent properties of terbium / ytterbium doped aluminum oxynitride and terbium doped aluminum nitride thin films, A thesis submitted for the degree of Doctor in Physics, Lima 2020, @2020 1.000
210. **Babeva, T**, Awala, H, Grand, J, **Lazarova, K, Vasileva, M**, Mintova, S. Optical and sensing properties of sol-gel derived vanadium pentoxide thin films and structures. Journal of Physics: Conf. Series, 992, IOP Conf. Series, 2018, DOI:10.1088/1742-6596/992/1/012038, 012038. SJR (Scopus):0.24

Цумура се в:

498. Dhananjaya, M., Guru Prakash, N., Lakshmi Narayana, A. et al. Electrochemical Performance of Nanocrystalline Vanadium Pentoxide Thin Films Grown by RF Magnetron Sputtering. Journal of Elec Materi 49, 1922–1934 (2020)., @2020 [Линк](#) 1.000
211. **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

Цумура се в:

499. Alam, M.M., Uddin, M.T., Asiri, A.M., Awual, M.R., Fazal, M.A., Rahman, M.M. and Islam, M.A., 2020. Fabrication of selective l-glutamic acid sensor in electrochemical technique from wet-chemically prepared RuO₂ doped ZnO nanoparticles. Materials Chemistry and Physics, p.123029., @2020 1.000
500. Salim, K., Medles, M., Nakrela, A., Miloua, R., Bouzidi, A. and Desfeux, R., 2020. Enhancement of optical and electrical properties of spray pyrolysed ZnO thin films obtained from Nitrate chemical by Al-Sn co-doping. Optik, p.164504., @2020 1.000
501. Wang, X., H. Yin, W. Liu, G. Yu, J. He, Z. Tang, and L. Yan. 2020. "Ni, Cr, and Fe Surfaces Corroded by Molten ZnCl₂." Materials and Corrosion 71 (6): 931-937. doi:10.1002/maco.201911346, @2020 1.000

212. 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

Цитирана се е:

502. Salim, A.A. Ghoshal, S.K. Bakhtiar, Hazri. Krishnan, G. Aziz, M. Safwan. Sapngi, H.H.J. "Pulse laser ablated growth of Au-Ag nanocolloids: Basic insight on physicochemical attributes". Journal of Physics: Conference Series, 1484, 012011., @2020 [Линк](#) 1.000

213. Tabakova, T, Ivanov, I, Karakirova, Y, **Karashanova, D**, Venezia, AM, Petrova, P, Avdeev, G, Kolentsova, E, Ivanov, K. Promotional Effect of Gold on the WGS Activity of Alumina-Supported Copper-Manganese Mixed Oxides. CATALYSTS, 8, 11, MDPI, ST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND, 2018, ISSN:2073-4344, DOI:10.3390/catal8110563, ISI IF:3.465

Цитирана се е:

503. Ebrahimi, P. Kumar, A. Khraisheh, M. "A review of recent advances in water-gas shift catalysis for hydrogen production". Emergent Materials 3, 2020, 881–917. <https://doi.org/10.1007/s42247-020-00116-y>, @2020 [Линк](#) 1.000

504. Girginov C., Kozhukharov S., Tzaneva B. "Determination of the Surface Properties of Combined Metal-Oxide Layers, Obtained by AC-Incorporation of Ni and Cu in Preliminary Formed AAO Matrices". In: Petkov P., Achour M., Popov C. (eds) Nanoscience and Nanotechnology in Security and Protection against CBRN Threats. NATO Science for Peace and Security Series B: Physics and Biophysics. Springer, Dordrecht. https://doi.org/10.1007/978-94-024-2018-0_28, @2020 [Линк](#) 1.000

505. Zhao, Jiaqi. Shi, Run. Li, Zhenhua. Zhou, Chao. Zhang, Tierui. "How to make use of methanol in green catalytic hydrogen production?". Nano select, 1 (1) 2020, 12-29. <https://doi.org/10.1002/nano.202000010>., @2020 [Линк](#) 1.000

214. 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

Цитирана се е:

506. Gu, Foquan. Peng, Zhiwei. Zhang, Yuanbo. Tang, Huimin. Tian, Weiguang. Lee, Joonho. Rao, Mingjun. Li, Guanghui. Jiang, Tao. "Promoting spinel formation and growth for preparation of refractory materials from ferronickel slag". Applied Ceramic Technology, 17 (4), 2020, 1701-1712. <https://doi.org/10.1111/ijac.13481>, @2020 [Линк](#) 1.000

507. Żółkoś, Marcin. "Analysis of the grinding force components and surface roughness in grinding with the use of a glass-crystalline bonded grinding wheel". Technologia i Automatyka Montażu, 1, 2020, 44-51. DOI 10.15199/160.2020.1.7, @2020 [Линк](#) 1.000

2019

215. **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

Цитирана се е:

508. Nozomi Nishizawa, Bassam Al-Qadi, Takahiro Kuchimaru. "Angular optimization for cancer identification with circularly polarized light". <https://arxiv.org/ftp/arxiv/papers/2012/2012.03263.pdf> (2020), @2020 [Линк](#) 1.000

216. 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

Цитирана се е:

509. Gengtao Hu, Jianwen Yang, Yanbing Han, Duo Cao and Feng Liu. "Solution processed amorphous gallium-incorporated tin oxide thin-film transistors". Jpn. J. Appl. Phys. 59 050906, 2020, @2020 [Линк](#) 1.000

510. Godlaveeti Sreenivasa Kumar, Badineni Venkataramana, Somala Adinarayana Reddy, Hussen Maseed and Ramamanohar Reddy Nagireddy. "Hydrothermal synthesis of Mn3O4 nanoparticles by evaluation of pH effect on particle Size formation and its antibacterial activity". 2020 Adv. Nat. Sci: Nanosci. Nanotechnol. 11 035006, @2020 [Линк](#) 1.000

511. J.N.Lacerda, D.F.Franceschina, E.A.Ponzio, Laura M. Esteves, R.B.Guimarães, Y.T.Xing. "Manganese oxide nanofoam prepared by pulsed laser deposition for high performance supercapacitor electrodes". Materials Chemistry and Physics, Volume 242, 15 February 2020, 122459, @2020 [Линк](#) 1.000

512. Jones de A. Pereira, Janiny N. Lacerda, Izabella F. Coelho, Cauê de S. C. Nogueira, Dante F. Franceschini, Eduardo A. Ponzio, Fernando B. Mainier and Yutao Xing. "Tuning the morphology of manganese oxide nanostructures for obtaining both high gravimetric and volumetric capacitance". Mater. Adv., 2020, 1, 2433-2442, @2020 [Линк](#) 1.000

513. Nguyen Hong Hanh Lai Van Duy Chu Manh Hung Nguyen Van Duya Young-Woo Heo Nguyen Van Hieu Nguyen Duc Hoa. "VOC gas sensor based on hollow cubic assembled nanocrystal Zn2SnO4 for breath analysis". Sensors and Actuators A: Physical Volume 302, 1 February 2020, @2020 [Линк](#) 1.000

514. Park, J.-H., Eom, J.-H., Lee, S.-L., Hwang, S.-W., Kim, S.-H., Kang, S.-W., Yun, J.-J., Cho, J.-S., Lee, Y.-H., Seo, D.-C. "Exploration of the potential capacity of fly ash and bottom ash derived from wood pellet-based thermal power plant for heavy metal removal". Science of The Total Environment, Volume 740, 20 October 2020, 140205, @2020 [Линк](#) 1.000

515. Sobetskii, A.; Olaru, M. T.; Cindemir, U.; et al. "DEPOSITION AND CHARACTERIZATION OF THIN FILMS BASED ON NANOSTRUCTURED WO₃ AS SENSORIAL ELEMENTS FOR DETECTION OF H₂S, REVISTA ROMANA DE MATERIALE". ROMANIAN JOURNAL OF MATERIALS, Volume: 50 Issue: 3 Pages: 387-39, @2020 [Линк](#) 1.000
516. Van Duy L., Van Duy N., Hung C.M., Hoa N.D., Dich N.Q. "Urea mediated synthesis and acetone-sensing properties of ultrathin porous ZnO nanoplates". 2020 Materials Today Communications, 25, art. no. 101445., @2020 [Линк](#) 1.000
217. 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 в:
517. Y. Wu, M. Xing, Y. Ding, Z. Lin, M. Zhang. "Photoinduced anisotropy of DR13/PMMA thin films upon irradiation at various wavelengths". Chemical Physics Letters, Vol. 743, Article No. 137163, doi: <https://doi.org/10.1016/j.cplett.2020.137163>, 2020, @2020 [Линк](#) 1.000
518. Yuxuan Zhang, Xuefang Sun, Xialei An, An Sui, Jie Yi, Xi-ming Song. "Synthesis, characterization, and photoinduced deformation properties of a series of azobenzene-containing poly(arylene ether)s". Dyes and Pigments, 2020. <https://doi.org/10.1016/j.dyepig.2020.109018>, @2020 [Линк](#) 1.000
218. Angelova, S., Paskaleva, V., Kochev, N., Antonov, L.. DFT study of hydrazone-based molecular switches: the effect of different stators on the on/off state distribution. Molecular Physics, Taylor&Francis, 2019, DOI:<https://doi.org/10.1080/00268976.2018.1548717>, 1604-1612. SJR (Scopus):0.64, JCR-IF (Web of Science):1.571 (x)
- Цитира се в:
519. Lorraine, S. C.; Lawrence, M. A. W.; Celestine, M.; Holder, A. A. "Electrochemical response of a Ru(II) benzothiazolyl-2-pyridinecarbothioamide pincer towards carbon dioxide and transfer hydrogenation of aryl ketones in air". JOURNAL OF MOLECULAR STRUCTURE, Volume: 1222, Article Number: 128829, DOI: 10.1016/j.molstruc.2020.128829, @2020 [Линк](#) 1.000
219. Chiou, Chung Chin, Hsu, Fan Hsi, Petrov, S., Marinova, V., Dikov, H., Vitanov, P., Dimitrov, D., Hsu, Ken Yuh, Lin, Yi Hsin, Lin, Shiuan 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 в:
520. Cuihong Zhang, Yuan Ge, Xiaoping Huo, Jing Xue, Kexuan Li, Yongming Zhang, Zongcheng Miao "Studies on electro-optical properties of polymer matrix/LC/ITO nanoparticles composites" Polymers Advanced Technologies, Vol.31, Iss.3, pp. 544-552 (2020), @2020 [Линк](#) 1.000
220. Tsoncheva, T, Tsyntsarski, B, Ivanova, R., Spassova, I, Kovacheva, D, Issa, G, Paneva, D, Karashanova, D., Dimitrov, M, Georgieva, B, Velinov, N, Mitov, I, Petrov, N. Ni_xZn_{1-x}Fe₂O₄ modified activated carbons from industrial waste as catalysts for hydrogen production. Microporous & Mesoporous Materials, 285, Elsevier, 2019, ISSN:1387-1811, 96-104. ISI IF:3.65
- Цитира се в:
521. Masteri-Farahani, M., Alavijeh, M.K. & Hosseini, M. "Venturello anion immobilized on the surface of porous activated carbon as heterogeneous catalyst for the epoxidation of olefins." Reac Kinet Mech Cat (2020). <https://doi.org/10.1007/s11444-020-01764-1>, @2020 [Линк](#) 1.000
522. Nasrollahzadeh, Mahmoud. Shafiei, Nasrin. Nezafat, Zahra. Sadat, Nayyereh. Bidgoli, Soheili. Soleimani, Fahimeh. Varma, Rajender S. "Valorisation of Fruits, their Juices and Residues into Valuable (Nano)materials for Applications in Chemical Catalysis and Environment". 2020 Chemical Record, doi.org/10.1002/tcr.202000078, @2020 [Линк](#) 1.000
523. Suprianto T., Winarto, Wijayanti W., Wardana I.N.G. "Synergistic effect of curcumin and activated carbon catalyst enhancing hydrogen production from biomass pyrolysis". International Journal of Hydrogen Energy, 2020, @2020 [Линк](#) 1.000
221. Todorov, P, Peneva, P, Georgieva, S, Rusev, R, Shivachev, B, Georgiev, A. Photochromic and molecular switching behaviour of new Schiff base containing hydantoin ring: Synthesis, characterization and crystal structure. New Journal of Chemistry, 6, 43, Royal Society of Chemistry, 2019, DOI:<https://doi.org/10.1039/C8NJ05748F>, 2740-2751. JCR-IF (Web of Science):3.2 (x)
- Цитира се в:
524. Luo, X.-Q., Liu, Q.-R., Han, Y.-J., Xue, L.-W. "Syntheses, X-ray single crystal structures and biological activities of cobalt(III) complexes with reduced Schiff base ligands" Acta Chimica Slovenica, 67 (1), 2020, pp. 159-166., @2020 [Линк](#) 1.000
525. Ovdenko, V.M., Multian, V.V., Uklein, A.V., Kulai, I.V., Kolendo, O.Y., Gayvoronsky, V.Y. "Novel efficient nonlinear optical azo- And azomethine polymers containing an antipyrine fragment: Synthesis and characterization" Journal of Materials Chemistry C, 8 (26), 2020, pp. 9032-9045., @2020 [Линк](#) 1.000
526. Yankov, A.N., Shutalev, A.D. A new straightforward approach to 3-(arylideneamino)hydantoin. Chem Heterocycl Comp 56, 2020, 1535–1541., @2020 [Линк](#) 1.000

222. **Lazarova, K.**, Boycheva S. V., **Vasileva, M.**, Zgureva, D., **Georgieva, B.**, **Babeva, T.** Zeolites from fly ash embedded in a thin niobium oxide matrix for optical and sensing applications. Journal of Physics Conference Series, 1186:012024, IOP, 2019, ISSN:1742-6588, DOI:10.1088/1742-6596/1186/1/012024, SJR (Scopus):0.24

Цитира се:

527. Harja M., Ciobanu G. Eco-friendly Nano-adsorbents for Pollutant Removal from Wastewaters. In: Kharissova O., Martínez L., Kharisov B. (eds) Handbook of Nanomaterials and Nanocomposites for Energy and Environmental Applications. Springer, Cham. https://doi.org/10.1007/978-3-030-11155-7_68-1, @2020 [Линк](#) 1.000
528. V.V. Sabadash, Ya.M. Gumnitsky, " Kinetics of adsorption of phosphation by synthetic zeolites from coal fly ash", Chemistry, Technology and Application of Substances, Vol. 3, No. 1, 2020, @2020 [Линк](#) 1.000
223. Pereva, S., Nikolova, V., **Angelova, S.**, Spasov, 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:

529. Buczek, A.; Stas, M.; Hebenstreit, C.; Maller, C.; Broda, M.A.; Kupka, T.; Kelterer, A. M. "Interaction of 5-fluorouracil with beta-cyclodextrin: A density functional theory study with dispersion correction". INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, Article Number: e26487, DOI: 10.1002/qua.26487, @2020 [Линк](#) 1.000
530. Daria L. Melnikova, Zilya F. Badrieva, Mikhail A. Kostin, Corina Maller, Monika Stas, Aneta Buczek, Malgorzata A. Broda, Teobald Kupka, Anne-Marie Kelterer, Peter M. Tolstoy, Vladimir D. Skirda. "On Complex Formation between 5-Fluorouracil and β -Cyclodextrin in Solution and in the Solid State: IR Markers and Detection of Short-Lived Complexes by Diffusion NMR", Molecules, 2020, 25(23), 5706; <https://doi.org/10.3390/molecules25235706>, @2020 [Линк](#) 1.000
531. de Oliveira, O.V.; Viegas, R. G. "Cucurbit[7]uril as a possible nanocarrier for the antichagasic benzimidazole: a computational approach". JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, 98 (1-2), 93-103, DOI: 10.1007/s10847-020-01014-w, @2020 [Линк](#) 1.000
532. Durante, M.; Milano, F.; De Caroli, M.; Giotta, L.; Piro, G.; Mita, G.; Frigione, M.; Lenucci, M. S. "Tomato Oil Encapsulation by alpha-, beta-, and gamma-Cyclodextrins: A Comparative Study on the Formation of Supramolecular Structures, Antioxidant Activity, and Carotenoid Stability". FOODS, Volume: 9, Issue: 11, Article Number: 1553, DOI: 10.3390/foods9111553, @2020 [Линк](#) 1.000
533. Ignaczak, A.; Orszanski, L.; Adamiak, M.; Olejniczak, A.B. "Comparative DFT study of inclusion complexes of thymidine-carborane conjugate with beta-cyclodextrin and heptakis (2, 6-O-dimethyl)-beta-cyclodextrin in water". JOURNAL OF MOLECULAR LIQUIDS, 315, Article Number: 113767, DOI: 10.1016/j.molliq.2020.113767, @2020 [Линк](#) 1.000
534. Matencio, A.; Navarro-Orcajada, S.; Garcia-Carmona, F.; Lopez-Nicolas, J. M. "Applications of cyclodextrins in food science. A review". TRENDS IN FOOD SCIENCE & TECHNOLOGY, 104, 132-143, DOI: 10.1016/j.tifs.2020.08.009, @2020 [Линк](#) 1.000
535. Munar, I.; Findik, V.; Degirmenci, I.; Aviyente, V. "Solvent Effects on Thiol-Ene Kinetics and Reactivity of Carbon and Sulfur Radicals", JOURNAL OF PHYSICAL CHEMISTRY A, 124 (13), 2580-2590, DOI: 10.1021/acs.jpca.9b10165, @2020 [Линк](#) 1.000
536. Sandilya, A. A.; Natarajan, U.; Priya, M. H. "Molecular View into the Cyclodextrin Cavity: Structure and Hydration". ACS OMEGA, 5 (40), Pages: 25655-25667, DOI: 10.1021/acsomega.0c02760, @2020 [Линк](#) 1.000
537. Wankar, J.; Kotla, N.G.; Gera, S.; Rasala, S.; Pandit, A.; Rochev, Y.A. "Recent Advances in Host-Guest Self-Assembled Cyclodextrin Carriers: Implications for Responsive Drug Delivery and Biomedical Engineering". ADVANCED FUNCTIONAL MATERIALS, Volume: 30, Issue: 44, Article Number: 1909049, DOI: 10.1002/adfm.201909049, @2020 [Линк](#) 1.000
224. Todorov, P, Peneva, P, Georgieva, S, Tchekalarova, J, Vitkova, V, Antonova, K, **Georgiev, A.** Synthesis, characterization and anticonvulsant activity of new azobenzene-containing VV-hemorphin-5 bio photoswitch. Amino Acids, Springer Nature, 2019, DOI:<https://doi.org/10.1007/s00726-018-02691-1>, ISI IF:2.9

Цитира се:

538. Ali, A., Alzeyoudi, S.A.R., Almutawa, S.A., Alnajjar, A.N., Vijayan, R. "Molecular basis of the therapeutic properties of hemorphins" Pharmacological Research, 158, 2020, art. no. 104855, @2020 [Линк](#) 1.000
539. Georgiev, N.I., Marinova, N.V., Bojinov, V.B. "Design and synthesis of light-harvesting rotor based on 1, 8-naphthalimide units", Journal of Photochemistry and Photobiology A: Chemistry, 401, 2020, art. no. 112733, @2020 [Линк](#) 1.000
540. Todorov, P., Peneva, P., Tchekalarova, J., Georgieva, S., Rangelov, M., Todorova, N., "Structure-activity relationship study on new hemorphin-4 analogues containing steric restricted amino acids moiety for evaluation of their anticonvulsant activity" Amino Acids, 52 (10), 2020, pp. 1375-1390., @2020 [Линк](#) 1.000
225. Fidanova, T, Petrov, S, Napoleonov, B, **Marinova, V**, **Petrova, D**, Rafailov, P, Lin Shiuan Huei, **Dimitrov, D.** "Single and multilayer graphene grown by CVD technique: characterization for electro-optical applications". AIP Conference Proceedings, 2075, 1, AIP Publishing, 2019, 020017. SJR (Scopus):0.18

Цитира се:

541. Kai Ping Chang, Haneen Abushammala, Mamina Sahoo, Alexandre Jaffre, David Alamarguy, Yu Jiang, Mohamed Boutchich, and Chao-Sung Lai "Integration of fluorographene trapping medium in MoS₂-based nonvolatile memory device" Journal of Applied Physics 127, 245106 (2020), @2020 1.000

226. 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 в:

542. Farman, Shelan A., et al. "The Impact of Nanomaterials on Fabrication Silicon Solar Cells by Pulsed Laser Deposition." Nano Hybrids and Composites, vol. 30, Trans Tech Publications, Ltd., Nov. 2020, pp. 41–54. Crossref, doi:10.4028/www.scientific.net/nhc.30.41., @2020 [Линк](#) 1.000
543. Hao Lu, Song Fang, Jundie Hu, Bo Chen, Run Zhao, Huishu Li, Chang Ming Li and Jinhua Ye. "Fabrication of a TiO₂/Fe₂O₃ Core/Shell Nanostructure by Pulse Laser Deposition toward Stable and Visible Light". Photoelectrochemical Water Splitting, ACS Omega 2020, 5, 31, 19861–19867, @2020 [Линк](#) 1.000
544. Retno Asih, Malik Anjelh Baqiya, Yoyok Cahyono, Darminto. "Biomass-derived Carbon Compounds and their Potential Application for Electronic and Magnetic Materials". Book: Pure and Functionalized Carbon Based Nanomaterials, p. 1-22, ISBN 9781351032308, @2020 [Линк](#) 1.000
545. Saeid Movahed, Alexander K Nguyen, Peter L Goering, Shelby A Skoog, Roger J Narayan. "Argon and oxygen plasma treatment increases hydrophilicity and reduces adhesion of silicon-incorporated diamond-like coatings". Biointerphases 2020 Jul 31;15(4):041007., @2020 [Линк](#) 1.000
546. Wenjun Yin, Duo Dong, Yongsheng Zhang, Tao Wang, Jiawei Wang, Carlos E.Romero, Wei-ping Pan. "Effect of annealing temperature on the continuity and conductivity of coal-based carbon films prepared by ball milling". Applied Surface Science Volume 510, 30 April 2020, 145411, @2020 [Линк](#) 1.000

227. **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 в:

547. Jingwen Li. "A review: Development of novel fiber-optic platforms for bulk and surface refractive index sensing applications", Sensors and Actuators Reports 2 (2020) 100018, @2020 1.000

228. **Georgiev, A.**, **Dimov, D.**, **Stoilova, A.**, Markova, F, **Nazarova, D.** Vapour deposited nanocomposite films of perylene bis azo-imides with improved photoresponsiveness by visible light. Optical Materials, 89, Elsevier, 2019, DOI:https://doi.org/10.1016/j.optmat.2018.12.050, 5-13. JCR-IF (Web of Science):2.687

Цитира се в:

548. Dilek Çanakçı, Synthesis, Spectroscopic, Thermodynamics and Kinetics Analysis Study of Novel Polymers Containing Various Azo Chromophore, Nature Scientific Reports 10, (2020) 477., @2020 [Линк](#) 1.000
549. Rostami-Tapeh-Esmail, E., Golshan, M., Salami-Kalajahi, M., Roghani-Mamaqani, H. "Perylene-3, 4, 9, 10-tetracarboxylic diimide and its derivatives: Synthesis, properties and bioapplications", Dyes and Pigments, 180, 2020, art. no. 108488, @2020 [Линк](#) 1.000

229. Milenov, T., Nikolov, A., Avdeev, G., Avramova, I., Russev, S., **Karashanova, D.**, Kostadinov, I., **Georgieva, B.**, Mladenoff, J., Balchev, I., Stankova, N., Kolev, S., Valcheva, E.. Synthesis of Graphene-like Phases in a Water Colloid by Laser Ablation of Graphite. Materials Science and Engineering B, 247, Elsevier, 2019, ISSN:0921-5107, 114379. ISI IF:3.507

Цитира се в:

550. Mouane O., Sideras-Haddad E., Wamwangi D., (...), Mwakikunga B., Gkanetsos T. "Formation of monodispersed carbon nanospheres by pulsed laser irradiation of HOPG". 2020 Materials Chemistry and Physics, 253, art. no. 123269., @2020 [Линк](#) 1.000

230. Nedyalkov, N, Koleva, M, Stankova, N, Nikov, R, Dikovska, A, Aleksandrov, L, Iordanova, R, Atanasova, G, **Karashanova, D**, Grochowska, K, Sliwinski, G. All optical formation and decomposition of silver nanoparticles in glass. Applied Surface Science, 495, ELSEVIER SCIENCE SA, PO BOX 564, 1001 LAUSANNE, SWITZERLAND, 2019, ISSN:0169-4332, DOI:Article number 143546, 1-8. SJR (Scopus):1.115, JCR-IF (Web of Science):5.155

Цитира се в:

551. Ahmadi, Fahimeh. Ebrahimpour, Zeinab. Asgari, Asghar. El-Mallawany, Raouf. "Role of silver/titania nanoparticles on optical features of Sm³⁺ doped sulfophosphate glass". Optical Materials 105, 2020, 109922. DOI: 10.1016/j.optmat.2020.109922, @2020 [Линк](#) 1.000
552. Goekce, Bilal. Filipescu, Mihaela. Barcikowski, Stephan. "Recent progress in laser materials processing and synthesis". APPLIED SURFACE SCIENCE 513, 2020, 145762. DOI: 10.1016/j.apsusc.2020.145762, @2020 [Линк](#) 1.000

231. 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 в:

553. Nozomi Nishizawa, Bassam Al-Qadi, Takahiro Kuchimaru. "Angular optimization for cancer identification with circularly polarized light". 1.000
<https://arxiv.org/ftp/arxiv/papers/2012/2012.03263.pdf> (2020), @2020 [Линк](#)
232. 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 в:
554. Pradeep Puligundlaq, Chulkyoon Mok, Sungkwo Park. "Advances in the valorization of spent brewer's yeast". Innovative Food Science & Emerging Technologies Volume 62, June 2020, 102350, @2020 [Линк](#)
233. 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
Цитира се в:
555. Ahmadi, Fahimeh. Ebrahimpour, Zeinab. Asgari, Asghar. El-Mallawany, Raouf. "Role of silver/titania nanoparticles on optical features of Sm³⁺ doped sulfophosphate glass". Optical Materials 105, 2020, 109922. DOI: 10.1016/j.optmat.2020.109922, @2020 [Линк](#)
556. Boudjahem, AG. Boulbazine, M. Derdare, M. "Electronic and Magnetic Properties of Small Nickel Clusters and Their Interaction with CO Molecule". J Supercond Nov Magn (2020). <https://doi.org/10.1007/s10948-020-05720-x>, @2020 [Линк](#)
557. Fathi, A. M. Ahmed, M. K. Affi, M. Menazea, A. A. Uskoković, Vuk. "Taking Hydroxyapatite-Coated Titanium Implants Two Steps Forward: Surface Modification Using Graphene Mesolayers and a Hydroxyapatite-Reinforced Polymeric Scaffold" ACS Biomater. Sci. Eng. 2020, XXXX, XXX, XXX-XXX, <https://doi.org/10.1021/acsbomaterials.0c01105>, @2020 [Линк](#)
558. Menazea, A.A. Abdelbadie, Sahar. A. Ahmed, M.K. "Manipulation of AgNPs coated on selenium/carbonated hydroxyapatite/ ϵ -polycaprolactone nano-fibrous via pulsed laser deposition for wound healing applications", Applied Surface Science, 508, 2020, 145299. <https://doi.org/10.1016/j.apsusc.2020.145299>., @2020 [Линк](#)
234. **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
Цитира се в:
559. Magnan, Romain. Oxyde transparent conducteur de ZnO: V à partir d'une cible de nanoparticules: de l'ablation par laser pulsé à un procédé de décharge à barrière diélectrique double fréquence à pression atmosphérique. Diss. Université de Perpignan; Institut national de la recherche scientifique (Québec, province), 2020., @2020 [Линк](#)
235. **Marinova, V**, Shiuani 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
Цитира се в:
560. L. J. Prokopeva, D. Wang, Z. A. Kudyshev and A. V. Kildishev, "Computationally Efficient Surface Conductivity Graphene Model for Active Metadevices," IEEE Transactions on Antennas and Propagation, vol. 68, no. 3, pp. 1825-1835 (2020), @2020
561. M. Isik, S. Delice, H. Nasser, N.M. Gasanly, N.H. Darvishov, V.E. Bagiev "Optical characteristics of Bi₁₂SiO₂₀ single crystals by spectroscopic ellipsometry" Materials Science in Semiconductor Processing, Vol. 120, 105286 (2020), @2020
562. M. Isik, S. Delice, N. M. Gasanly, N. H. Darvishov & V. E. Bagiev "Temperature-tuned bandgap characteristics of Bi₁₂TiO₂₀ sillenite single crystals" Journal of Materials Science: Materials in Electronics (2020), @2020 [Линк](#)
563. Prayas Singh, Pankaj Chamoli, Surbhi Sachdev, K.K. Raina, Ravi K. Shukla "Structural, optical and rheological behavior investigations of graphene oxide/glycerol based lyotropic liquid crystalline phases" Applied Surface Science, Volume 509, 144710 (2020), @2020 [Линк](#)
236. **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:<https://doi.org/10.1016/j.optmat.2018.07.010>, 16-23. JCR-IF (Web of Science):2.687
Цитира се в:
564. Ahmad, A. A., Alsaad, A. M., Al-Bataineh, Q. M., Al-Akhras, M.-A. H., Albataineh, Z., Alizy, K. A., & Daoud, N. S. "Synthesis and characterization of ZnO NPs-doped PMMA-BDK-MR polymer-coated thin films with UV curing for optical data storage applications". Polymer Bulletin. doi:10.1007/s00289-020-03155-x, 2020, @2020 [Линк](#)
565. Alsaad, A.M., Al-Bataineh, Q.M., Telfah, M., Ahmad, A.A., Albataineh, Z., Telfah, A. "Optical properties and photo-isomerization processes of PMMA-BDK-MR nanocomposite thin films doped by silica nanoparticles." Polymer Bulletin (2020). <https://doi.org/10.1007/s00289-020-03273-6>, @2020 [Линк](#)
566. Bagdatli, E., Yaman, D. "Photophysical Properties of New Pyrazolone Based Azo-Compounds". Journal of Fluorescence, Volume 30, Issue 1, Pages 51-61 (2020). doi: 10.1007/s10895-019-02469-y, @2020 [Линк](#)

567. Lidiana M. Silva, Daniel L. Silva, Mariana V. Boas, Yann Bretonniere, Chantal Andraud and Marcelo G. Vivas. "Probing the high performance of photoinduced birefringence in V-shaped azo/PMMA guest–host films". RSC Advances, vol. 10, pp. 40806-40814, 2020. (DOI: 10.1039/D0RA08379H), @2020 [Линк](#) 1.000
568. Mishra, V.R., Ghanavatkar, C.W., Shukla, V.K., Sekar, N., "Effect of substituent on photostability and lightfastness of azo dye and their photodegradation mechanism - Mechanistic study using density functional theory", Computational Chemistry Methods: Applications, 2020, pp. 115-130., @2020 [Линк](#) 1.000
569. Qais M. Al-Bataineh, A. A. Ahmad, A. M. Alsaad, I. A. Qattan, Areen A. Bani-Salameh and Ahmad D. Telfah. "Kinematics of Photoisomerization Processes of PMMA-BDK-MR Polymer Composite Thin Films", Polymers, vol. 12, art. no. 1275. DOI: 10.3390/polym12061275, @2020 [Линк](#) 1.000
570. R. Gester, A. Torres, C. Bistafa, R.S. Araújo, T.A. da Silva, V. Manzoni. "Theoretical study of a recently synthesized azo dyes useful for OLEDs". Materials Letters, Volume 280, Article number 128535 (2020). DOI: https://doi.org/10.1016/j.matlet.2020.128535, @2020 [Линк](#) 1.000
571. V. N. Ovdenco, V. V. Multian, A. Uklein, I. Kulai, A. Kolendo and V. Ya. Gayvoronsky. "Novel efficient nonlinear optical azo- and azomethine polymers containing antipyrine fragment: synthesis and characterization". J. Mater. Chem. C, Volume 8, Issue 26, Pages 9032-9045, 2020, DOI: 10.1039/D0TC01657H, @2020 [Линк](#) 1.000
572. Vinh Trung Phan, Thuy Thi Ngoc Vo, Khanh Duy Nguyen, Trang Thuy Phuong Do, Dat Tat Nguyen, Anh Thi Quynh Le, Dat Thanh Huynh. "Co-doping effect of Amaranth and EDTA on bulk growth, optical, structural properties and second harmonic generation of KDP crystals grown by Sankaranarayanan-Ramasamy (SR) technique". Optical Materials, vol. 105 (2020) art. no. 109894 (https://doi.org/10.1016/j.optmat.2020.109894), @2020 [Линк](#) 1.000
573. X. Zhang, B. Xia, X.-Y. Li, K.-Y. Ji, S.-M. Zhang, Q.-L. Wang. "Rational combination of azo moiety and pyridine radical for the construction of photochromic metal-organic frameworks". Journal of Solid State Chemistry, Volume 287, Article number 121374 (2020), doi: https://doi.org/10.1016/j.jssc.2020.121374., @2020 [Линк](#) 1.000
237. 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 в:
574. Al-Khuzai, M.G.A., Al-Majidi, S.M.H., "Synthesis and characterization of new azo compounds linked to 1, 8-naphthalimide as new fluorescent dispersed dyes for cotton fibers", AIP Conference Proceedings, 2290, 2020, art. no. 0027354, ,, @2020 [Линк](#) 1.000
575. Al-Khuzai, M.G.A., Al-Majidi, S.M.H., "Synthesis and Characterization of New Azo Compounds Linked to 1, 8-Naphthalimide as New Fluorescent Dispersed Dyes for Cotton Fibers", Journal of Physics: Conference Series, 1664 (1), 2020, art. no. 012065, @2020 [Линк](#) 1.000
576. Kumar, V., Keshavayya, J., Matada, M.N., Srinivasa, S.M., Rangappa, S., "Synthesis, Characterization and Biological Potency of Butyl-Pyridone Based Azo Dyes", ChemistrySelect, 5 (18), 2020, pp. 5460-5464., @2020 [Линк](#) 1.000
238. 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 в:
577. Maša Buljac, Denis Krivičlana Škugor Rončević Marijo Buzuk. "Voltammetric behaviour and amperometric sensing of hydrogen peroxide on a carbon paste electrode modified with ternary silver-copper sulfides containing intrinsic silver". Monatshefte fuer Chemie/Chemical Monthly, @2020 [Линк](#) 1.000
578. Nguyen, TMT. Huynh, TTT. Dang, HCH. Mai, DT. Nguyen, TTN. Nguyen, DT. Dang, VS. Nguyen, Trinh-Duy. Nguyen, Thanh-Danh. "Novel biogenic silver nanoparticles used for antibacterial effect and catalytic degradation of contaminants". Research on Chemical Intermediates 1-16, 2020, DOI 10.1007/s11164-019-04075-w, @2020 [Линк](#) 1.000
579. Omran B.A. (2020) "Biosynthesized Nanomaterials via Processing of Different Plant Parts (Phytonanotechnology) and Biovalorization of Agro-Industrial Wastes to Nano-Sized Valuable Products". In: Nanobiotechnology: A Multidisciplinary Field of Science. Nanotechnology in the Life Sciences. Springer, Cham. http://doi-org-443.webvpn.fjmu.edu.cn/10.1007/978-3-030-46071-6_5, @2020 [Линк](#) 1.000
580. Van-Dat Doan, Bao-An Huynh, Thanh-Danh Nguyen, Xuan-Thang Cao, Van-Cuong Nguyen, Thi Lan-Huong Nguyen, Hoai Thuong Nguyen, and Van Thuan Le. "Biosynthesis of Silver and Gold Nanoparticles Using Aqueous Extract of Codonopsis pilosula Roots for Antibacterial and Catalytic Applications". Hindawi Journal of Nanomaterials Volume 2020, Article ID 8492016, 18 pageshttps://doi.org/10.1155/2020/8492016, @2020 [Линк](#) 1.000
581. Van-Dat Doan, Minh-Tan PhungThi Lan-Huong Nguyen, Thanh-Danh Nguyen Thanh-Danh Nguyen. "Noble metallic nanoparticles from waste Nypa fruticans fruit husk: Biosynthesis, characterization, antibacterial activity and recyclable catalysis". August 2020 Arabian Journal of Chemistry, DOI: 10.1016/j.arabjc.2020.08.024, @2020 [Линк](#) 1.000
239. Nesheva, D, Babeva, T, Vasileva, M, Valdez-Salas, B, Dzhurkov, V, Grujic-Brojcin, M, Scepanovic, M, Perez, O, Nedev, N, Curiel, M, Sreckovic, T. Phase characterization and ethanol adsorption in TiO2 nanotubes anodically grown on Ti6Al4V alloy substrates. Journal of Alloys and Compounds, 798, Elsevier, 2019, DOI:10.1016/j.jallcom.2019.05.247, 394-402. JCR-IF (Web of Science):4.175

Цитира се в:

582. Sivaprakash, V., Narayanan, R. Anodic Synthesis of TiO₂ Nanotubes Influence of Water Content and the Analysis of the Nano-Mechanical Application. J Bio Tribo Corros 6, 105 (2020), @2020 1.000

240. 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:

583. Nozomi Nishizawa, Bassam Al-Qadi, Takahiro Kuchimaru. "Angular optimization for cancer identification with circularly polarized light". 1.000
<https://arxiv.org/ftp/arxiv/papers/2012/2012.03263.pdf> (2020), @2020 [Линк](#)

2020

241. 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:

584. Lei Zhang, Lei, ; Wu, Xiaoming, ; Lyu, Shuaifeng, ; Shen, Penglei, ; Liu, Lulu, ; Mou, Yongzhong, ; Sun, Yujie. "Experimental study on the influence of coal powders on the performance of water-based polymer drilling fluid". Energy Exploration & Exploitation, 38, 5, 1515-1534, 2020, @2020 [Линк](#) 1.000

585. Petrovic, B., Gorbounov, M., Soltani, S.M. "Influence of surface modification on selective CO₂ adsorption: A technical review on mechanisms and methods". Microporous and Mesoporous Materials, 110751, 2020., @2020 [Линк](#) 1.000

242. 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:

586. Bandarenka, Hanna V. Khinevich, Nadzeya V. Burko, Aliaksandr A. Redko, Sergey V. Zavatski, Siarhei A. Shapel, Uladzislau A. Mamatkulov, Kahramon Z. Vorobyeva, Maria Yu. Arzumanyan, Grigory M. "3D Silver Dendrites for Single-molecule Imaging by Surface-enhanced Raman Spectroscopy". CHEMNANOMAT. DOI: 10.1002/cnma.202000521, @2020 [Линк](#) 1.000

587. Li, Hongji. Ren, Chuqi. Meng, Jingjing. Gao, Yan. Ren, Tong. Li, Yue. Qiao, Yu. Liu, Chunbo. Che, Guangbo. "Multifunction Sandwich Composite SERS Imprinted Sensor Based on ZnO/GO/Ag for Selective Detection of Cyfluthrin in River". CHEMISTRYSELECT, 5 (21), 2020, 6475-6481. DOI: 10.1002/slct.202001155, @2020 [Линк](#) 1.000

588. Lim, Fang Sheng. Tan, Sin Tee. Zhu, Yuanmin. Chen, Jih-Wei. Wu, Bao. Yu, Hao. Kim, Jung-Mu. Ginting, Riski Titian. Lau, Kam Sheng. Chia, Chin Hua. Wu, Heng An. Gu, Meng. Chang, Wei Sea. "Tunable Plasmon-Induced Charge Transport and Photon Absorption of Bimetallic Au-Ag Nanoparticles on ZnO Photoanode for Photoelectrochemical Enhancement under Visible Light". JOURNAL OF PHYSICAL CHEMISTRY C 124 (26), 2020, 14105-14117. DOI: 10.1021/acs.jpcc.0c03967, @2020 [Линк](#) 1.000

243. Nikov, RoG, Nedyalkov, NN, Karashanova, DB. Laser ablation of Ni in the presence of external magnetic field: Selection of micro-sized 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:

589. Wawrzyniak, Jakub. Karczewski, Jakub. Ryl, Jacek. Grochowska, Katarzyna. Siuzdak, Katarzyna. "Laser-Assisted Synthesis and Oxygen Generation of Nickel Nanoparticles". Materials 13 (18), 2020, 4068., @2020 [Линк](#) 1.000

244. 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:

590. Product manual: CytoSelect™ 24-Well Wound Healing Assay, Trial Size, Cell Biolabs, Inc., 2020, @2020 [Линк](#) 1.000

245. 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:

591. Sompalli, N.K., Deivasigamani, P., Structurally designed porous polymer monoliths as probe-anchoring templates as benign and fast responsive solid-state optical sensors for the sensing and recovery of copper ions, (2020) Nanotechnology, 31 (41), art. no. 414004, DOI: 10.1088/1361-6528/ab9e2a, ISSN: 09574484, @2020 [Линк](#) 1.000

246. 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:

592. Buczek, Aneta; Staś, Monika; Hebenstreit, Christian; Maller, Corina; Broda, Małgorzata A.; Kupka, Teobald; Kelterer, Anne-Marie. 1.000 "Interaction of 5-fluorouracil with β -cyclodextrin: A density functional theory study with dispersion correction". Int J Quantum Chem.; e26487. <https://doi.org/10.1002/qua.26487>, 2020, @2020 [Линк](#)
593. Nazerdeylami, Samaneh; Ghasemi, Jahan B.; Amiri, Ahmad; Ziarani, Ghodsi Mohammadi; Badiei, Alireza . "A highly sensitive fluorescence measurement of amphetamine using 8-hydroxyquinoline- β -cyclodextrin grafted on graphene oxide", Diamond and Related Materials, Volume 109, 108032, 2020, @2020 [Линк](#) 1.000
594. Puentes Parra, Alexander. "Desarrollo de un complejo de inclusión molecular de fármacos a partir de almidón nativo". Master thesis, Universidad Nacional de Colombia - Sede Bogotá, 2020, @2020 [Линк](#) 1.000
247. 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:

595. Chen, M.-I., Singh, A.K., Chiang, J.-L., Horng, R.-H., Wu, D.-S. "Zinc gallium oxide—a review from synthesis to applications". 1.000 Nanomaterials 10(11), 2208, pp. 1-37, 2020, @2020
248. 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:

596. Shriwastawa, Aprajita and Srivastava, Satyajee, Holography: CGH - a New Approach Towards Internet of 2030 (May 14, 2020). 2nd International Conference on Communication & Information Processing (ICCIIP) 2020, Available at SSRN: <https://ssrn.com/abstract=3647960> or <http://dx.doi.org/10.2139/ssrn.3647960>, @2020 [Линк](#) 1.000
249. 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:

597. Tsvetanka Babeva "Special Issue: "Optical Thin Films and Structures: Design and Advanced Applications" Coatings, 10(11), 1140 (2020), @2020 1.000
598. Yamín Ramírez-Esquivel, Dalia Alejandra Mazón-Montijo, Dagoberto Cabrera-German, Eduardo Martínez-Guerra, Zeuz Montiel-González. "Atomic layer deposition supercycle approach applied to the Al-doping of nearly saturated ZnO surfaces". Ceramics International (2020), @2020 1.000
250. **Georgiev, A.**, Yordanov, D, **Dimov, D.**, **Zhivkov, I.**, **Nazarova, D.**, Weiter, M. Azomethine phthalimides fluorescent E \rightarrow 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:

599. Kumar, J., Kumar, N., Hota, P.K. "Optical properties of 3-substituted indoles" RSC Advances, 10 (47), 2020, pp. 28213-28224, @2020 [Линк](#) 1.000
251. **Georgiev, A.**, Antonov, L. 8-(Pyridin-2-yl)quinolin-7-ol as a Platform for Conjugated Proton Cranes: A DFT Structural Design. Micromachines, 11, MDPI, 2020, DOI:[doi:10.3390/mi11100901](https://doi.org/10.3390/mi11100901), 901. SJR (Scopus):0.53, JCR-IF (Web of Science):2.523

Цитира се:

600. Takinoue, M., Kawano, R., "Editorial on the special issue on recent advances of molecular machines and molecular robots", Micromachines, 11 (12), 2020, art. no. 1031, pp. 1-2, @2020 [Линк](#) 1.000
252. **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):0.62, JCR-IF (Web of Science):2.125

Цитира се:

601. Zhiyun Huang, Chenhao Wu, Yuxin Chen, Xiao Lin, and Xiaodi Tan. "Faithful reconstruction in orthogonal elliptical polarization holography read by different polarized waves". Optics Express, Vol. 28, No. 16 (3 August 2020), pp. 23679-23689, 2020. <https://doi.org/10.1364/OE.399704>, @2020 [Линк](#) 1.000

253. 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 в:](#)

602. Francesco Scotognella, Giuseppe M. Paternò, Ilka Kriegel, Silvio Bonfadini, Liliana Moscardi, Luigino Criante, Stefano Donini, Davide Ariodanti, Maurizio Zani, Emilio Parisini, Guglielmo Lanzani "Ultrafast photochromism and bacteriochromism in one dimensional hybrid plasmonic photonic structures" Proceedings Volume 11357, Fiber Lasers and Glass Photonics: Materials through Applications II; 113571G (2020) <https://doi.org/10.1117/12.2559455>, @2020 [Линк](#) 1.000

254. 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 в:](#)

603. Katarzyna Lenczewska, Maciej Ptak, Vitalii Boiko, Karolina Ledwa, Dariusz Hreniak "Energy transfer study in GdVO4: Bi³⁺, Yb³⁺ obtained by microwave-assisted hydrothermal method" Journal of Alloys and Compounds, 158393, Available online 18 December (2020), @2020 1.000

2021

255. Solovjov A L, Petrenko E V, Omelchenko L V, Nazarova E, Buchkov K, Rogacki K. Fluctuating Cooper pairs in FeSe at temperatures exceeding double T_c. Superconductor Science and Technology, 31, 1, IOP, 2021, ISSN:0953-2048, DOI:<https://doi.org/10.1088/1361-6668/abc2ac>, 015013. SJR (Scopus):0.991, JCR-IF (Web of Science):3.07

[Цитира се в:](#)

604. Hiroyuki Tajima, Pierbiagio Pieri, Andrea Perali. "Hidden Pseudogap and Excitation Spectra in a Strongly Coupled Two-Band Superfluid/Superconductor", arXiv:2012.12647, @2020 [Линк](#) 1.000
605. Hiroyuki Tajima, Yuriy Yerin, Pierbiagio Pieri and Andrea Perali "Mechanisms of screening or enhancing the pseudogap throughout the two-band Bardeen-Cooper-Schrieffer to Bose-Einstein condensate crossover", PHYSICAL REVIEW B 102, 220504(R) (2020), @2020 [Линк](#) 1.000