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Студия в тематичен сборник

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1. Chornaja, S, Zhizhkuna, S, Jankovica, D, Karashanova, D, Dubencovs, K, Stepanova, O, Kampars, V, Poikane, G. Synthesis and study of Au/TiO₂ and Au/CeO₂ nanocomposites for their physical properties and catalytic activity. IOP Conference Series: Materials Science and Engineering, 77, 1, IOP, 2015, ISSN:1757-8981, DOI:10.1088/1757-899X/77/1/012008, 1 - 5. SJR:0.146
2. 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. Physica Status Solidi (A) Applications and Materials Science, 212, 1, Wiley-VCH Verlag, 2015, ISSN:1862-6300, DOI:10.1002/pssa.201431492, 189 - 193. ISI IF:1.61
3. E.Stoykova, N. Berberova, D. Nazarova, A. Gotchev. Intensity-based pointwise processing in dynamic laser speckle analysis. IEEE 11th conference Lasers and Electro-Optics Pacific Rim (CLEO-PR), 2, IEEE, 2015, DOI:10.1109/CLEOPR.2015.7376008, 1 - 2. SJR:0.1
4. Georgiev, A, Yordanov, D, Dimov, D, Assa, J, Spassova, E, Danev, G. Spectroscopic investigation of different concentrations of the vapour deposited copper phthalocyanine as a "guest" in polyimide matrix. Spectrochim Acta A Mol Biomol Spectrosc, 140, Elsevier, 2015, ISSN:13861425, DOI:10.1016/j.saa.2015.01.010, 444 - 450. ISI IF:2.353
5. 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, ISI IF:0.862
6. Hong, S, Stoykova, E, Kang, H, Kim, Y, Hong, J, Park, J, Park, J. Image-Quality Enhancement for a Holographic Wavefront Color Printer by Adaptive SLM Partitioning. Journal of Optical Society of Korea (JOSK), 19, OSA publishing, 2015, ISSN:1226-4776, 29 - 37. ISI IF:1.179
7. 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. ISI IF:3.84
8. Kang, H, Stoykova, E, Kim, Y M, Hong, S H, Park, J S, Hong, J S. Color wavefront printer with mosaic delivery of primary colors. Optics Communications, 350, 2015, ISSN:0030-4018, 47 - 55. ISI IF:1.449

9. Kang, H, Stoykova, E, Kim, Y, Hong, S, Park, J, Hong, S. 3D color holographic imaging by wavefront printing (invited). IEEE 11th conference Lasers and Electro-Optics Pacific Rim (CLEO-PR), 4, IEEE, 2015, ISBN:978-1-4673-7109-4, DOI:10.1109/CLEOPR.2015.7376358, 1 - 2. SJR:0.1
10. Karteva, E, Manchorova, N, Pashkuleva, D, Babeva, T. 3D TOPOGRAPHY OF THE FRACTURE LINE IN ENDODONTICALLY TREATED TEETH. Scientific Research of the Union of Scientists in Bulgaria – Plovdiv, series G. Medicine, Pharmacy and Dental medicine, XVII, 2015, ISSN:ISSN 1311-9427, 171 - 174
11. 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
12. Kitova, S, Stoyanova, D, Dikova, J, Kadinska, M, Vasilev, A, Mankov, V. Optical modeling of organic solar cells with standard and inverted structure, based on squaraine dye as electron donor. Nanoscience&Nanotechnology, 15, 2, 2015, ISSN:13138995, 19 - 23
13. 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:<http://dx.doi.org/10.1155/2015/238981>, 238981-1 - 238981-8. ISI IF:1.563
14. 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
15. Lazarova, K, Georgieva, B, Spassova, M, Babeva, T. Thin Niobia Films with tailored pore structure for sensing applications. , 15, Nanoscience & Nanotechnology, 2015, ISSN:13138995, 28 - 31
16. Lin, L K, Lin, S H, Marinova, V, Hsu, K Y. Demonstration of a In-line Polarization Holographic Memory System using PQ/PMMA photopolymer. International Workshop on Holography and related technologies (IWH 2015), Technical Digest paper We5-P4, 2 pages, invited, 2015
17. Lin, L K, Lin, S H, Marinova, V, Hsu, K Y. Study on Volume Polarization Holographic Recording in PQ/PMMA for Optical Memory. OPTIC 2015, Proceeding of Optics and Photonics Taiwan paper P0401-P001; 2 pages, 2015
18. Lin, S H, Marinova, V, Hsu, K Y. Novel holographic recording in phenanthrenequinone-doped poly(methyl methacrylate) photopolymer. International Workshop on Holography and related technologies (IWH 2015), Technical Digest paper Tu1-3, 2 pages, invited, 2015
19. Lozanova, V, Todorov, R. Microstructure and Optical Properties of Thermally Evaporated Very Thin Silver Films. Bulgarian Chemical Communication, 47, B, 2015, ISSN:0324-1130, 55 - 59. SJR:0.156, ISI IF:0.349
20. Marinova V, Shiuan Huei Lin, Yi Hsin Lin, Ken Y. Hsu. Hybrid organic-inorganic holographic elements. International Workshop on Holography and related technologies, Technical Digest, 2015, Tu1-1 - Tu1-3

21. Marinova, V, Chi, C H, Lin, S H, Liu, R C, Hsu, K Y. A novel type of all optically addressed spatial light modulator for holographic display. Proceeding of International Symposium of Display Holography (ISDH), ITMO University, 2015
22. Marinova, V, Liu, R C, Chen, M S, Lin, S H, Lin, Y H, Hsu, K Y. All optically controlled light valve assembled by photorefractive crystal and PDLC hybrid structure. SPIE, 9508, 2015, ISSN:0091-3286, DOI:10.1117/12.2178985, ISI IF:2.859
23. Marinova, V, Liu, R C, Tong, Z F, Lai, Y C, Chen, M S, Lin, S H, Lin, Y H, Yu, P, Chi, G C, Hsu, K Y. Hybrid light valve device with graphene-based electrodes. Proceeding of Optics and Photonics Taiwan paper S0403-O002; 2 pages, 2015
24. Marinova, V, Liu, R C, Tong, Z F, Lin, S H, Hsu, K Y. All-Optically Controlled Hybrid Structure Assembled by Bi₁₂SiO₂₀ Crystal and PDLC Layer. Proceeding of Optics and Photonics Taiwan paper P0401-P018; 2 pages, 2015, S0403 - S0405
25. Marinova, V, Ren Chung Liu, Yi Hsin Lin, Ken Yuh Hsu. Rh-doped Bi₁₂TiO₂₀ photorefractive crystals and their applications in near infrared sensitive light valve device. Asian Journal of Physics, 24, 2, 2015, ISSN:0971-3093, 275 - 282
26. Nedelchev, L, Nazarova, D, Mateev, G, Berberova, N. Birefringence induced in azopolymer (PAZO) films with different thickness. Proc. of SPIE, 9447, Bellingham, Wash. : SPIE, 2004, 2015, ISSN:0277-786X, DOI:10.1117/12.2176158, 94471I-1 - 94471I-7. SJR:0.212
27. Nikolov, A S, Nikov, R G, Nedyalkov, N N, Koutzarova, T I, Alexandrov, M T, Karashanova, D B, Ristoscu, C, Mihailescu, I N. Influence of the scanning conditions on the characteristics of the nanostructures fabricated by laser ablation in liquid. Proceedings of SPIE, 9447, SPIE-INT SOC OPTICAL ENGINEERING, 2015, ISSN:0277-786X, DOI:10.1117/12.2175651, 94470L-1 - 94470L-8. ISI IF:0.2
28. Nikov, R G, Nedyalkov, N N, Nikolov, A S, Atanasov, P A, Alexandrov, M T, Karashanova, D B. Formation of bimetallic nanoparticles by pulsed laser ablation of multicomponent thin films in water. Proceedings of SPIE, 9447, SPIE-INT SOC OPTICAL ENGINEERING, 2015, ISSN:0277-786X, DOI:10.1117/12.2175638, 94470M-1 - 94470M-7. ISI IF:0.2
29. Park, J, Hong, S, Stoykova, E, Kim, Y, Hong, J, Choi, S, Kang, H. Content creation software for digital holograms and multi-view displays. Global 3D Technology Forum 2015 Digest, 2015, 101 - 102
30. Petrov, M, Lovchinov, K, Nichev, H, Karashanova, D, Dimova-Malinovska, D. Structural and optical properties of electrochemically deposited nanostructured zno arrays on different conductive substrates. NATO Science for Peace and Security Series A: Chemistry and Biology, 39, Springer Verlag, 2015, ISSN:1874-6489, DOI:10.1007/978-94-017-9697-2_15, 151 - 158. SJR:0.105
31. Serga, V, Maiorov, M, Kulikova, L, Krumina, A, Karashanova, D. Synthesis and properties of magnetic iron oxide/platinum nanocomposites. IOP Conference Series: Materials Science and Engineering, 77, 1, IOP, 2015, ISSN:1757-8981, DOI:10.1088/1757-899X/77/1/012014, 1 - 5. SJR:0.146
32. Spasov, G S. Coincidence of the electron and ion beams at Auger profiling in microelectronics. Annual Journal of Electronics, 9, 2015, ISSN:1314-0078, 208 - 211

33. Spasov, G S. Electron probe microanalyses in Auger electron spectroscopy. Annual Journal of Electronics, 9, 2015, ISSN:1314-0078, 2012 - 2015
34. 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
35. 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:3.488
36. Stoykova, Elena, Berberova, Nataliya, Nikova, Tania. Dynamic laser speckle measurement with enhanced visualization of activity map. SPIE Proceedings, 9447, International Society for Optics and Photonics, 2015, DOI:10.1117/12.2176147, 94471H - 94478H. ISI IF:0.2
37. Todorov, R, Lozanova, V, Lalova, A. Optical Properties of Thin Ag/As-S-Ge Films. Bulgarian Chemical Communication, 47, B, 2015, ISSN:0324-1130, 40 - 43. SJR:0.156, ISI IF:0.349
38. Tong, Z F, Lin, S H, Marinova, V, Chen, M S, Lin, Y H, Lai, Y C, Yu, P, Hsu, K Y. Graphene-based liquid crystal device fabricated by photo alignment technique. International Workshop on Holography and related technologies (IWH 2015), Technical Digest paper We5-P4, 2 pages, 2015, We5-P14 - WE5-P16
39. 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
40. Černošková, E, Hejdová, M, Černošek, Z, Holubová, J, Todorov, R, Vlček, M. Vybraná skla systému Ge-Se-Te. Proc. of 37th Mezinárodní český a slovenský Kalorimetrický seminář, 2015, ISBN:978-80-7395-899-2, 125 - 129
41. Георги Спасов. "Изследване на микроелектронни структури и компоненти с електронна оже спектроскопия". , Издателство на БАН „Проф. Марин Дринов“, 2015, ISBN:978-954-322-843-0, 151
42. Даскалова, Д, Благоева, Б, Назърова, Д. Голямо фотоиндуцирано двулучепречупване, наблюдавано в широк спектрален диапазон в аморфен азополимер. "Научни трудове", 39, Университетско издателство "Паисий Хилендарски", 2015, ISSN:0861-0029
43. Десислава Костадинова. "Подготвяне и охарактеризиране на метални катализатори с подложка от нанокомпозити, получени от метални колоиди и двусловни хидрооксиди (dcx)". , Издателство на БАН „Проф. Марин Дринов“, 2015, ISBN:978-954-322-842-3, 168
44. Деян Димов. "Енергетично стимулиране при формирането на тънки вакуумно отложени полиимидни слоеве". , Издателство на БАН „Проф. Марин Дринов“, 2015, ISBN:978-954-322-839, 115
45. Mateev, Г, Ivanov, Д, Nedelchev, Л. Фотоиндуцирано двулучепречупване в слоеве от водоразтворим азополимер с различна дебелина. Научни трудове: Физика, 39, 4, Университетско издателство "Паисий Хилендарски", 2015, ISSN:0861-0029, 32 - 38

46. Петър Иванов. "Синтез, фотофизични свойства и приложение като допанти в органични светодиоди на нови циклометални Ir(III) комплекси". , Издателство на БАН „Проф. Марин Дринов“, 2015, ISBN:978-954-322-844-7, 108
47. Петър Шарланджиев. "Тънкослойни структури и холографски огледала – общи методи за изследване на оптичните им свойства". , Издателство на БАН „Проф. Марин Дринов“, 2015, ISBN:978-954-322-841-6, 124
48. Росен Тодоров. "Изследване измененията на оптичните свойства на тънки халкогенидни филми от системите As – S – Ge, As – S – Bi (Tl) и Ge – S – Bi (Tl)". , Издателство на БАН „Проф. Марин Дринов“, 2015, ISBN:978-954-322-845-4, 137
49. Якоб Асса. "Дотирани AgBr слоеве като регистрираща среда с висока разделителна способност". , Издателство на БАН „Проф. Марин Дринов“, 2015, ISBN:978-954-322-840-9, 161