

## Списък на всички научни публикации - публикувани

- **Звено: ( ИОМТ ) Институт по оптически материали и технологии „Академик Йордан Малиновски”**
  - **Тип на публикацията:**
    - Научна монография
    - Глава от научна монография
    - Студия в научно списание
    - Статия в научно списание
    - Статия в сборник на научен форум
    - Студия в тематичен сборник
    - Статия в тематичен сборник
    - Научно съобщение
  - **Година на публикуване:** 2017 ÷ 2017
  - **Тип записи:** Всички записи
1. **Angelov, R., Gerogieva, B., Karashanova, D.** Polystyrene films obtained from recycled waste by electrospray method for protective coatings. *Nanoscience & Nanotechnology*, 17, 2, 2017, ISSN:1313-8995
  2. **Babeva, T, Andreev, A, Grand, J, Vasileva, M, Karakoleva, E, Zafirova, B.S, Georgieva, B, Koprinarova, J, Mintova, S.** Optical fiber-Ta<sub>2</sub>O<sub>5</sub> waveguide coupler covered with hydrophobic zeolite film for vapor sensing. *Sensors and Actuators B: Chemical*, 248, Elsevier, 2017, ISSN:0925-4005, 359-366. ISI IF:4.758
  3. **Babeva, T, Vasilev, V, Gushterova, P, Amova, A, Ilexieva, G, Strashilov, V, Petkova, P.** Optical properties of chalcogenide glasses from the system As<sub>2</sub>Se<sub>3</sub>-Ag<sub>4</sub>SSe-PbTe. 19, 3-4, *Journal Of Optoelectronics And Advanced Materials*, 2017, 204-210. ISI IF:0.45
  4. **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. SJR:0.701, ISI IF:2.183
  5. **D.Z. Dimitrov, P.M. Rafailov, Y.F. Chen, C.S. Lee, R. Todorov, J.Y. Juang.** Growth and characterization of LuVO<sub>4</sub> single crystals. *Journal of Crystal Growth*, 473, 2017, 34-38. SJR:0.735, ISI IF:1.751
  6. **Dimitrov, D, Rafailov, P, Marinova, V, Babeva, T, Goovaerts, E, Chen, Y. F, Lee, C. S, Juang, J. Y.** Structural and optical properties of LuVO<sub>4</sub> single crystals. *Journal of Physics: Conf. Series*, 794, 2017, 012029. SJR:0.211
  7. **Elena Stoykova, Dimana Nazarova, Nataliya Berberova, Atanas Gotchev, Branimir Ivanov, Georgy Mateev.** DYNAMIC LASER SPECKLE METROLOGY WITH BINARIZATION OF SPECKLE PATTERNS. *Proc. of SPIE*, 10226, 102260R, SPIE, 2017, DOI:10.1117/12.2262330, 1-7. SJR:0.2
  8. **Elena Stoykova, Hoonjong Kang, Youngmin Kim, Joosup Park, Sung Hee Hong, Jisoo Hong.** 3D capture and 3D contents generation for holographic imaging. *Holographic Materials and Optical Systems, Holography, InTech*, 2017, ISBN:978-953-51-5033-6, DOI:10.5772/65904, 183-292
  9. **Georgiev Anton, Emil Bubev, Deyan Dimov, Denitsa Yancheva, Ivaylo Zhivkov, Jozef Krajčovič, Martin Vala, Martin Weiter, Maria Machkova.** 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. ISI IF:2.65

10. **Ivanov P., Petrova P., Tomova R.** SYNTHESIS OF NEW IRIDIUM (III) PHENYLPYRIDINE COMPLEX AND ITS OLED APPLICATION. *Materials, Methods & Technologies*, 11, 2017, ISSN:ISSN 1314-7269 (online), 230-237
11. **Lazarova, K.**, Awala, H, Fallah, J El, **Vasileva, M.**, Mintova, S, **Babeva, T.** Optimization of optical and sensing properties of sol-gel oxides through zeolite doping. *Bulgarian Chemical Communications*, 49, 2017, 88-94. ISI IF:0.229
12. **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
13. **Lazarova, K.**, Todorova, L, Christova, D, **Vasileva, M.**, **Georgiev, R.**, **Madjarova, V.**, **Babeva, T.** Thin films from hydrophilic poly(N,N-dimethyl acrylamide) copolymers as optical indicators for humidity. *Journal of Physics: Conference Series*, 794, 2017, 012022. SJR:0.211
14. **Marinova V.**, Dikov Ch, **Dimitrov D.** Hybrid organic/inorganic devices based on Graphene and related 2D materials". *COST Action 1402 HERALD, COST*, 2017, 22-22
15. **Marinova V.**, Lin S H, Hsu K Y. Graphene-Based Optically Addressed Spatial Light Modulators". *Applied Optics and Photonics China, AOPC 2017*, 2017, 39-42
16. **Marinova V.**, Lin S H, Hsu K Y. "Electro-optically and all optically addressed spatial light modulator devices based on organic-inorganic hybrid structures". *SPIE*, 10022, 2017, DOI:10.1117/12.2246431, 100220V-1. SJR:0.21
17. **Marinova V.**, Lin S H, Lin S H. Two-wave mixing in organic-inorganic hybrid structures for dynamic holography. *Holographic Materials and Optical Systems, InTech*, 2017, ISBN:ISBN 978-953-51-5033-6, 29
18. **Marinova V.**, Lin S H, Petrov S, Chang Chia Ming, Lin Y H, Hsu K Y. "Graphene based LC devices for near infrared image processing". *Proceeding of International Conference on Graphene Advanced Materials, ANM*, 2017, 36-39
19. **Marinova V.**, Lin S H, Petrov S, Chia Ming Chang, Lin Y H, Hsu K Y. "Graphene Based LC Devices for Near Infrared Image Processing". *Optics and Photonics International Congress 2017, Information Photonics 2017*, 2017, 21PM-2-2-21PM-2-4
20. **Marinova V.**, Su Y C, Chiou C C, Petrov S, Dikov Ch, **Dimitrov D.**, Lin S H. "Hybrid organic/inorganic devices for display applications". *Proceeding of International School and Conferences on Photonics, Photonica 2017*, 2017, 139-139
21. **Marinova V.**, Tong Z F, Petrov S, Lin S H, Chen M S, Lin Y H, Yu Peichen, Hsu K Y. Liquid crystal cell with graphene electrodes. *IOP Conf. Series: Journal of Physics: Conf. Series*, 794, 1, IOP, 2017, DOI:10.1088/1742-6596/794/1/012009, 012009. SJR:0.22
22. **Nazarova, D., Nedelchev, L., Ivanov, D., Blagoeva, B., Berberova, N., Stoykova, E., Mateev, G., Kostadinova, D.** Laser induced optically and thermally reversible birefringence in azopolymers. *Proceedings of SPIE*, 10226, SPIE, 2017, ISSN:0277-786X, DOI:10.1117/12.2262357, 1022608-1-1022608-7. SJR:0.2
23. **Nedelchev, L., Nazarova, D., Blagoeva, B., Ivanov, D., Daskalova, D., Berberova, N., Mateev, G., Kostadinova, D.** Time dependent spectral birefringence excited with laser light in azopolymers and azopolymers doped with ZnO. *Proceedings of SPIE*, 10226, SPIE, 2017, ISSN:0277-786X, DOI:10.1117/12.2262608, 1022606-1-1022606-6. SJR:0.2
24. **P Ivanov, R Tomova, P Petrova, S Stanimirov.** New cyclometalated Iridium(III) beta-dicetone complex as phosphorescent dopant in Organic light emitting devices. *J. Phys.: Conf. Ser.*, 794, IOPscience, 2017, ISSN:ISSN 1742-6596, 794 012021. SJR:0.211

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28. **Stoykova, E., Mateev, G., Nazarova, D., Berberova, N., Ivanov, B.** Pointwise intensity-based dynamic speckle analysis with binary patterns. *Proc. SPIE*, 10329, SPIE, 2017, DOI:10.1117/12.2270153, 103293Y. ISI IF:0.2
29. Ana Cenacchi Perreira, Samuel Pearson, **Dessislava Kostadinova**, Fabrice Leroux, Franck D'Agosto, Muriel Lansalot, Elodie Bourgeat-Lami, Vanessa Prévot. Nanocomposite latexes containing layered double hydroxides via RAFT-assisted encapsulating emulsion polymerization. *Polymer Chemistry*, 8, 7, The Royal Society of Chemistry, 2017, DOI:10.1039/C6PY01742H, 1233-1243. ISI IF:5.375
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31. Bojinov N, **Marinova V, Dimitrov D**. "Optical properties of atomic layer deposition prepared Al-doped ZnO for photonic applications. Proceeding of International School and Conferences on Photonic, Photonica 2017, 2017, 92-92
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34. Chiou C C, **Marinova V**, Lin S H, Hsu K Y. Flexible polymer dispersed liquid crystal based on transparent conductive electrodes. Proceeding of Optics and Photonics Taiwan, OPTICS Taiwan, 2017, 270874-270876
35. Georgiev, A, Bubev, E, **Dimov, D**, Yancheva, D, **Zhivkov, I**, Krajčovič, J, 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:j.saa.2016.12.005, 76-91. ISI IF:2.63
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37. 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. ISI IF:0.2
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