Sergey Evstropiev

List of Publications by Year in descending order

61 papers	336 citations	840776 11 h-index	996975 15 g-index
62 all docs	62 docs citations	62 times ranked	112 citing authors

#	Article	IF	Citations
1	Enhanced singlet oxygen photogeneration by bactericidal ZnOâ€“MgOâ€“Ag nanocomposites. Materials Chemistry and Physics, 2022, 276, 125204.	4.0	13
2	Eu-doped BaO-Al2O3-SiO2â˜MgF2 glass and glass ceramics. Journal of Non-Crystalline Solids, 2022, 580, 121386.	3.1	5
3	Photo-oxygenation of water media using photoactive plasmonic nanocomposites. Journal of Chemical Physics, 2022, 156, 201103.	3.0	1
4	Bactericidal properties of ZnO-SnO2 nanocomposites prepared by polymer-salt method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 264, 114877.	3.5	3
5	Synthesis and nonlinear optical properties of vanadium-doped plasticized epoxy polymer composites. Advanced Composites and Hybrid Materials, 2021, 4, 324-331.	21.1	17
6	Intermediate products of Yb:YAG laser ceramics fabrication: structural features, morphology, and luminescent properties. Research on Chemical Intermediates, 2021, 47, 3501-3514.	2.7	3
7	Modified Pechini method by PVP addition for Nd:Gd2O3 nanophosphors fabrication. Ceramics International, 2021, 47, 34307-34313.	4.8	3
8	Formation of Gd2O3:Nd3+ nanocrystals in silica microcapillary preforms and hollow-core anti-resonant optical fibers. Optical Fiber Technology, 2021, 65, 102547.	2.7	6
9	Design and fabrication of photoactive ZnO-MgO-Ag nanocomposites for medical and environmental applications. Journal of Physics: Conference Series, 2021, 2015, 012097.	0.4	0
10	Modification of the MgOâ€“Al2O3â€“TiO2â€“SiO2 Glass by Silver Diffusion for the Formation of Luminescent Molecular Clusters. Doklady Chemistry, 2021, 499, 159-162.	0.9	2
11	Synthesis of Photoactive ZnOâ€“SnO2â€“Ag(AgCl) Nanomaterials for Medical and Ecological Applications and Study of Their Structure and Properties. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT /Ov	0.7	
12	Polymerâ€“Salt Synthesis of Yb:YAG Nanopowders and Study of Their Structure and Luminescent Properties. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2021, 129, 1068-1073.	0.6	1
13	Organic phosphor based fiber-optic sensor for detection of UV radiation. Journal of Physics: Conference Series, 2021, 2086, 012155.	0.4	2
14	The Influence of Polyvinylpyrrolidone on the Structure and Optical Properties of ZnOâ€“MgO Nanocomposites Synthesized by the Polymerâ€“Salt Method. Optics and Spectroscopy (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	0.6	2
15	Synthesis and characterization of PVP/PbI2 nanocomposites. Advanced Composites and Hybrid Materials, 2020, 3, 49-57.	21.1	1
16	Photo-stimulated evolution of different structural forms of silver in solutions, composite and oxide coatings. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 403, 112858.	3.9	8
17	Photodestruction of Polyvinylpyrrolidone in Aqueous Solutions of Metal Nitrates. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2020, 128, 1873-1879.	0.6	1
18	Singlet Oxygen Generation in Microcapillary Optical Elements with Photoactive Coatings. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2020, 128, 214-219.	0.6	8

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19	Role of the interaction between forming nanocrystals and glass surface on the structure and properties of ZnO-based films. Materials Today Chemistry, 2020, 17, 100291.	3.5	2
20	Double stabilization of silver molecular clusters in thin films. Research on Chemical Intermediates, 2020, 46, 4033-4046.	2.7	5
21	Polymer-salt synthesis of Gd₂O₃:Nd³⁺ nanophosphors. Journal of Physics: Conference Series, 2020, 1695, 012184.	0.4	0
22	Ion Exchange Surface Hardening of Alkali Silicate Glass Using Composite Pastes. Glass Physics and Chemistry, 2020, 46, 510-513.	0.7	1
23	Silica-Based Optical Fiber Modified with Gd2O3:Nd3+ Nanocrystals. , 2020, , .		0
24	Comparative study of the photocatalytic and bactericidal properties of coatings based on metal oxides nanoparticles. , 2020, , .		0
25	Intensification of photodecomposition of organics contaminations by nanostructured ZnO-SnO2 coatings prepared by polymer-salt method. Chemical Engineering and Processing: Process Intensification, 2019, 142, 107587.	3.6	15
26	Photoactive Fiber-Optics Endoscope for Oncology. , 2019, , .		0
27	Antibacterial effect of nanostructured ZnO-SnO2 coatings: The role of microstructure. Materials Today Communications, 2019, 21, 100628.	1.9	16
28	Transparent Photoactive ZnOâ€“MgOâ€“Ag2O Films on Glasses. Optics and Spectroscopy (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	4
29	Transparent ZnOâ€“SnO2 Photocatalytic Nanocoatings Prepared by the Polymerâ€“Salt Method. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 126, 431-438.	0.6	3
30	Photoactive ZnOâ€“Al2O3 Transparent Coatings and Nanocomposites Prepared by a Simple Polymer-Salt Synthesis. Semiconductors, 2019, 53, 2082-2084.	0.5	1
31	Chemical synthesis and optical properties of composite materials containing PbI₂ nanoparticles. Journal of Physics: Conference Series, 2019, 1410, 012044.	0.4	0
32	Silica fibres activated by YAG : Nd³⁺ nanocrystals. Quantum Electronics, 2019, 49, 1145-1148.	1.0	7
33	Study of Fiber Optic Elements Based on a Photoactive Polymer Composition for Sensor Applications. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 127, 746-749.	0.6	4
34	Photoactive UV-A transparent ZnO-Al2O3 coatings for singlet oxygen photogeneration. Optical Engineering, 2019, 58, 1.	1.0	3
35	Transparent ZnO-Y2O3 coatings: Bactericidal effect in the lighting and in the darkness. Ceramics International, 2018, 44, 9091-9096.	4.8	18
36	Photodecomposition of organic/inorganic composite materials based on polyvinylpyrrolidone. Journal of Physics: Conference Series, 2018, 1124, 051060.	0.4	1

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37	Photoactive ZnO nanosuspension for intensification of organics contaminations decomposition. Chemical Engineering and Processing: Process Intensification, 2018, 134, 45-50.	3.6	16
38	The Influence of Polyvinylpyrrolidone Molecular Weight on the Structure and the Spectral and Nonlinear Optical Properties of Composite Materials with CdS/ZnS Nanoparticles. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2018, 125, 640-645.	0.6	3
39	Synthesis and characterization of transparent photocatalytic ZnO-Sm2O3 and ZnO-Er2O3 coatings. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 458-464.	3.9	20
40	Polymer-salt synthesis and characterization of MgO-ZnO ceramic coatings with the high transparency in UV spectral range. Optical Materials, 2018, 82, 81-87.	3.6	22
41	Photolysis of Diazo Dye in Solutions and Films Containing Zinc and Silver Oxides. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2018, 124, 774-778.	0.6	12
42	Nonlinear Optical Properties of CdS/ZnS Quantum Dots in a High-Molecular-Weight Polyvinylpyrrolidone Matrix. Semiconductors, 2018, 52, 997-1003.	0.5	7
43	Thin photocatalytic and bactericidal coatings based on carbon or metal oxide nanoparticles. , 2018, , .		0
44	Photolysis of Chicago Sky Blue 6B diazo dye in aqueous solutions containing zinc nitrate and samarium nitrate. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2018, 85, 444.	0.4	0
45	Transparent bactericidal ZnO nanocoatings. Journal of Materials Science: Materials in Medicine, 2017, 28, 102.	3.6	16
46	Transparent nanocrystalline ZnO and ZnO:Al coatings obtained through ZnS sols. Optical Materials, 2017, 73, 712-717.	3.6	6
47	Transparent bactericidal coatings based on zinc and cerium oxides. Ceramics International, 2017, 43, 14504-14510.	4.8	21
48	Nonlinear optical properties of hybridized CdS/ZnS-PVP sols. Journal of Physics: Conference Series, 2017, 917, 062044.	0.4	2
49	Transparent photocatalytic coatings on the surface of the tips of medical fibre-optic bundles. Quantum Electronics, 2017, 47, 1125-1127.	1.0	5
50	Stabilization of PbS quantum dots by high molecular polyvinylpyrrolidone. Polymers for Advanced Technologies, 2016, 27, 314-317.	3.2	10
51	Immersion film-forming compositions based on high-molecular polyvinylpyrrolidone. Polymers for Advanced Technologies, 2016, 27, 1258-1260.	3.2	4
52	Spectral and optical limiting properties of ZnS nano- and bulk crystals. , 2016, , .		0
53	The influence of the polymer-stabilizer molecular weight on the spectral luminescence properties of composite sols and coatings containing PbS quantum dots. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10		
54	Spectral and Luminescence Properties of Sols and Coatings Containing CdS/ZnS QDs and Polyvinylpyrrolidone. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2016, 120, 415-422.	0.6	6

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55	The formation of ZnO-based coatings from solutions containing high-molecular polyvinylpyrrolidone. Technical Physics Letters, 2016, 42, 468-470.	0.7	3
56	Time-evolving photo-induced changes of luminescent and spectral properties of PbS quantum dots sols. Optics Communications, 2016, 366, 282-284.	2.1	0
57	Some features of luminescent properties of PbS suspensions, stabilized by highâ€molecular polyvinylpyrrolidone. Polymers for Advanced Technologies, 2015, 26, 1097-1101.	3.2	9
58	Spectral properties of zinc sulfide sols stabilized by high-molecular polyvinylpyrrolidone. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2015, 119, 943-947.	0.6	6
59	Nonlinear optical limiters of pulsed laser radiation based on carbonâ€containing nanostructures in viscous and solid matrices. Polymers for Advanced Technologies, 2014, 25, 1008-1013.	3.2	6
60	Forming nanosize Y_2O_3:Eu^3+ coatings on glass surfaces, using solutions containing polyvinylpyrrolidone. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2011, 78, 748.	0.4	4
61	Sol-gel synthesis of high-silica materials from nepheline-containing concentrate. Glass and Ceramics (English Translation of Steklo I Keramika), 1996, 53, 51-54.	0.6	0