

Sergey Evstropiev

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Polymer-salt synthesis and characterization of MgO-ZnO ceramic coatings with the high transparency in UV spectral range. <i>Optical Materials</i> , 2018, 82, 81-87.	3.6	22
2	Transparent bactericidal coatings based on zinc and cerium oxides. <i>Ceramics International</i> , 2017, 43, 14504-14510.	4.8	21
3	Synthesis and characterization of transparent photocatalytic ZnO-Sm ₂ O ₃ and ZnO-Er ₂ O ₃ coatings. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 367, 458-464.	3.9	20
4	Transparent ZnO-Y ₂ O ₃ coatings: Bactericidal effect in the lighting and in the darkness. <i>Ceramics International</i> , 2018, 44, 9091-9096.	4.8	18
5	Synthesis and nonlinear optical properties of vanadium-doped plasticized epoxy polymer composites. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 324-331.	21.1	17
6	Transparent bactericidal ZnO nanocoatings. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 102.	3.6	16
7	Photoactive ZnO nanosuspension for intensification of organics contaminations decomposition. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 134, 45-50.	3.6	16
8	Antibacterial effect of nanostructured ZnO-SnO ₂ coatings: The role of microstructure. <i>Materials Today Communications</i> , 2019, 21, 100628.	1.9	16
9	Intensification of photodecomposition of organics contaminations by nanostructured ZnO-SnO ₂ coatings prepared by polymer-salt method. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 142, 107587.	3.6	15
10	Enhanced singlet oxygen photogeneration by bactericidal ZnO-MgO-Ag nanocomposites. <i>Materials Chemistry and Physics</i> , 2022, 276, 125204.	4.0	13
11	Photolysis of Diazo Dye in Solutions and Films Containing Zinc and Silver Oxides. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2018, 124, 774-778.	0.6	12
12	Stabilization of PbS quantum dots by high molecular polyvinylpyrrolidone. <i>Polymers for Advanced Technologies</i> , 2016, 27, 314-317.	3.2	10
13	Some features of luminescent properties of PbS suspensions, stabilized by high-molecular polyvinylpyrrolidone. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1097-1101.	3.2	9
14	Photo-stimulated evolution of different structural forms of silver in solutions, composite and oxide coatings. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 403, 112858.	3.9	8
15	Singlet Oxygen Generation in Microcapillary Optical Elements with Photoactive Coatings. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2020, 128, 214-219.	0.6	8
16	Nonlinear Optical Properties of CdS/ZnS Quantum Dots in a High-Molecular-Weight Polyvinylpyrrolidone Matrix. <i>Semiconductors</i> , 2018, 52, 997-1003.	0.5	7
17	Silica fibres activated by YAG : Nd ³⁺ nanocrystals. <i>Quantum Electronics</i> , 2019, 49, 1145-1148.	1.0	7
18	Nonlinear optical limiters of pulsed laser radiation based on carbon-containing nanostructures in viscous and solid matrices. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1008-1013.	3.2	6

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19	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
20	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
21	Transparent nanocrystalline ZnO and ZnO:Al coatings obtained through ZnS sols. Optical Materials, 2017, 73, 712-717.	3.6	6
22	Formation of Gd ₂ O ₃ :Nd ³⁺ nanocrystals in silica microcapillary preforms and hollow-core anti-resonant optical fibers. Optical Fiber Technology, 2021, 65, 102547.	2.7	6
23	Transparent photocatalytic coatings on the surface of the tips of medical fibre-optic bundles. Quantum Electronics, 2017, 47, 1125-1127.	1.0	5
24	Double stabilization of silver molecular clusters in thin films. Research on Chemical Intermediates, 2020, 46, 4033-4046.	2.7	5
25	Eu-doped BaO-Al ₂ O ₃ -SiO ₂ -MgF ₂ glass and glass ceramics. Journal of Non-Crystalline Solids, 2022, 580, 121386.	3.1	5
26	Forming nanosize Y ₂ O 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
27	Immersion film-forming compositions based on high-molecular polyvinylpyrrolidone. Polymers for Advanced Technologies, 2016, 27, 1258-1260.	3.2	4
28	Transparent Photoactive ZnO-MgO-Ag ₂ O Films on Glasses. Optics and Spectroscopy (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	4
29	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
30	The formation of ZnO-based coatings from solutions containing high-molecular polyvinylpyrrolidone. Technical Physics Letters, 2016, 42, 468-470.	0.7	3
31	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
32	Transparent ZnO-SnO ₂ Photocatalytic Nanocoatings Prepared by the Polymer-Salt Method. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 126, 431-438.	0.6	3
33	Bactericidal properties of ZnO-SnO ₂ nanocomposites prepared by polymer-salt method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 264, 114877.	3.5	3
34	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
35	Modified Pechini method by PVP addition for Nd:Gd ₂ O ₃ nanophosphors fabrication. Ceramics International, 2021, 47, 34307-34313.	4.8	3
36	Photoactive UV-A transparent ZnO-Al ₂ O ₃ coatings for singlet oxygen photogeneration. Optical Engineering, 2019, 58, 1.	1.0	3

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37	Nonlinear optical properties of hybridized CdS/ZnS-PVP sols. Journal of Physics: Conference Series, 2017, 917, 062044.	0.4	2
38	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
39	Modification of the MgO-Al ₂ O ₃ -TiO ₂ -SiO ₂ Glass by Silver Diffusion for the Formation of Luminescent Molecular Clusters. Doklady Chemistry, 2021, 499, 159-162.	0.9	2
40	Synthesis of Photoactive ZnO-SnO ₂ -Ag(AgCl) Nanomaterials for Medical and Ecological Applications and Study of Their Structure and Properties. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 13	0.4	2
41	Organic phosphor based fiber-optic sensor for detection of UV radiation. Journal of Physics: Conference Series, 2021, 2086, 012155.	0.4	2
42	The Influence of Polyvinylpyrrolidone on the Structure and Optical Properties of ZnO-MgO Nanocomposites Synthesized by the Polymer-Salt Method. Optics and Spectroscopy (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 13	0.4	1
43	Photodecomposition of organic/inorganic composite materials based on polyvinylpyrrolidone. Journal of Physics: Conference Series, 2018, 1124, 051060.	0.4	1
44	Photoactive ZnO-Al ₂ O ₃ Transparent Coatings and Nanocomposites Prepared by a Simple Polymer-Salt Synthesis. Semiconductors, 2019, 53, 2082-2084.	0.5	1
45	Synthesis and characterization of PVP/PbI ₂ nanocomposites. Advanced Composites and Hybrid Materials, 2020, 3, 49-57.	21.1	1
46	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
47	Ion Exchange Surface Hardening of Alkali Silicate Glass Using Composite Pastes. Glass Physics and Chemistry, 2020, 46, 510-513.	0.7	1
48	Polymer-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
49	Photo-oxygenation of water media using photoactive plasmonic nanocomposites. Journal of Chemical Physics, 2022, 156, 201103.	3.0	1
50	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
51	Spectral and optical limiting properties of ZnS nano- and bulk crystals. , 2016, , .		0
52	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 ETQq0 0 0 rgBT /Overlock 10 Tf 50 13	2.1	0
53	Time-evolving photo-induced changes of luminescent and spectral properties of PbS quantum dots sols. Optics Communications, 2016, 366, 282-284.	2.1	0
54	Thin photocatalytic and bactericidal coatings based on carbon or metal oxide nanoparticles. , 2018, , .		0

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55	Photoactive Fiber-Optics Endoscope for Oncology. , 2019, , .		0
56	Chemical synthesis and optical properties of composite materials containing Pb^{2+} nanoparticles. Journal of Physics: Conference Series, 2019, 1410, 012044.	0.4	0
57	Photolysis of Chicago Sky Blue 6B diazo dye in aqueous solutions containing zinc nitrate and samarium nitrate. Journal of Optical Technology (A Translation of Opticheski Zhurnal), 2018, 85, 444.	0.4	0
58	Polymer-salt synthesis of $Gd_2O_3:Nd^{3+}$ nanophosphors. Journal of Physics: Conference Series, 2020, 1695, 012184.	0.4	0
59	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
60	Silica-Based Optical Fiber Modified with $Gd_2O_3:Nd^{3+}$ Nanocrystals. , 2020, , .		0
61	Comparative study of the photocatalytic and bactericidal properties of coatings based on metal oxides nanoparticles. , 2020, , .		0