

Aleksandr A Ezhov

List of Publications by Year in descending order

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106
papers

1,721
citations

430754

18
h-index

302012

39
g-index

108
all docs

108
docs citations

108
times ranked

2163
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface profile-tailored magneto-optics in magnetoplasmonic crystals. <i>APL Photonics</i> , 2022, 7, .	3.0	8
2	A new 2-methylimidazole-assisted liquid-exfoliation method for a rapid scalable fabrication of chemically pure MoS ₂ nanosheets. <i>Colloids and Interface Science Communications</i> , 2022, 47, 100604.	2.0	5
3	Double-sided liquid crystal metasurfaces for electrically and mechanically controlled broadband visible anomalous refraction. <i>Nanophotonics</i> , 2022, 11, 3901-3912.	2.9	5
4	Golden Vaterite as a Mesoscopic Metamaterial for Biophotonic Applications. <i>Advanced Materials</i> , 2021, 33, e2008484.	11.1	27
5	Monochelic Versus Telechelic Poly(Methyl Methacrylate) as a Matrix for Photoluminescent Nanocomposites with Quantum Dots. <i>Molecules</i> , 2021, 26, 4131.	1.7	0
6	Thermally induced phase separation in semicrystalline polymer solutions: How does the porous structure actually arise?. <i>Materials Today Communications</i> , 2021, 28, 102558.	0.9	15
7	Ion-Driven Self-Assembly of Lanthanide Bis-phthalocyaninates into Conductive Quasi-MOF Nanowires: an Approach toward Easily Recyclable Organic Electronics. <i>Inorganic Chemistry</i> , 2021, 60, 15509-15518.	1.9	5
8	Vertical Cylinder-to-Lamella Transition in Thin Block Copolymer Films Induced by In-Plane Electric Field. <i>Polymers</i> , 2021, 13, 3959.	2.0	5
9	Statistical Theory of Helical Twisting in Nematic Liquid Crystals Doped with Chiral Nanoparticles. <i>Crystals</i> , 2021, 11, 1432.	1.0	0
10	Functional Photonic Elements Based on Liquid Crystal Metasurfaces. <i>Journal of Physics: Conference Series</i> , 2021, 2015, 012050.	0.3	0
11	Imaging-Guided Delivery of a Hydrophilic Drug to Eukaryotic Cells Based on Its Hydrophobic Ion Pairing with Poly(hexamethylene guanidine) in a Maleated Chitosan Carrier. <i>Molecules</i> , 2021, 26, 7426.	1.7	3
12	Structure and morphology of polystyrene - QDs composites in sols and solid films. <i>Journal of Molecular Structure</i> , 2020, 1202, 127280.	1.8	1
13	Phase diagram of the low-density polyethylene - dimethyl terephthalate system: A new topology. <i>Thermochimica Acta</i> , 2020, 684, 178499.	1.2	10
14	Quantum dots - Polymer composites and the influence of gold nanoparticles on photoluminescence of polymer composite films. <i>Journal of Luminescence</i> , 2020, 220, 116992.	1.5	10
15	Superperiodic Liquid-Crystal Metasurfaces for Electrically Controlled Anomalous Refraction. <i>ACS Photonics</i> , 2020, 7, 3096-3105.	3.2	20
16	Molecular-Theory of High Frequency Dielectric Susceptibility of Nematic Nanocomposites. <i>Crystals</i> , 2020, 10, 970.	1.0	2
17	Intracellular delivery of drugs by chitosan-based multi-liposomal complexes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 193, 111062.	2.5	10
18	Combining optical microscopy, turbidimetry, and DSC to study structural transformations in the mixtures of semicrystalline polymers with low-molar-mass crystallizable substances. <i>Thermochimica Acta</i> , 2020, 690, 178671.	1.2	10

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19	Liquid-Crystal Metasurfaces Self-Assembled on Focused Ion Beam Patterned Polymer Layers: Electro-Optical Control of Light Diffraction and Transmission. ACS Applied Materials & Interfaces, 2020, 12, 30815-30823.	4.0	18
20	Self-Assembled Liquid-Crystal-Metasurfaces Controlling Deflection and Retardation of Light. , 2020, , .		0
21	Millisecond-Fast Switchable Photonic Metasurfaces Based on Liquid Crystal. , 2020, , .		0
22	Photoconductive terahertz antennas based on topological insulators Bi ₂ xSbxTe ₃ ySe _y . , 2020, , .		0
23	Analysis of the Thermal Behavior of Polypropylene-Camphor Mixtures for Understanding the Pathways to Polymeric Membranes via Thermally Induced Phase Separation. Journal of Physical Chemistry B, 2019, 123, 10533-10546.	1.2	18
24	Isotactic polypropylene-1,2,4,5-tetrachlorobenzene: porous bodies via thermally induced phase separation. Journal of Thermal Analysis and Calorimetry, 2019, 138, 2481-2489.	2.0	11
25	Fabrication of uniform monolayers of graphene oxide on solid surfaces. Surface Innovations, 2019, 7, 210-218.	1.4	4
26	Supramolecular Organogels Based on N-Benzyl, N ² -Acylbispidinols. Nanomaterials, 2019, 9, 89.	1.9	11
27	Optical Coupling between Resonant Dielectric Nanoparticles and Dielectric Nanowires Probed by Third Harmonic Generation Microscopy. ACS Photonics, 2019, 6, 189-195.	3.2	11
28	Switchable optical metasurfaces based on nematic liquid crystal. , 2019, , .		5
29	Understanding Self-Assembly of Porphyrin-Based SURMOFs: How Layered Minerals Can Be Useful. Langmuir, 2018, 34, 5184-5192.	1.6	21
30	Plasmon-enhanced light absorption at organic-coated interfaces: collectivity matters. Journal of Materials Chemistry C, 2018, 6, 1413-1420.	2.7	11
31	A facile approach to fabricating ultrathin layers of reduced graphene oxide on planar solids. Carbon, 2018, 134, 62-70.	5.4	18
32	Low-density polyethylene-thymol: Thermal behavior and phase diagram. Thermochimica Acta, 2018, 659, 113-120.	1.2	25
33	Evolution of Microstructure in Block Copolymer Thin Films during Zone Annealing. Polymer Science - Series A, 2018, 60, 723-733.	0.4	2
34	Copolymers of 1-(3,3,3-Trifluoropropyl)dimethylsilyl-1-Propyne with 1-Trimethylsilyl-1-Propyne as Membrane Materials for Separation of Gas Mixtures Containing Hydrocarbons. Petroleum Chemistry, 2018, 58, 1123-1128.	0.4	1
35	Polymeric and Low-Molecular Stabilizers for Au Nanoparticles in a Diblock Copolymer Matrix. Polymer Science - Series C, 2018, 60, 240-250.	0.8	2
36	Stabilization of Gold Nanospheres and Nanorods in Diblock Copolymers of Styrene and Vinylpyridine. Polymer Science - Series C, 2018, 60, 78-85.	0.8	4

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37	Molecular Targets of the Hydrophobic Block of Pluronics in Cells: a Photo Affinity Labelling Approach. <i>Pharmaceutical Research</i> , 2018, 35, 205.	1.7	7
38	Facile phase transfer of gold nanorods and nanospheres stabilized with block copolymers. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 616-627.	1.5	6
39	A Two-Photon Pumped Supramolecular Upconversion Microresonator. <i>ChemNanoMat</i> , 2018, 4, 764-768.	1.5	19
40	Interfacial self-assembly of functional bilayer templates comprising porphyrin arrays and graphene oxide. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 521-531.	5.0	18
41	Chiral visible light metasurface patterned in monocrystalline silicon by focused ion beam. <i>Scientific Reports</i> , 2018, 8, 11623.	1.6	35
42	Nonlinear polymer/quantum dots nanocomposite for two-photon nanolithography of photonic devices. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2
43	Effect of metalation-demetalation reactions on the assembly and properties of 2D supramolecular arrays of tetrapyrrolylporphyrin and its Zn(II)-complex. <i>Surface Science</i> , 2017, 660, 39-46.	0.8	12
44	Layer-by-layer assembly of porphyrin-based metal-organic frameworks on solids decorated with graphene oxide. <i>New Journal of Chemistry</i> , 2017, 41, 948-957.	1.4	31
45	FIB-fabricated complex-shaped 3D chiral photonic silicon nanostructures. <i>Journal of Microscopy</i> , 2017, 268, 254-258.	0.8	10
46	Peroxyoxalate Chemiluminescent Reaction as a Tool for Elimination of Tumour Cells Under Oxidative Stress. <i>Scientific Reports</i> , 2017, 7, 3410.	1.6	25
47	Ultrathin Polydiacetylene-Based Synergetic Composites with Plasmon-Enhanced Photoelectric Properties. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43838-43845.	4.0	6
48	3D-chiral transparent single-crystal silicon metasurface for visible light. , 2017, , .		0
49	An electrostatic conjugate composed of liposomes, polylysine and a polylactide micelle: a biodegradability-cytotoxicity relationship. <i>Mendeleev Communications</i> , 2017, 27, 299-301.	0.6	8
50	SERS-active dielectric metamaterials based on periodic nanostructures. <i>Optics Express</i> , 2016, 24, 7133.	1.7	21
51	Substrate-mediated face-on self-assembly of non-amphiphilic phthalocyaninates on solids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 509, 376-383.	2.3	8
52	Composites based on liquid-crystalline polymers with terminal functional groups and inorganic nanoparticles. <i>Polymer Science - Series C</i> , 2016, 58, 102-117.	0.8	6
53	Extreme optical chirality of plasmonic nanohole arrays due to chiral Fano resonance. <i>Physical Review B</i> , 2016, 93, .	1.1	55
54	Non-collinear generation of the second optical harmonic in strontium-barium niobate crystals with needle-like microdomains. <i>Moscow University Physics Bulletin (English Translation of Vestnik) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 57 T</i>		

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55	Fabrication of complex shape 3D photonic nanostructures by FIB lithography. , 2015, , .		3
56	Cationic nanogels as Trojan carriers for disruption of endosomes. Colloids and Surfaces B: Biointerfaces, 2015, 136, 981-988.	2.5	6
57	Laser-ablated silicon nanoparticles: optical properties and perspectives in optical coherence tomography. Laser Physics, 2015, 25, 075604.	0.6	22
58	Nonlinear Interference and Tailorable Third-Harmonic Generation from Dielectric Oligomers. ACS Photonics, 2015, 2, 578-582.	3.2	124
59	Implications of the causality principle for ultra chiral metamaterials. Scientific Reports, 2015, 5, 9273.	1.6	26
60	Monochelic copolymer as a matrix for cholesteric composites with gold nanoparticles. Polymer, 2015, 77, 113-121.	1.8	7
61	Highly tunable plasmonic assemblies of gold nanoparticles: in-plane manipulation of plasmon coupling with nanometer precision. Journal of Materials Chemistry C, 2015, 3, 11801-11805.	2.7	7
62	Frictional microscopy of polymers and nanocomposites. , 2014, , .		0
63	Extreme optical activity and circular dichroism of chiral metal hole arrays. Applied Physics Letters, 2014, 104, .	1.5	43
64	Optical activity and circular dichroism of 3D-chiral holes: Symmetry, causality, reciprocity and reversibility aspects. , 2014, , .		0
65	Stable nonequilibrium composites based on liquid-crystalline polymers and cadmium selenide nanoparticles. Polymer Science - Series A, 2014, 56, 488-497.	0.4	5
66	Enhanced Third-Harmonic Generation in Silicon Nanoparticles Driven by Magnetic Response. Nano Letters, 2014, 14, 6488-6492.	4.5	522
67	Preferential oxidation of carbon monoxide on supported gold catalysts. Kinetics and Catalysis, 2013, 54, 358-368.	0.3	7
68	Titanium-containing compounds as efficient triboadditives to oils. Journal of Friction and Wear, 2013, 34, 487-493.	0.1	3
69	Magnetoplasmonic crystals based on commercial digital discs. Journal of Applied Physics, 2013, 113, .	1.1	13
70	Direct measurements of three-dimensional localization of light near the nanostructures with sub-wavelength spatial resolution. Journal of Physics: Conference Series, 2012, 345, 012005.	0.3	0
71	Calibration technique for scanning near-field optical microscopes for measuring the geometrical parameters of objects in the shear-force mode. Measurement Techniques, 2012, 55, 984-989.	0.2	0
72	Transport Properties and Submolecular Organization in High Permeable 1,2-Disubstituted Polyacetylenes. Procedia Engineering, 2012, 44, 948-949.	1.2	0

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73	Synthesis, Characterization, and Properties of Poly(1-trimethylsilyl-1-propyne)- <i>block</i> -poly(4-methyl-2-pentyne) Block Copolymers. <i>Macromolecules</i> , 2012, 45, 1222-1229.	2.2	30
74	Structural properties of silicon nanoparticles formed by pulsed laser ablation in liquid media. <i>Crystallography Reports</i> , 2012, 57, 831-835.	0.1	21
75	Near-field optical microscopy of plasmonic effects in anisotropic metamaterials. <i>Physica C: Superconductivity and Its Applications</i> , 2012, 479, 183-185.	0.6	1
76	2D "Soap" Assembly of Nanoparticles via Colloid-Induced Condensation of Mixed Langmuir Monolayers of Fatty Surfactants. <i>Langmuir</i> , 2012, 28, 125-133.	1.6	17
77	Comparison of antiwear properties of titanium-containing compounds. <i>Petroleum Chemistry</i> , 2012, 52, 204-207.	0.4	4
78	Photoinduced translational molecular mobility in solid nanostructured azo dye films. <i>Quantum Electronics</i> , 2011, 41, 1003-1009.	0.3	0
79	Liquid-Crystalline Polymer Composites with CdS Nanorods: Structure and Optical Properties. <i>Langmuir</i> , 2011, 27, 13353-13360.	1.6	36
80	Near-field optical polarimetry of plasmonic nanowires. <i>JETP Letters</i> , 2011, 93, 720-724.	0.4	8
81	Investigation of magnetic behavior in nanoscale superlattices Mo/Fe/Co. <i>Nanotechnologies in Russia</i> , 2011, 6, 468-475.	0.7	1
82	Creation of silicon nanocrystals using the laser ablation in liquid. <i>Laser Physics</i> , 2011, 21, 801-804.	0.6	16
83	Surface-plasmon-induced enhancement of magneto-optical Kerr effect in all-nickel subwavelength nanogratings. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	130
84	Non-Collinear Generation of Second Harmonic in a Strontium Barium Niobate Crystal with Needle-Like Microdomains. <i>Ferroelectrics</i> , 2010, 398, 85-90.	0.3	1
85	Effect of unmodulated laser light on the nanostructure of a thin solid AD-1 azo dye film. <i>Quantum Electronics</i> , 2010, 40, 286-287.	0.3	4
86	Magneto-optical response enhancement in 1D and 2D magnetoplasmonic crystals. , 2009, , .		1
87	Formation of spatial spiral light structures by a polymer nanocylinder. <i>JETP Letters</i> , 2009, 88, 564-568.	0.4	0
88	Tribological properties of bis(tetraalkylammonium) tetrathiomolybdates as precursors of molybdenum sulfide nanoparticles. <i>Petroleum Chemistry</i> , 2009, 49, 339-342.	0.4	1
89	Silicon nanocrystal formation via laser ablation in liquid media. , 2009, , .		0
90	Lateral 2D~3D Phase Segregation in Fatty Acid/Fatty Amine Monolayers Induced by Langmuir~Blodgett Deposition. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8581-8587.	1.2	10

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91	Formation and Identification of Graphene. Journal of Nanoelectronics and Optoelectronics, 2009, 4, 239-242.	0.1	1
92	Near-field 3D mapping of spiral light structures formed by a polymer nanocylinder. Laser Physics, 2008, 18, 1429-1434.	0.6	0
93	NEAR-FIELD OPTICAL VORTEXES AT NANOSTRUCTURED METALLIC FILMS. International Journal of Nanoscience, 2007, 06, 233-236.	0.4	0
94	Silicon micro- and nanostructures formed by femtosecond laser pulses. , 2007, , .		0
95	Formation of nanoparticles on the silicon surface under the effect of femtosecond laser pulses. Semiconductors, 2007, 41, 998-1001.	0.2	7
96	Characterization of periodically poled LiTaO3 crystals by means of spontaneous parametric down-conversion. Applied Physics B: Lasers and Optics, 2006, 83, 273-278.	1.1	11
97	Ferroelectric properties in KNbO3 thin films probed by optical second harmonic generation. Applied Physics Letters, 2006, 89, 062907.	1.5	16
98	Surface-plasmon vortices in nanostructured metallic films. JETP Letters, 2005, 82, 599-602.	0.4	4
99	SNOM INVESTIGATION OF THE ELECTROMAGNETIC FIELD INTENSITY AND POLARIZATION DISTRIBUTION IN THE VICINITY OF NANOSTRUCTURES. International Journal of Nanoscience, 2004, 03, 105-113.	0.4	7
100	<title>Local optical diagnostics of nanostructures: SNOM investigation of the electromagnetic field interaction with the nanostructures</title>. , 2004, , .		0
101	<title>SNOM investigation of the electromagnetic field intensity and polarization distribution in the vicinity of subwavelength structures</title>. , 2004, , .		2
102	STM studies of the surface structure in cleaved Bi 2 Sr 2 CuO 6 + $\hat{\Gamma}$ single crystals. Europhysics Letters, 2003, 61, 681-687.	0.7	6
103	<title>Peculiarities of laser-assisted drawing-out processing of optical probes for SNOM</title>. , 1999, 3822, 199.		2
104	Time-temperature section of the phase diagram of the Al $\hat{\sim}$ Sc $\hat{\sim}$ Zr system at 500 $\hat{\text{A}}$ C. Metal Science and Heat Treatment, 1997, 39, 211-213.	0.2	6
105	Strong optical nonlinearities in quantum wires and dots of porous silicon. Physica Status Solidi (B): Basic Research, 1995, 188, 297-306.	0.7	14
106	Ex situ scanning tunneling microscopy investigations of the modification of titanium surface due to corrosion processes. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1994, 12, 1547.	1.6	9