Ivan I Shishkin

List of Publications by Year in Descending Order

38 papers	673 citations	15 h-index	25 g-index
49 ext. papers	882 ext. citations	6.7 avg, IF	3.99 L-index

#	Paper	IF	Citations
38	Femtosecond Laser-Assisted Formation of Hybrid Nanoparticles from Bi-Layer Gold–Silicon Films for Microscale White-Light Source. *Nanomaterials*, **2022**, 12, 1756	5.4	1
37	Luminescent Erbium-Doped Silicon Thin Films for Advanced Anti-Counterfeit Labels. *Advanced Materials*, **2021**, 33, e2005886	24	15
36	Golden Vaterite as a Mesoscopic Metamaterial for Biophotonic Applications. *Advanced Materials*, **2021**, 33, e2008484	24	5
35	Modifying light–matter interactions with perovskite nanocrystals inside antiresonant photonic crystal fiber. *Photonics Research*, **2021**, 9, 1462	6	3
34	Amplified spontaneous emission and gain in highly concentrated Rhodamine-doped peptide derivative. *Scientific Reports*, **2021**, 11, 17609	4.9	3
33	Multicolor Phenylenediamine Carbon Dots for Metal-Ion Detection with Picomolar Sensitivity. *ACS Applied Nano Materials*, **2021**, 4, 9919-9931	5.6	4
32	Rapid synthesis and optical properties of CsPbBr2Cl perovskite nanolasers. *Journal of Physics: Conference Series*, **2020**, 1461, 012091	0.3	
31	All-Optical Nanoscale Heating and Thermometry with Resonant Dielectric Nanoparticles for Controllable Drug Release in Living Cells. *Laser and Photonics Reviews*, **2020**, 14, 1900082	8.3	24
30	Perovskite nanowire lasers on low-refractive-index conductive substrate for high-Q and low-threshold operation. *Nanophotonics*, **2020**, 9, 3977-3984	6.3	15
29	Auxiliary Optomechanical Tools for 3D Cell Manipulation. *Micromachines*, **2020**, 11,	3.3	7
28	Laser-printed hollow nanostructures for nonlinear plasmonics. *Applied Physics Letters*, **2020**, 117, 041108	3.4	4
27	Experimental Observation of Intrinsic Light Localization in Photonic Icosahedral Quasicrystals. *Advanced Optical Materials*, **2020**, 8, 2001170	8.1	4
26	Biological Kerker Effect Boosts Light Collection Efficiency in Plants. *Nano Letters*, **2019**, 19, 7062-7071	11.5	28
25	Single-Mode Lasing from Imprinted Halide-Perovskite Microdisks. *ACS Nano*, **2019**, 13, 4140-4147	16.7	89
24	Controllable Synthesis of Calcium Carbonate with Different Geometry: Comprehensive Analysis of Particle Formation, Cellular Uptake, and Biocompatibility. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 19142-19156	8.3	33
23	Single-step direct laser writing of halide perovskite microlasers. *Applied Physics Express*, **2019**, 12, 122001	2.4	10
22	Bioinspired Amyloid Nanodots with Visible Fluorescence. *Advanced Optical Materials*, **2019**, 7, 1801400	8.1	17

21	Bifocal Fresnel Lens Based on the Polarization-Sensitive Metasurface. *IEEE Transactions on Antennas and Propagation*, **2018**, 66, 2650-2654	4.9	19
20	Quantum Sensing of Motion in Colloids via Time-Dependent Purcell Effect. *Laser and Photonics Reviews*, **2018**, 12, 1800042	8.3	4
19	Circular dichroism enhancement in plasmonic nanorod metamaterials. *Optics Express*, **2018**, 26, 17841-17848	3.3	20
18	Non-Mie optical resonances in anisotropic biomineral nanoparticles. *Nanoscale*, **2018**, 10, 21031-21040	7.7	13
17	Optical Manipulation along an Optical Axis with a Polarization Sensitive Meta-Lens. *Nano Letters*, **2018**, 18, 5024-5029	11.5	31
16	Plasmon-assisted optical trapping and anti-trapping. *Light: Science and Applications*, **2017**, 6, e16258	16.7	47
15	Temperature and Phase Transition Sensing in Liquids with Fluorescent Probes. *MRS Advances*, **2017**, 2, 2391-2399	0.7	5
14	Microwave platform as a valuable tool for characterization of nanophotonic devices. *Scientific Reports*, **2016**, 6, 35516	4.9	3
13	Dark-field imaging as a noninvasive method for characterization of whispering gallery modes in microdisk cavities. *Optics Letters*, **2016**, 41, 749-52	3	2
12	Fabrication of Hybrid Nanostructures via Nanoscale Laser-Induced Reshaping for Advanced Light Manipulation. *Advanced Materials*, **2016**, 28, 3087-93	24	81
11	Controllable femtosecond laser-induced dewetting for plasmonic applications. *Laser and Photonics Reviews*, **2016**, 10, 91-99	8.3	55
10	Study of the structure of 3D-ordered macroporous GaN-ZnS:Mn nanocomposite films. *Semiconductors*, **2015**, 49, 658-662	0.7	1
9	Band Structure of Photonic Crystals Fabricated by Two-Photon Polymerization. *Crystals*, **2015**, 5, 61-73	2.3	18
8	Multiple Bragg diffraction in opal-based photonic crystals: Spectral and spatial dispersion. *Physical Review B*, **2014**, 89,	3.3	15
7	Fabrication of submicron structures by three-dimensional laser lithography. *JETP Letters*, **2014**, 99, 531-534	1.2	7
6	Two modes of laser lithography fabrication of three-dimensional submicrometer structures. *Physics of the Solid State*, **2014**, 56, 2166-2172	0.8	2
5	Mapping electromagnetic fields near a subwavelength hole. *JETP Letters*, **2014**, 99, 622-626	1.2	12
4	Selective placement of quantum dots on nanoscale areas of metal-free substrates. *Physica Status Solidi - Rapid Research Letters*, **2014**, 8, 710-713	2.5	6

3	Dual-channel spontaneous emission of quantum dots in magnetic metamaterials. *Nature Communications*, **2013**, 4, 2949	17.4	52
2	Inverted yablonovite fabricated by the direct laser writing method and its photonic structure. *JETP Letters*, **2012**, 95, 457-461	1.2	15
1	Glassy nanostructures fabricated by the direct laser writing method. *Physics of the Solid State*, **2012**, 54, 1975-1980	0.8	3