Ivan S Sinev

List of Publications by Year
in descending order

50 papers	1,304 citations	430874 18 h-index	361022 35 g-index
50 all docs	50 docs citations	50 times ranked	1535 citing authors

#	Article	IF	Citations
1	Transition from Optical Bound States in the Continuum to Leaky Resonances: Role of Substrate and Roughness. ACS Photonics, 2017, 4, 723-727.	6.6	221
2	Reconfigurable multilevel control of hybrid all-dielectric phase-change metasurfaces. Optica, 2020, 7, 476.	9.3	153
3	Nonlinear polaritons in a monolayer semiconductor coupled to optical bound states in the continuum. Light: Science and Applications, 2020, 9, 56.	16.6	124
4	Mie scattering as a cascade of Fano resonances. Optics Express, 2013, 21, 30107.	3.4	83
5	Polarization control over electric and magnetic dipole resonances of dielectric nanoparticles on metallic films. Laser and Photonics Reviews, 2016, 10, 799-806.	8.7	81
6	Mapping plasmonic topological states at the nanoscale. Nanoscale, 2015, 7, 11904-11908.	5.6	78
7	Probing magnetic and electric optical responses of silicon nanoparticles. Applied Physics Letters, 2015, 106, .	3.3	62
8	Chirality Driven by Magnetic Dipole Response for Demultiplexing of Surface Waves. Laser and Photonics Reviews, 2017, 11, 1700168.	8.7	52
9	Nanoscale Generation of White Light for Ultrabroadband Nanospectroscopy. Nano Letters, 2018, 18, 535-539.	9.1	52
10	Enhanced photonic spin Hall effect with subwavelength topological edge states. Laser and Photonics Reviews, 2016, 10, 656-664.	8.7	44
11	Experimental observation of topological Z2 exciton-polaritons in transition metal dichalcogenide monolayers. Nature Communications, 2021, 12, 4425.	12.8	42
12	Perovskiteâ€“Gallium Phosphide Platform for Reconfigurable Visible-Light Nanophotonic Chip. ACS Nano, 2020, 14, 8126-8134.	14.6	39
13	Observation of Ultrafast Self-Action Effects in Quasi-BIC Resonant Metasurfaces. Nano Letters, 2021, 21, 8848-8855.	9.1	33
14	Polarization-resolved characterization of plasmon waves supported by an anisotropic metasurface. Optics Express, 2017, 25, 32631.	3.4	28
15	Steering of Guided Light with Dielectric Nanoantennas. ACS Photonics, 2020, 7, 680-686.	6.6	28
16	Multifunctional and Transformative Metaphotonics with Emerging Materials. Chemical Reviews, 2022, 122, 15414-15449.	47.7	23
17	Dimensionality effects on the optical diffraction from opal-based photonic structures. Physical Review B, 2013, 87, .	3.2	22
18	Demonstration of unusual nanoantenna array modes through direct reconstruction of the near-field signal. Nanoscale, 2015, 7, 765-770.	5.6	19

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19	Measurement of local optomechanical properties of a direct bandgap 2D semiconductor. APL Materials, 2019, 7, .	5.1	18
20	Rewritable and Tunable Laser-Induced Optical Gratings in Phase-Change Material Films. ACS Applied Materials & Interfaces, 2021, 13, 32031-32036.	8.0	16
21	Nanoscale patterning of metal nanoparticle distribution in glasses. Nanoscale Research Letters, 2013, 8, 260.	5.7	15
22	Direct Imaging of Isofrequency Contours of Guided Modes in Extremely Anisotropic All-Dielectric Metasurface. ACS Photonics, 2019, 6, 510-515.	6.6	14
23	Reconfigurable Nearâ€field Enhancement with Hybrid Metalâ€Dielectric Oligomers. Laser and Photonics Reviews, 2019, 13, 1800274.	8.7	12
24	Cascades of Fano resonances in Mie scattering. Physics of the Solid State, 2014, 56, 580-587.	0.6	8
25	Visualization of Isofrequency Contours of Strongly Localized Waveguide Modes in Planar Dielectric Structures. JETP Letters, 2018, 107, 10-14.	1.4	6
26	Selective control of light beams in diffraction experiments on synthetic opals. Physics of the Solid State, 2011, 53, 1415-1424.	0.6	5
27	Photonic properties of two-dimensional high-contrast periodic structures: Numerical calculations. Physics of the Solid State, 2014, 56, 588-593.	0.6	5
28	Near-Field Observation of Guided-Mode Resonances on a Metasurface via Dielectric Nanosphere Excitation. ACS Photonics, 2018, 5, 4238-4243.	6.6	4
29	Small-angle X-ray diffraction investigation of twinned opal-like structures. Physics of the Solid State, 2012, 54, 2073-2082.	0.6	3
30	Fano resonances in high-index dielectric photonic structures. , 2014, , .		2
31	Optical bound state in the continuum in the one-dimensional photonic crystal slab: Theory and experiment. , 2016, , .		2
32	Effect of substrate on optical bound states in the continuum in 1D photonic structures. AIP Conference Proceedings, 2017, , .	0.4	2
33	2Ï€ steering of surface plasmon polaritons with silicon nanoantennas. Journal of Physics: Conference Series, 2018, 1092, 012140.	0.4	2
34	Optical bound state in the continuum in the one-dimensional photonic structures: Transition into a resonant state. , 2017, , .		1
35	Strong coupling of excitons in 2D MoSe2/hBN heterostructure with optical bound states in the continuum. Journal of Physics: Conference Series, 2020, 1461, 012012.	0.4	1
36	Probing Optical Losses and Dispersion of Fully Guided Waves through Critical Evanescent Coupling. JETP Letters, 2021, 113, 780-786.	1.4	1

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37	Light and Small-Angle X-Ray Diffraction from Opal-Like Structures. Series in Optics and Optoelectronics, 2012, , 275-300.	0.0	1
38	Measuring full complex dispersion of guided modes and surface waves in planar photonic structures. AIP Conference Proceedings, 2020, , .	0.4	1
39	Hybrid silicon-phase change nanoantenna for surface plasmon polariton routing. AIP Conference Proceedings, 2020, , .	0.4	1
40	Optical and microradian x-ray diffraction from opal-like films: Transition from 2D to 3D regimes. , 2011, , .		0
41	Optical diffraction from opal-based photonic structures: transition from 2D to 3D regimes. , 2012, , .		0
42	Observation of optical domino modes in arrays of non-resonant plasmonic nanoantennas. , 2014, , .		0
43	Direct measurements of magnetic and electric optical responses from silicon nanoparticles. , 2015, , .		0
44	Demultiplexing surface waves with silicon nanoantennas. AIP Conference Proceedings, 2017, , .	0.4	0
45	Resonant optical properties of crystalline silicon nanoparticles fabricated by laser ablation-based methods. AIP Conference Proceedings, 2017, , .	0.4	0
46	Destruction of symmetry protected optical bound state in the continuum by high-index substrate and roughnesses. , 2017, , .		0
47	Nanoscale optical high-temperature sensor. , 2017, , .		0
48	Direct imaging of isofrequency contours in all-dielectric optical metasurface. Journal of Physics: Conference Series, 2018, 1092, 012116.	0.4	0
49	From high-Q magnetic dipole scattering to broadband electric field localization by silicon nanoparticle on metal. , 2016, , .		0
50	Hybrid localized waves supported by resonant anisotropic metasurfaces. , 2016, , .		0