

Anton K Samusev

List of Publications by Year in descending order

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68
papers

1,756
citations

393982

19
h-index

264894

42
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69
all docs

69
docs citations

69
times ranked

1926
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale Electrically Driven Light Source Based on Hybrid Semiconductor/Metal Nanoantenna. Journal of Physical Chemistry Letters, 2022, 13, 4612-4620.	2.1	5
2	Nanoscale Gallium Phosphide Epilayers on Sapphire for Low-Loss Visible Nanophotonics. ACS Applied Nano Materials, 2022, 5, 8846-8858.	2.4	7
3	Spectral Characteristics and Time Dynamics of Tunable Acoustic Resonators in the Strong Coupling Regime. JETP Letters, 2021, 113, 547-553.	0.4	2
4	Directly grown crystalline gallium phosphide on sapphire for nonlinear all-dielectric nanophotonics. Applied Physics Letters, 2021, 118, .	1.5	37
5	Probing Optical Losses and Dispersion of Fully Guided Waves through Critical Evanescent Coupling. JETP Letters, 2021, 113, 780-786.	0.4	1
6	Experimental observation of topological Z2 exciton-polaritons in transition metal dichalcogenide monolayers. Nature Communications, 2021, 12, 4425.	5.8	42
7	Eigenmode analysis of the waveguide-plasmon structure based on a-Si1-C :H layer with 1D gold grating. Photonics and Nanostructures - Fundamentals and Applications, 2021, 48, 100975.	1.0	2
8	Scanning Tunneling Microscopy-Induced Light Emission and $I(V)$ Study of Optical Near-Field Properties of Single Plasmonic Nanoantennas. Journal of Physical Chemistry Letters, 2021, 12, 501-507.	2.1	7
9	Probing guided monolayer semiconductor polaritons below the light line. Journal of Physics: Conference Series, 2021, 2015, 012069.	0.3	0
10	Up-conversion photoluminescence specificity of a hybrid sponge nanostructures. Journal of Physics: Conference Series, 2021, 2015, 012082.	0.3	0
11	Spatial mapping of optical modes in plasmonic nanoantenna by scanning tunneling microscopy. Journal of Physics: Conference Series, 2021, 2015, 012139.	0.3	0
12	STM Light Emission and $I(V)$ study of single gold nanoantenna. Journal of Physics: Conference Series, 2021, 2086, 012103.	0.3	0
13	Indirect Detection of the Light Emission in the Local Tunnel Junction. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900607.	1.2	6
14	Steering of Guided Light with Dielectric Nanoantennas. ACS Photonics, 2020, 7, 680-686.	3.2	28
15	Indirect observation of the light emission in the tunnel junction with metal nanodisk. AIP Conference Proceedings, 2020, , .	0.3	0
16	Measurement of local optomechanical properties of MoSe2 monolayers. AIP Conference Proceedings, 2020, , .	0.3	0
17	Nonlinear polaritons in a monolayer semiconductor coupled to optical bound states in the continuum. Light: Science and Applications, 2020, 9, 56.	7.7	124
18	Measuring full complex dispersion of guided modes and surface waves in planar photonic structures. AIP Conference Proceedings, 2020, , .	0.3	1

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19	Measurement of local optomechanical properties of a direct bandgap 2D semiconductor. APL Materials, 2019, 7, .	2.2	18
20	Crucial Role of Metal Surface Morphology in Photon Emission from a Tunnel Junction at Ambient Conditions. Journal of Physical Chemistry C, 2019, 123, 8813-8817.	1.5	8
21	Direct Imaging of Isofrequency Contours of Guided Modes in Extremely Anisotropic All-Dielectric Metasurface. ACS Photonics, 2019, 6, 510-515.	3.2	14
22	Visualization of Isofrequency Contours of Strongly Localized Waveguide Modes in Planar Dielectric Structures. JETP Letters, 2018, 107, 10-14.	0.4	6
23	Nanoscale Generation of White Light for Ultrabroadband Nanospectroscopy. Nano Letters, 2018, 18, 535-539.	4.5	52
24	2 <i>i>Ï€</i> steering of surface plasmon polaritons with silicon nanoantennas. Journal of Physics: Conference Series, 2018, 1092, 012140.</i>	0.3	2
25	Transition from Optical Bound States in the Continuum to Leaky Resonances: Role of Substrate and Roughness. ACS Photonics, 2017, 4, 723-727.	3.2	221
26	Resonant optical properties of crystalline silicon nanoparticles fabricated by laser ablation-based methods. AIP Conference Proceedings, 2017, , .	0.3	0
27	Chirality Driven by Magnetic Dipole Response for Demultiplexing of Surface Waves. Laser and Photonics Reviews, 2017, 11, 1700168.	4.4	52
28	Nanoscale optical high-temperature sensor. , 2017, , .		0
29	Polarization-resolved characterization of plasmon waves supported by an anisotropic metasurface. Optics Express, 2017, 25, 32631.	1.7	28
30	Dark-field spectroscopy of plasmon resonance in metal nanoislands: effect of shape and light polarization. Journal of Physics: Conference Series, 2016, 769, 012040.	0.3	1
31	Enhanced photonic spin Hall effect with subwavelength topological edge states. Laser and Photonics Reviews, 2016, 10, 656-664.	4.4	44
32	Enhancement of artificial magnetism via resonant bianisotropy. Scientific Reports, 2016, 6, 22546.	1.6	42
33	Optical bound state in the continuum in the one-dimensional photonic crystal slab: Theory and experiment. , 2016, , .		2
34	Resonant Raman scattering from silicon nanoparticles enhanced by magnetic response. Nanoscale, 2016, 8, 9721-9726.	2.8	128
35	Polarization control over electric and magnetic dipole resonances of dielectric nanoparticles on metallic films. Laser and Photonics Reviews, 2016, 10, 799-806.	4.4	81
36	Direct Femtosecond Laser Writing of Optical Nanoresonators. Journal of Physics: Conference Series, 2016, 690, 012021.	0.3	2

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37	Microwave platform as a valuable tool for characterization of nanophotonic devices. Scientific Reports, 2016, 6, 35516.	1.6	5
38	Single-stage fabrication of low-loss dielectric nanoresonators from high-loss material. Journal of Physics: Conference Series, 2016, 690, 012020.	0.3	4
39	Dark-field imaging as a noninvasive method for characterization of whispering gallery modes in microdisk cavities. Optics Letters, 2016, 41, 749.	1.7	6
40	Laser fabrication of crystalline silicon nanoresonators from an amorphous film for low-loss all-dielectric nanophotonics. Nanoscale, 2016, 8, 5043-5048.	2.8	103
41	From high-Q magnetic dipole scattering to broadband electric field localization by silicon nanoparticle on metal. , 2016, , .		0
42	Control of surface plasmon resonance in out-diffused silver nanoislands for surface-enhanced Raman scattering. Journal of Physics: Conference Series, 2015, 661, 012034.	0.3	1
43	Mapping plasmonic topological states at the nanoscale. Nanoscale, 2015, 7, 11904-11908.	2.8	78
44	Dark-field spectroscopy of whispering gallery mode cavities. , 2015, , .		0
45	Antireflective properties of periodic nanopore arrays. , 2015, , .		1
46	Direct measurements of magnetic and electric optical responses from silicon nanoparticles. , 2015, , .		0
47	Optical properties of woodpile photonic crystals produced by three-dimensional laser lithography. Physics of the Solid State, 2015, 57, 2494-2501.	0.2	10
48	Magnetic and Electric Hotspots with Silicon Nanodimers. Nano Letters, 2015, 15, 2137-2142.	4.5	361
49	Broadband antireflective coatings based on two-dimensional arrays of subwavelength nanopores. Applied Physics Letters, 2015, 106, 171913.	1.5	13
50	Probing magnetic and electric optical responses of silicon nanoparticles. Applied Physics Letters, 2015, 106, .	1.5	62
51	Invisibility of a finite dielectric cylinder under Fano resonance conditions. Physics of the Solid State, 2015, 57, 1991-1996.	0.2	9
52	Resonant Optical Properties of Single Out-Diffused Silver Nanoislands. Journal of Physical Chemistry C, 2015, 119, 26692-26697.	1.5	10
53	Demonstration of unusual nanoantenna array modes through direct reconstruction of the near-field signal. Nanoscale, 2015, 7, 765-770.	2.8	19
54	Observation of optical domino modes in arrays of non-resonant plasmonic nanoantennas. , 2014, , .		0

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55	Magnetic dipole radiation tailored by substrates: numerical investigation. Optics Express, 2014, 22, 10693.	1.7	43
56	Mapping electromagnetic fields near a subwavelength hole. JETP Letters, 2014, 99, 622-626.	0.4	13
57	Dimensionality effects on the optical diffraction from opal-based photonic structures. Physical Review B, 2013, 87, .	1.1	22
58	Optical diffraction from opal-based photonic structures: transition from 2D to 3D regimes. , 2012, , .		0
59	Small-angle X-ray diffraction investigation of twinned opal-like structures. Physics of the Solid State, 2012, 54, 2073-2082.	0.2	3
60	Light and Small-Angle X-Ray Diffraction from Opal-Like Structures. Series in Optics and Optoelectronics, 2012, , 275-300.	0.0	1
61	Disorder-induced Fano resonance in 1D photonic crystals. , 2011, , .		0
62	Two-dimensional light diffraction from thin opal films. Physics of the Solid State, 2011, 53, 1056-1061.	0.2	17
63	Selective control of light beams in diffraction experiments on synthetic opals. Physics of the Solid State, 2011, 53, 1415-1424.	0.2	5
64	Optical and microradian x-ray diffraction from opal-like films: Transition from 2D to 3D regimes. , 2011, , .		0
65	Peculiarities of the band structure of multi-component photonic crystals with different dimensions. Journal of Physics Condensed Matter, 2010, 22, 115401.	0.7	1
66	Selective stop-band switching in two-dimensional multicomponent photonic crystals. Physics of the Solid State, 2009, 51, 518-524.	0.2	5
67	Two-dimensional and 3D multi-component photonic crystals: theory and experiment. , 2008, , .		0
68	<title>Bragg diffraction of light as a powerful tool in the study of photonic crystals</title>. , 2006, , .		0