

# Andrey A Bogdanov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6326684/publications.pdf>

Version: 2024-02-01

186  
papers

5,991  
citations

126907

33  
h-index

74163

75  
g-index

188  
all docs

188  
docs citations

188  
times ranked

3210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent metaphotonics empowered by machine learning. <i>Opto-Electronic Advances</i> , 2022, 5, 210147-210147.	13.3	82
2	Bound States in the Continuum in Compact Acoustic Resonators. <i>Physical Review Letters</i> , 2022, 128, 084301.	7.8	28
3	Enhanced sensitivity of an all-dielectric refractive index sensor with an optical bound state in the continuum. <i>Physical Review A</i> , 2022, 105, .	2.5	17
4	Topologically enabled ultrahigh-Q chiroptical resonances by merging bound states in the continuum. <i>Optics Letters</i> , 2022, 47, 3291.	3.3	16
5	Nanoscale Gallium Phosphide Epilayers on Sapphire for Low-Loss Visible Nanophotonics. <i>ACS Applied Nano Materials</i> , 2022, 5, 8846-8858.	5.0	7
6	Bound states in the continuum in multipolar lattices. <i>Physical Review B</i> , 2022, 105, .	3.2	7
7	Observation of Supercavity Modes in Subwavelength Dielectric Resonators. <i>Advanced Materials</i> , 2021, 33, e2003804.	21.0	60
8	Exceptionally high coupling of light into optical fibers via all-dielectric nanostructures. , 2021, , .		0
9	Fano Resonances in Individual Dielectric Nanoantennas. , 2021, , .		0
10	A simple analytic approach to the problem of excitation of surface plasmon polaritons with a dipole nanoantenna. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2021, 43, 100895.	2.0	3
11	From Fano to Quasi-BIC Resonances in Individual Dielectric Nanoantennas. <i>Nano Letters</i> , 2021, 21, 1765-1771.	9.1	96
12	Fractional Charge States in the Magneto-Photoluminescence Spectra of Single-Electron InP/GaNP2 Quantum Dots. <i>Nanomaterials</i> , 2021, 11, 493.	4.1	3
13	Multipolar Engineering of Subwavelength Dielectric Particles for Scattering Enhancement. <i>Physical Review Applied</i> , 2021, 15, .	3.8	20
14	Observation of an Accidental Bound State in the Continuum in a Chain of Dielectric Disks. <i>Physical Review Applied</i> , 2021, 15, .	3.8	35
15	High-Permittivity Ceramic Tags Miniaturization for Long-Range RFID Applications. , 2021, , .		1
16	Excitation of a bound state in the continuum in nonlinear systems from the far field. , 2021, , .		0
17	Tuning exceptional points with Kerr nonlinearity. <i>Physical Review A</i> , 2021, 103, .	2.5	12
18	Record-breaking light coupling into nanostructured optical fibers under large incident angles. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Perfect Absorption of a Focused Light Beam by a Single Nanoparticle. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000430.	8.7	5
20	Excitation of a bound state in the continuum via spontaneous symmetry breaking. <i>Physical Review B</i> , 2021, 103, .	3.2	4
21	Photonic Bound States in the Continuum in Si Structures with the Self-Assembled Ge Nanoislands. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000242.	8.7	30
22	Long-Range Miniaturized Ceramic RFID Tags. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 3125-3131.	5.1	25
23	Omnidirectional miniature RFID tag. <i>Applied Physics Letters</i> , 2021, 119, 033503.	3.3	9
24	Observation of Ultrafast Self-Action Effects in Resonant Dielectric Metasurfaces. , 2021, , .		0
25	Observation of Ultrafast Self-Action Effects in Quasi-BIC Resonant Metasurfaces. <i>Nano Letters</i> , 2021, 21, 8848-8855.	9.1	33
26	Scanning Tunneling Microscopy-Induced Light Emission and $\langle I \rangle$ ( $\langle V \rangle$ ) Study of Optical Near-Field Properties of Single Plasmonic Nanoantennas. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 501-507.	4.6	7
27	Generalization of exceptional point conditions in perturbed coupled resonators. <i>Physical Review B</i> , 2021, 104, .	3.2	3
28	Analytical Calculations of Scattering Amplitude of Surface Plasmon Polaritons Excited by a Spherical Nanoantenna. <i>Nanomaterials</i> , 2021, 11, 2937.	4.1	2
29	Photonic BICs in Si structures with Ge self-assembled quantum dots. , 2021, , .		0
30	Chipless wireless temperature sensor based on quasi-BIC resonance. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	14
31	Polarization degeneracy of TE and TM eigenmodes for dielectric metasurface in the microwave. <i>Journal of Physics: Conference Series</i> , 2021, 2015, 012008.	0.4	2
32	Anapole-enabled RFID security against far-field attacks. <i>Nanophotonics</i> , 2021, 10, 4409-4418.	6.0	5
33	The science of harnessing light's darkness. <i>Nanophotonics</i> , 2021, 10, 4171-4173.	6.0	2
34	Second harmonic generation in hybrid GaP/Au nanocylinders. <i>Journal of Physics: Conference Series</i> , 2021, 2015, 012172.	0.4	1
35	Bound states in the continuum in periodic structures with structural disorder. <i>Nanophotonics</i> , 2021, 10, 4313-4321.	6.0	25
36	Miniaturized all-angle accessible RFID tag. <i>Journal of Physics: Conference Series</i> , 2021, 2015, 012092.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Spatial mapping of optical modes in plasmonic nanoantenna by scanning tunneling microscopy. Journal of Physics: Conference Series, 2021, 2015, 012139.	0.4	0
38	Canalization, routing and polarization peculiarities of hyperbolic plasmon-polaritons on resonant anisotropic metasurfaces. , 2021, , .		0
39	Angular Pinning of Accidental Bound State in the Continuum. , 2021, , .		1
40	STM Light Emission and I(V) study of single gold nanoantenna. Journal of Physics: Conference Series, 2021, 2086, 012103.	0.4	0
41	Photonic Spin Hall Effect: Contribution of Polarization Mixing Caused by Anisotropy. Quantum Reports, 2020, 2, 489-500.	1.3	23
42	Nanostructure-Empowered Efficient Coupling of Light into Optical Fibers at Extraordinarily Large Angles. ACS Photonics, 2020, 7, 2834-2841.	6.6	20
43	Steering of Guided Light with Dielectric Nanoantennas. ACS Photonics, 2020, 7, 680-686.	6.6	28
44	Symmetry analysis and multipole classification of eigenmodes in electromagnetic resonators for engineering their optical properties. Physical Review B, 2020, 102, .	3.2	51
45	Sublayer induced enhancement of electric and magnetic dipole scattering of dielectric nanoparticles. Journal of Physics: Conference Series, 2020, 1461, 012133.	0.4	0
46	Bound states in the continuum supported by two-layered wires structure. Journal of Physics: Conference Series, 2020, 1461, 012145.	0.4	0
47	Polarization hybridization of surface waves on anisotropic metasurface. Journal of Physics: Conference Series, 2020, 1461, 012196.	0.4	0
48	Calculation of the 1D grating scattering matrix frequency derivatives. Journal of Physics: Conference Series, 2020, 1461, 012159.	0.4	0
49	Optical bistability with bound states in the continuum in dielectric gratings. Physical Review A, 2020, 102, .	2.5	30
50	Multipole engineering for enhanced backscattering modulation. Physical Review B, 2020, 102, .	3.2	15
51	Polarization-controlled selective excitation of Mie resonances in a dielectric nanoparticle on a coated substrate. Physical Review B, 2020, 102, .	3.2	5
52	Dynamics of a dark mode excitation in nonlinear systems. AIP Conference Proceedings, 2020, , .	0.4	0
53	Noise reduction using structures based on coupled Helmholtz resonators. AIP Conference Proceedings, 2020, , .	0.4	3
54	Symmetry analysis of multipolar contributions to eigenmodes of optical resonators. Journal of Physics: Conference Series, 2020, 1461, 012049.	0.4	0

#	ARTICLE	IF	CITATIONS
55	Controlling Energy Spectra and Whispering Gallery Modes of Electrons in a Few Electrons Lateral QD. Journal of Physics: Conference Series, 2020, 1461, 012135.	0.4	1
56	Subwavelength dielectric resonators for nonlinear nanophotonics. Science, 2020, 367, 288-292.	12.6	575
57	Electrically driven metal and all-dielectric nanoantennas for plasmon polariton excitation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 244, 106825.	2.3	8
58	Fabrication of halide-perovskite resonant microcylinders by nanoimprint lithography. Journal of Physics: Conference Series, 2020, 1461, 012178.	0.4	0
59	Dyakonov-like surface waves in anisotropic cylindrical waveguides. Physical Review B, 2020, 101, .	3.2	8
60	Engineering with Bound States in the Continuum. Optics and Photonics News, 2020, 31, 38.	0.5	79
61	Radiation outcoupling efficiency from hyperbolic metamaterial resonators of various shapes. AIP Conference Proceedings, 2020, , .	0.4	0
62	Observation of Quasi-BIC Modes and Fano Resonances in Individual Subwavelength Dielectric Resonators. , 2020, , .		0
63	Observation of Supercavity Modes in Individual Subwavelength Dielectric Resonators. , 2020, , .		0
64	Fano resonances in individual AlGaAs nanoparticles driven by quasi-BIC modes. , 2020, , .		0
65	Tuning 2nd and 3rd order exceptional points with Kerr nonlinearity. AIP Conference Proceedings, 2020, , .	0.4	2
66	Polarization driven control over scattering of a silicon nanoparticle on one-layered substrate. AIP Conference Proceedings, 2020, , .	0.4	0
67	Hybrid silicon-phase change nanoantenna for surface plasmon polariton routing. AIP Conference Proceedings, 2020, , .	0.4	1
68	Compact ceramic resonators for RFID applications. AIP Conference Proceedings, 2020, , .	0.4	0
69	Analysis of multipolar contributions to eigenmodes in resonators of various shapes. , 2020, , .		0
70	Polarization States of Surface Electromagnetic Waves on Resonant Anisotropic Metasurfaces: from Theory to Experimental Verification in Microwaves. , 2020, , .		2
71	High-Q states in subwavelength dielectric resonators forming in strong mode coupling regime. , 2019, , .		0
72	Investigation of the Lower Limit of the Applicability of Effective Medium Approximation for Hyperbolic Metamaterials. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
73	Multipolar origin of bound states in the continuum. <i>Physical Review B</i> , 2019, 100, .	3.2	168
74	Investigation of effective media applicability for ultrathin multilayer structures. <i>Nanoscale</i> , 2019, 11, 12582-12588.	5.6	34
75	Experimental observation of a symmetry-protected bound state in the continuum in a chain of dielectric disks. <i>Physical Review A</i> , 2019, 99, .	2.5	75
76	Single-Mode Lasing from Imprinted Halide-Perovskite Microdisks. <i>ACS Nano</i> , 2019, 13, 4140-4147.	14.6	134
77	Crucial Role of Metal Surface Morphology in Photon Emission from a Tunnel Junction at Ambient Conditions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 8813-8817.	3.1	8
78	Optical binding via surface plasmon polariton interference. <i>Physical Review B</i> , 2019, 99, .	3.2	52
79	Nonradiating photonics with resonant dielectric nanostructures. <i>Nanophotonics</i> , 2019, 8, 725-745.	6.0	310
80	Compact static mass spectrometer for medical diagnostics. <i>Journal of Physics: Conference Series</i> , 2019, 1400, 033015.	0.4	0
81	Two-dimensional position-sensitive spectrometer for registration of ionizing radiation. <i>Journal of Physics: Conference Series</i> , 2019, 1400, 055050.	0.4	1
82	A Multichannel Spectrometric Readout System for Strip Semiconductor Detectors. <i>Instruments and Experimental Techniques</i> , 2019, 62, 764-770.	0.5	1
83	Multipole analysis of bound states in the continuum supported by a periodic array of spheres. , 2019, , .		1
84	Direct Near-Field Observation of Surface Plasmon Polaritons on Silver Nanowires. <i>ACS Omega</i> , 2019, 4, 21962-21966.	3.5	13
85	Filling of In(Ga)P/GaN quantum dot electron states detected by microphotoluminescence. <i>Journal of Physics: Conference Series</i> , 2019, 1400, 077013.	0.4	1
86	How Thin Multilayer Hyperbolic Metamaterial Can Be?. , 2019, , .		0
87	Numerical and analytical models for calculating optical forces near auxiliary plasmonic substrates. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
88	Visualization of isofrequency contours of guided modes in all-dielectric hyperbolic-like metasurface. , 2019, , .		0
89	Broadband Polarization Degeneracy of Guided Waves in Subwavelength Structured ZnO Pattern. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-7.	2.9	12
90	Enhanced temperature-tunable narrow-band photoluminescence from resonant perovskite nanograting. <i>Applied Surface Science</i> , 2019, 473, 419-424.	6.1	25

#	ARTICLE	IF	CITATIONS
91	Direct Imaging of Isofrequency Contours of Guided Modes in Extremely Anisotropic All-Dielectric Metasurface. ACS Photonics, 2019, 6, 510-515.	6.6	14
92	Meta-optics and bound states in the continuum. Science Bulletin, 2019, 64, 836-842.	9.0	325
93	High-harmonic generation at the nanoscale boosted by bound states in the continuum. Physical Review Research, 2019, 1, .	3.6	95
94	Bound states in the continuum and Fano resonances in the strong mode coupling regime. Advanced Photonics, 2019, 1, 1.	11.8	247
95	Boosting Second-Harmonic Generation in Nonlinear Metasurfaces with Bound States in the Continuum. , 2019, , .		2
96	Experimental Observation of Dyakonov Plasmons in the Mid-Infrared. Semiconductors, 2018, 52, 442-446.	0.5	27
97	Visualization of Isofrequency Contours of Strongly Localized Waveguide Modes in Planar Dielectric Structures. JETP Letters, 2018, 107, 10-14.	1.4	6
98	Effect of finite lateral size of dielectric grating on optical bound state in the continuum. Journal of Physics: Conference Series, 2018, 1092, 012127.	0.4	0
99	Direct near-field mapping of nano-sphere-excited leaky surface modes at anisotropic metasurface. Journal of Physics: Conference Series, 2018, 1092, 012165.	0.4	0
100	Eigenmodes degeneracy with Huygens-like all-dielectric metasurface. Journal of Physics: Conference Series, 2018, 1092, 012169.	0.4	0
101	Quasi-Bound States in the Continuum in a Finite Chain of Dielectric Scatterers: Theory and Experiment. , 2018, , .		0
102	Asymmetric Metasurfaces with High- $Q$ Resonances Governed by Bound States in the Continuum. Physical Review Letters, 2018, 121, 193903.	7.8	983
103	Metamaterial substrates for optical pulling forces. , 2018, , .		0
104	Near-Field Observation of Guided-Mode Resonances on a Metasurface via Dielectric Nanosphere Excitation. ACS Photonics, 2018, 5, 4238-4243.	6.6	4
105	Experimental observation of hybrid TE-TM polarized surface waves supported by a hyperbolic metasurface. Physical Review B, 2018, 98, .	3.2	30
106	$\epsilon$ steering of surface plasmon polaritons with silicon nanoantennas. Journal of Physics: Conference Series, 2018, 1092, 012140.	0.4	2
107	High-Q states and Strong mode coupling in high-index dielectric resonators.. Journal of Physics: Conference Series, 2018, 1124, 051058.	0.4	7
108	Experimental observation of symmetry protected bound state in the radiation continuum in the periodic array of ceramic disks. Journal of Physics: Conference Series, 2018, 1124, 051057.	0.4	1

#	ARTICLE	IF	CITATIONS
109	Bound state in the continuum in 1D chain of dielectric disks: theory and experiment. Journal of Physics: Conference Series, 2018, 1092, 012012.	0.4	3
110	Effective surface conductivity of optical hyperbolic metasurfaces: from far-field characterization to surface wave analysis. Scientific Reports, 2018, 8, 14135.	3.3	31
111	Enhanced light outcoupling in microdisk lasers via Si spherical nanoantennas. Journal of Applied Physics, 2018, 124, .	2.5	17
112	Tractor beams at metamaterial substrates. Journal of Physics: Conference Series, 2018, 1092, 012132.	0.4	1
113	Strong coupling between excitons in transition metal dichalcogenides and optical bound states in the continuum. Physical Review B, 2018, 98, .	3.2	75
114	Optomechanical Manipulation with Hyperbolic Metasurfaces. ACS Photonics, 2018, 5, 4371-4377.	6.6	62
115	Nonlinear bound states in the continuum of a one-dimensional photonic crystal slab. Physical Review B, 2018, 97, .	3.2	73
116	Photoluminescence behavior of nanoimprinted halide perovskite at low temperatures. , 2018, , .		0
117	Plasmonic anisotropic metasurfaces: from far-field measurements to near-field properties. , 2018, , .		0
118	Light Outcoupling from Quantum Dot-Based Microdisk Laser via Plasmonic Nanoantenna. ACS Photonics, 2017, 4, 275-281.	6.6	39
119	Plasmon-assisted optical trapping and anti-trapping. Light: Science and Applications, 2017, 6, e16258-e16258.	16.6	69
120	Tunable spin-directional coupling for surface localized waves with anisotropic metasurface. Proceedings of SPIE, 2017, , .	0.8	1
121	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
122	Excitonic lasing of strain-free InP(As) quantum dots in AlInAs microdisk. Applied Physics Letters, 2017, 110, .	3.3	3
123	Midinfrared Surface Waves on a High Aspect Ratio Nanotrench Platform. ACS Photonics, 2017, 4, 2899-2907.	6.6	57
124	Effect of substrate on optical bound states in the continuum in 1D photonic structures. AIP Conference Proceedings, 2017, , .	0.4	2
125	Theory of Fano resonance for scattering spectrum of all-dielectric spherical resonators. AIP Conference Proceedings, 2017, , .	0.4	0
126	Retrieval procedure of effective conductivity for plasmonic resonant anisotropic metasurface. AIP Conference Proceedings, 2017, , .	0.4	1



#	ARTICLE	IF	CITATIONS
127	Photoluminescence behavior of nanoimprinted halide perovskite at low temperatures. AIP Conference Proceedings, 2017, , .	0.4	0
128	Demultiplexing surface waves with silicon nanoantennas. AIP Conference Proceedings, 2017, , .	0.4	0
129	Chirality Driven by Magnetic Dipole Response for Demultiplexing of Surface Waves. Laser and Photonics Reviews, 2017, 11, 1700168.	8.7	52
130	Lasing in microdisks with an active region based on lattice-matched InP/AlInAs nanostructures. Technical Physics, 2017, 62, 1082-1086.	0.7	0
131	High- $Q$ Supercavity Modes in Subwavelength Dielectric Resonators. Physical Review Letters, 2017, 119, 243901.	7.8	474
132	Photonic surface waves on metamaterial interfaces. Journal of Physics Condensed Matter, 2017, 29, 463001.	1.8	86
133	Plasmonic nanoantenna for enhancement of vertical emission from whispering gallery mode laser. , 2017, , .		0
134	The motion of nanoparticles under the non-conservative forces mediated by surface plasmon polaritons. Journal of Physics: Conference Series, 2017, 917, 062056.	0.4	0
135	Destruction of symmetry protected optical bound state in the continuum by high-index substrate and roughnesses. , 2017, , .		0
136	Plasmonic trapping and antitrapping of nanoparticles. , 2017, , .		0
137	Recoil force of surface plasmon polariton. , 2017, , .		0
138	Optical antitrapping of nanoparticles in Gaussian beam due to surface modes of a substrate. , 2017, , .		0
139	Nonlocal homogenization of coated wire medium. , 2017, , .		0
140	Optical binding near a planar interface. , 2017, , .		0
141	Optical binding of two nanoparticles near interface. , 2017, , .		0
142	Effective conductivity tensor of plasmonic anisotropic metasurface: Theory and experiment. , 2017, , .		0
143	Optical bound state in the continuum in the one-dimensional photonic structures: Transition into a resonant state. , 2017, , .		1
144	Dispersion of surface waves in all-dielectric hyperbolic metasurfaces. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
145	Polarization-resolved characterization of plasmon waves supported by an anisotropic metasurface. Optics Express, 2017, 25, 32631.	3.4	28
146	High-Q resonances with low azimuthal indices in all-dielectric high-index nanoparticles. , 2017, , .		0
147	Optical pulling force in the vicinity of plasmonic interfaces. , 2016, , .		0
148	New degrees of freedom of spin-optonics implemented by using hybrid surface waves localized at hyperbolic metasurface. , 2016, , .		0
149	Hybrid surface plasmon polaritons localized at anisotropic metasurface. , 2016, , .		2
150	Plasmonic substrates for optical tweezers. , 2016, , .		0
151	Optical bound state in the continuum in the one-dimensional photonic crystal slab: Theory and experiment. , 2016, , .		2
152	Interplay between anisotropy and spatial dispersion in metamaterial waveguides. Physical Review B, 2016, 94, .	3.2	13
153	Bound state in the continuum in the one-dimensional photonic crystal slab. Journal of Physics: Conference Series, 2016, 741, 012122.	0.4	19
154	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
155	Surface plasmon polariton assisted optical pulling force. Laser and Photonics Reviews, 2016, 10, 116-122.	8.7	115
156	Spin control of light with hyperbolic metasurfaces. Physical Review B, 2016, 94, .	3.2	71
157	Tamm-Langmuir surface waves. Physical Review A, 2016, 94, .	2.5	3
158	Nonlocality in anisotropic optical metamaterials. , 2016, , .		0
159	Topological transition in coated wire medium. Physica Status Solidi - Rapid Research Letters, 2016, 10, 900-904.	2.4	13
160	Slow light in nonlocal anisotropic metamaterials. , 2016, , .		0
161	Improved emission outcoupling from microdisk laser by Si nanospheres. Journal of Physics: Conference Series, 2016, 741, 012158.	0.4	5
162	Dark-field imaging as a noninvasive method for characterization of whispering gallery modes in microdisk cavities. Optics Letters, 2016, 41, 749.	3.3	6

#	ARTICLE	IF	CITATIONS
163	Attraction Optical Forces inside Hyperbolic Metamaterials. , 2016, , .		1
164	From high-Q magnetic dipole scattering to broadband electric field localization by silicon nanoparticle on metal. , 2016, , .		0
165	Optical forces in nanorod metamaterials: beyond the effective medium approach. , 2016, , .		0
166	Hybrid localized waves supported by resonant anisotropic metasurfaces. , 2016, , .		0
167	Optical forces in nanorod metamaterial. Scientific Reports, 2015, 5, 15846.	3.3	44
168	Temperature-tunable semiconductor metamaterial. Physical Review B, 2015, 92, .	3.2	20
169	Homogenization of quantum metamaterial. , 2015, , .		0
170	Optical forces induced at the metal surface. , 2015, , .		0
171	Temperature induced topological transition in semiconductor metamaterial. , 2015, , .		0
172	Dark-field spectroscopy of whispering gallery mode cavities. , 2015, , .		0
173	New types of surface waves on hyperbolic metasurface. , 2015, , .		1
174	Hybrid waves localized at hyperbolic metasurfaces. Physical Review B, 2015, 91, .	3.2	126
175	Optical pulling forces in hyperbolic metamaterials. Physical Review A, 2015, 91, .	2.5	53
176	Mode selection in InAs quantum dot microdisk lasers using focused ion beam technique. Optics Letters, 2015, 40, 4022.	3.3	18
177	Ultrasmall microdisk and microring lasers based on InAs/InGaAs/GaAs quantum dots. Nanoscale Research Letters, 2014, 9, 3266.	5.7	43
178	Control of emission spectra in quantum dot microdisk/microring lasers. Optics Express, 2014, 22, 25782.	3.4	15
179	Lasing in microdisks of ultrasmall diameter. Semiconductors, 2014, 48, 1626-1630.	0.5	9
180	High-Temperature Lasing and Control of Emission Spectra in Microdisk and Microring Lasers with Quantum Dots. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
181	Basic technology for developing cost-effective thermal waste recycling industry. Russian Journal of Physical Chemistry B, 2012, 6, 643-646.	1.3	0
182	Effect of the anisotropy of a conducting layer on the dispersion law of electromagnetic waves in layered metal-dielectric structures. JETP Letters, 2012, 96, 49-55.	1.4	22
183	ENUMERATING THE $k$ -TANGLE PROJECTIONS. Journal of Knot Theory and Its Ramifications, 2012, 21, 1250069.	0.3	3
184	Theoretical analysis of free carrier absorption in the cavity of a quantum cascade laser. Physica Status Solidi (B): Basic Research, 2012, 249, 885-895.	1.5	4
185	Mode structure of a quantum cascade laser. Physical Review B, 2011, 83, .	3.2	18
186	Mass-spectrometric study of the electron-beam-stimulated conversion of sulfur dioxide. Technical Physics Letters, 2009, 35, 657-660.	0.7	1