

# Sergei G Tikhodeev

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

160 papers	4,374 citations	33 h-index	63 g-index
182 ext. papers	4,822 ext. citations	2.6 avg, IF	5.09 L-index

#	Paper	IF	Citations
160	Eigenmode analysis of the waveguide-plasmon structure based on a-Si <sub>1-x</sub> C <sub>x</sub> :H layer with 1D gold grating. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2021</b> , 48, 100975	2.6	
159	Influence of disorder on a Bragg microcavity. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2021</b> , 38, 139	1.7	2
158	Photonic Bound States in the Continuum in Si Structures with the Self-Assembled Ge Nanoislands. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 2000242	8.3	8
157	Spectral Fourier-microscopy of the periodic structures based on Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> . <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2103, 012173	0.3	
156	Emitting properties of a-Si:C:H films with a gold submicron grating. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1461, 012126	0.3	
155	Fourier-Imaging Spectroscopy of Two-Dimensional Gold Nanodisk Array on Photoluminescent Layer. <i>Semiconductors</i> , <b>2020</b> , 54, 1893-1896	0.7	1
154	Vertical Routing of Spinning-Dipole Radiation from a Chiral Metasurface. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	3
153	Tunable green lasing from circular grating distributed feedback based on CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> perovskite. <i>Optical Materials Express</i> , <b>2019</b> , 9, 2006	2.6	12
152	Wide-band enhancement of the transverse magneto-optical Kerr effect in magnetite-based plasmonic crystals. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	11
151	Transverse magneto-optical Kerr effect in magnetoplasmonic waveguide structures based on Fe <sub>3</sub> O <sub>4</sub> . <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1400, 066014	0.3	
150	Plasmon induced modification of silicon nanocrystals photoluminescence in presence of gold nanostripes. <i>Scientific Reports</i> , <b>2018</b> , 8, 4911	4.9	18
149	Temperature dependent two-photon photoluminescence of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> : structural phase and exciton to free carrier transition. <i>Optical Materials Express</i> , <b>2018</b> , 8, 511	2.6	22
148	All-carbon diamond/graphite metasurface: Experiment and modeling. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 041101	3.4	8
147	Transverse Magneto-Optical Kerr Effect in Magnetite Covered by Array of Gold Nanostripes. <i>Semiconductors</i> , <b>2018</b> , 52, 1857-1860	0.7	5
146	Elliptically polarized exciton-polariton condensate in a semiconductor microcavity with a chiral photonic crystal slab. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1092, 012071	0.3	
145	Effect of grain orientation on properties of diamond/graphite metasurface fabricated by laser direct-write. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1092, 012061	0.3	3
144	Magnetic field free circularly polarized thermal emission from a chiral metasurface. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	16

143	Quasiguidded modes of opaline photonic crystals covered by Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	8
142	Analytical normalization of resonant states in photonic crystal slabs and periodic arrays of nanoantennas at oblique incidence. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	32
141	Plasmonic Analog of Electromagnetically Induced Absorption Leads to Giant Thin Film Faraday Rotation of 14°. <i>Physical Review X</i> , <b>2017</b> , 7,	9.1	25
140	Polarization, spectral, and spatial emission characteristics of chiral semiconductor nanostructures. <i>JETP Letters</i> , <b>2017</b> , 106, 643-647	1.2	4
139	Control of light polarization by voltage in excitonic metasurface devices. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 241101	3.4	2
138	Optical properties of silicon nanocrystals covered by periodic array of gold nanowires. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	13
137	Circularly polarized lasing in chiral modulated semiconductor microcavity with GaAs quantum wells. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 171106	3.4	10
136	Lorentz Nonreciprocal Model for Hybrid Magnetoplasmonics. <i>Physical Review Letters</i> , <b>2016</b> , 117, 063901	7.4	13
135	Transient spectroscopy of near-condensate modes in the system of exciton polaritons in a semiconductor microcavity. <i>JETP Letters</i> , <b>2015</b> , 101, 7-11	1.2	4
134	Polarization control of quantum dot emission by chiral photonic crystal slabs. <i>Optics Letters</i> , <b>2015</b> , 40, 1528-31	3	23
133	Transient optical parametric oscillations in resonantly pumped multistable cavity polariton condensates. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	5
132	Controlling circular polarization of light emitted by quantum dots using chiral photonic crystal slabs. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	25
131	Circularly polarized light emission from chiral spatially-structured planar semiconductor microcavities. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	37
130	Isotope effect in acetylene C <sub>2</sub> H <sub>2</sub> and C <sub>2</sub> D <sub>2</sub> rotations on Cu(001). <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	3
129	Tunable Microcavity Based on Macroporous Silicon: Feasibility of Fabrication. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 2694-2700	4	1
128	Surface Tamm states in a photonic crystal slab with asymmetric termination. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2013</b> , 7, 481-484	2.5	4
127	Rotation of a single acetylene molecule on Cu(001) by tunneling electrons in STM. <i>Physical Review Letters</i> , <b>2013</b> , 111, 186102	7.4	13
126	Metal-dielectric photonic crystal superlattice: 1D and 2D models and empty lattice approximation. <i>Physica B: Condensed Matter</i> , <b>2012</b> , 407, 4037-4042	2.8	13

125	Emission properties of an oscillating point dipole from a gold Yagi-Uda nanoantenna array. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	27
124	Surface states in the optical spectra of two-dimensional photonic crystals with various surface terminations. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	26
123	Bistability and nonequilibrium transitions in the system of cavity polaritons under nanosecond-long resonant excitation. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	29
122	Polariton Nonlinear Dynamics: Theory and Experiments. <i>Springer Series in Solid-state Sciences</i> , <b>2012</b> , 43-65.4		1
121	Derivation of plasmonic resonances in the Fourier modal method with adaptive spatial resolution and matched coordinates. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2011</b> , 28, 238-44	1.8	37
120	Control of magnetic dipole terahertz radiation by cavity-based phase modulation. <i>Optics Express</i> , <b>2011</b> , 19, 22550-6	3.3	8
119	Optical fano resonances in photonic crystal slabs near diffraction threshold anomalies. <i>JETP Letters</i> , <b>2011</b> , 93, 427-430	1.2	16
118	Radiation from an oscillating point dipole from a photonic crystal layer of dielectric nanocolumns. <i>JETP Letters</i> , <b>2011</b> , 93, 555-558	1.2	1
117	Parametric scattering in a system of quasi-two-dimensional exciton polaritons under photoexcitation near the bottom of the upper polariton branch. <i>JETP Letters</i> , <b>2011</b> , 94, 647-652	1.2	4
116	Strong resonant mode coupling of Fabry-Berrot and grating resonances in stacked two-layer systems. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2011</b> , 9, 390-397	2.6	13
115	Optical properties of grooved silicon microstructures: Theory and experiment. <i>Journal of Experimental and Theoretical Physics</i> , <b>2011</b> , 113, 80-85	1	7
114	Tailoring the photonic band splitting in metallodielectric photonic crystal superlattices. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	8
113	Optical spectra of two-dimensional photonic crystal bars based on macroporous Si <b>2011</b> ,		2
112	Polarization instability in a polariton system in semiconductor microcavities. <i>JETP Letters</i> , <b>2010</b> , 92, 171-178	1.2	20
111	On the development time of the parametric instability of polariton-polariton scattering in a planar semiconductor microcavity. <i>JETP Letters</i> , <b>2010</b> , 92, 547-551	1.2	1
110	Resonant mode coupling of optical resonances in stacked nanostructures. <i>Optics Express</i> , <b>2010</b> , 18, 7569-7574	3.3	40
109	Multistability of the optical response in a system of quasi-two-dimensional exciton polaritons. <i>Journal of Experimental and Theoretical Physics</i> , <b>2010</b> , 110, 825-836	1	39
108	How vibrationally assisted tunneling with STM affects the motions and reactions of single adsorbates. <i>Physical Review Letters</i> , <b>2009</b> , 102, 246101	7.4	28

107	Application of the scattering matrix method for calculating the optical properties of metamaterials. <i>Physics-Uspekhi</i> , <b>2009</b> , 52, 967-971	2.8	12
106	Plasmon-polariton effects in nanostructured metal-dielectric photonic crystals and metamaterials. <i>Physics-Uspekhi</i> , <b>2009</b> , 52, 945-949	2.8	3
105	Numerical methods for calculation of optical properties of layered structures <b>2009</b> ,		8
104	Surface plasmon polaritons in metallo-dielectric meander-type gratings. <i>JETP Letters</i> , <b>2009</b> , 90, 355-358	1.2	4
103	Effective electromagnetic response of nanostructured metal-dielectric metamaterials. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2009</b> , 73, 88-90	0.4	
102	Matched coordinates and adaptive spatial resolution in the Fourier modal method. <i>Optics Express</i> , <b>2009</b> , 17, 8051-61	3.3	93
101	Efficient calculation of the optical properties of stacked metamaterials with a Fourier modal method. <i>Journal of Optics</i> , <b>2009</b> , 11, 114019		32
100	Transverse photovoltage induced by circularly polarized light. <i>Physical Review Letters</i> , <b>2009</b> , 103, 103906	7.4	39
99	Calculation of complex shapes in the Fourier modal method through the concept of coordinate transformations <b>2009</b> ,		1
98	Application of the scattering matrix method for calculating the optical properties of metamaterials. <i>Uspekhi Fizicheskikh Nauk</i> , <b>2009</b> , 179, 1027	0.5	5
97	Near-field-induced tunability of surface plasmon polaritons in composite metallic nanostructures. <i>Journal of Microscopy</i> , <b>2008</b> , 229, 344-53	1.9	35
96	Symmetry breaking in a plasmonic metamaterial at optical wavelength. <i>Nano Letters</i> , <b>2008</b> , 8, 2171-5	11.5	200
95	Self-organization of multiple polariton-polariton scattering in semiconductor microcavities. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	51
94	Kinetics of stimulated polariton scattering in planar microcavities: evidence for a dynamically self-organized optical parametric oscillator. <i>Physical Review Letters</i> , <b>2008</b> , 101, 136401	7.4	32
93	Controlling the Fano interference in a plasmonic lattice. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	157
92	Polarization multistability of cavity polaritons. <i>Physical Review Letters</i> , <b>2007</b> , 98, 236401	7.4	153
91	Problems of Condensed Matter Physics <b>2007</b> ,		3
90	Stimulated parametric scattering of excitonic polaritons in planar GaAs microcavities: Distinctive feature of QW electric field. <i>Solid State Communications</i> , <b>2007</b> , 144, 384-389	1.6	2

89	Theory of inelastic tunneling spectroscopy of a single molecule [Competition between elastic and inelastic current. <i>Surface Science</i> , <b>2007</b> , 601, 5220-5225	1.8	47
88	Hard mode of stimulated scattering in the system of quasi-two-dimensional exciton polaritons. <i>Journal of Experimental and Theoretical Physics</i> , <b>2007</b> , 104, 715-723	1	18
87	Optical fuse effect in a tunable liquid crystal waveguide with a Cr grating coupler. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 173119	3.4	3
86	Optimized Design of Plasmonic MSM Photodetector. <i>IEEE Journal of Quantum Electronics</i> , <b>2007</b> , 43, 855-859	42	
85	Metallodielectric photonic crystal superlattices: Influence of periodic defects on transmission properties. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	28
84	Linear and nonlinear optical properties of strongly coupled metal nanoparticles <b>2006</b> ,	1	
83	Optical Properties of Planar MetalloDielectric Photonic Crystals <b>2006</b> , 85-108		
82	Controlling the interaction between localized and delocalized surface plasmon modes: Experiment and numerical calculations. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	100
81	Interaction between localized and delocalized surface plasmon polariton modes in a metallic photonic crystal. <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 2344-2348	1.3	31
80	Optical switching in metallic photonic crystal slabs with photoaddressable polymers. <i>Applied Physics B: Lasers and Optics</i> , <b>2006</b> , 82, 543-547	1.9	29
79	Optical properties of photonic crystal slabs with an asymmetrical unit cell. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	74
78	Waveguide plasmon polaritons in metal-dielectric photonic crystal slabs. <i>Physics of the Solid State</i> , <b>2005</b> , 47, 145	0.8	7
77	Large-area metallic photonic crystal fabrication with interference lithography and dry etching. <i>Applied Physics B: Lasers and Optics</i> , <b>2005</b> , 81, 271-275	1.9	45
76	Theory of inelastic tunneling and its relation to vibrational excitation in ladder climbing processes of single adsorbates. <i>Surface Science</i> , <b>2005</b> , 587, 25-33	1.8	7
75	Waveguide-plasmon polaritons in photonic crystal slabs with metal nanowires. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2005</b> , 2, 795-800		12
74	Bistability vs stimulated scattering in semiconductor microcavities. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2005</b> , 2, 744-750		2
73	Stimulated polaritonpolariton scattering in semiconductor microcavities. <i>Physics-Uspekhi</i> , <b>2005</b> , 48, 312-318	2.8	9
72	Hard excitation of stimulated polaritonpolariton scattering in semiconductor microcavities. <i>Physics-Uspekhi</i> , <b>2005</b> , 48, 306-312	2.8	12

71	Hard excitation of stimulated polariton ? polariton scattering in semiconductor microcavities. <i>Uspekhi Fizicheskikh Nauk</i> , <b>2005</b> , 175, 327	0.5	11
70	Stimulated polariton ? polariton scattering in semiconductor microcavities. <i>Uspekhi Fizicheskikh Nauk</i> , <b>2005</b> , 175, 334	0.5	6
69	Coulomb correction to the dressed exciton in an inorganic-organic layered semiconductor: Detuning dependence of the Stark shift. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	13
68	Relation between inelastic electron tunneling and vibrational excitation of single adsorbates on metal surfaces. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	61
67	Multiple-polariton scattering in a semiconductor microcavity. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S3653-S3664	1.8	23
66	Nonlinear dynamics of polariton scattering in semiconductor microcavity: Bistability vs. stimulated scattering. <i>Europhysics Letters</i> , <b>2004</b> , 67, 997-1003	1.6	102
65	Optical properties of planar metallic photonic crystal structures: Experiment and theory. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	185
64	Polariton polariton scattering and the nonequilibrium condensation of exciton polaritons in semiconductor microcavities. <i>Physics-Uspekhi</i> , <b>2003</b> , 46, 967-971	2.8	9
63	Ultrafast spontaneous emission: Exciton radiative decay vs phonon scattering and disorder. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2003</b> , 1421-1424		1
62	Plasmon polaritons in a metallic photonic crystal slab. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2003</b> , 1393-1396		3
61	Spectral features of inelastic electron transport via a localized state. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	92
60	Waveguide-plasmon polaritons: strong coupling of photonic and electronic resonances in a metallic photonic crystal slab. <i>Physical Review Letters</i> , <b>2003</b> , 91, 183901	7.4	441
59	Optical Properties of Polaritonic Crystal Slab. <i>Physica Status Solidi A</i> , <b>2002</b> , 190, 413-419		7
58	Quasiguided modes and optical properties of photonic crystal slabs. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	411
57	Theory of vibrational tunneling spectroscopy of adsorbates on metal surfaces. <i>Surface Science</i> , <b>2002</b> , 502-503, 26-33	1.8	55
56	Transmission properties of a two-dimensional photonic crystal slab with an excitonic resonance. <i>IEEE Journal of Quantum Electronics</i> , <b>2002</b> , 38, 872-879	2	20
55	Polariton Effect in Distributed Feedback Microcavities. <i>Journal of the Physical Society of Japan</i> , <b>2001</b> , 70, 1137-1144	1.5	37
54	Contribution to a theory of vibrational scanning tunneling spectroscopy of adsorbates: Nonequilibrium Green's function approach. <i>Surface Science</i> , <b>2001</b> , 493, 63-70	1.8	44



53	Theory of vibrational excitations of adsorbates by the scanning tunneling spectroscopy. <i>Surface Science</i> , <b>2001</b> , 493, 71-77	1.8	3
52	Anomalous transport of excitons in Cu <sub>2</sub> O. <i>Springer Proceedings in Physics</i> , <b>2001</b> , 105-106	0.2	
51	Spatial Coherence of Polaritons in Semiconductor Microcavities. <i>Physica Status Solidi (B): Basic Research</i> , <b>2000</b> , 221, 163-167	1.3	
50	Polariton Effect in a Chain of Coupled Photonic Dots. <i>Physica Status Solidi A</i> , <b>2000</b> , 178, 587-592		2
49	Exciton Transport in Cu <sub>2</sub> O. <i>Physica Status Solidi A</i> , <b>2000</b> , 178, 63-68		5
48	Controlling the polarization state of confined photon modes in photonic wires by a magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2000</b> , 7, 666-670	3	
47	Comment on "Critical velocities in exciton superfluidity". <i>Physical Review Letters</i> , <b>2000</b> , 84, 3502	7.4	7
46	Hyperspherical theory of anisotropic exciton. <i>Journal of Mathematical Physics</i> , <b>2000</b> , 41, 6026-6041	1.2	8
45	Optical properties of anisotropic exciton: Hyperspherical theory. <i>Physical Review B</i> , <b>1999</b> , 59, 4600-4603	3.3	7
44	Inhomogeneous strains in semiconducting nanostructures. <i>Journal of Experimental and Theoretical Physics</i> , <b>1999</b> , 88, 1045-1049	1	5
43	Angle dependence of the spontaneous emission from confined optical modes in photonic dots. <i>Physical Review B</i> , <b>1999</b> , 59, 2223-2229	3.3	69
42	Magnetic excitons in near-surface quantum wells: Experiment and theory. <i>Physics of the Solid State</i> , <b>1998</b> , 40, 740-742	0.8	
41	Linear and nonlinear excitonic absorption in semiconducting quantum wires crystallized in a dielectric matrix. <i>Journal of Experimental and Theoretical Physics</i> , <b>1998</b> , 87, 382-387	1	8
40	Exciton Transport in Cu <sub>2</sub> O: Phonon Wind versus Superfluidity. <i>Physica Status Solidi (B): Basic Research</i> , <b>1998</b> , 206, 45-53	1.3	14
39	Near surface quantum well excitons in magnetic fields. <i>Physica B: Condensed Matter</i> , <b>1998</b> , 249-251, 580-583		
38	Confined photonic modes in distributed Bragg microresonator in magnetic field. <i>Physica B: Condensed Matter</i> , <b>1998</b> , 256-258, 351-355	2.8	1
37	Magneto-optical study of ZnSe-based quantum wells. <i>Physica B: Condensed Matter</i> , <b>1998</b> , 256-258, 323-326		13
36	Excitons in near-surface quantum wells in magnetic fields: Experiment and theory. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 5410-5417	2.5	35



35	Exciton Transport in Cu <sub>2</sub> O: Phonon Wind versus Superfluidity <b>1998</b> , 206, 45		1
34	Comment on Directed Beam of Excitons Produced by Stimulated Scattering□ <i>Physical Review Letters</i> , <b>1997</b> , 78, 3225-3225	7.4	21
33	Enhancement of spontaneous emission rates by three-dimensional photon confinement in Bragg microcavities. <i>Physical Review B</i> , <b>1997</b> , 56, R4367-R4370	3.3	43
32	Dielectric enhancement of excitons in semiconducting quantum wires. <i>Journal of Experimental and Theoretical Physics</i> , <b>1997</b> , 84, 151-155	1	14
31	Excitons in Near Surface Quantum Wells: Local Probe of Semiconductor/Vacuum Surface. <i>Physica Status Solidi A</i> , <b>1997</b> , 164, 179-182		7
30	Self-Trapped Excitons in Semiconductor Quantum Wires Inside a Polar Dielectric Matrix. <i>Physica Status Solidi A</i> , <b>1997</b> , 164, 393-396		6
29	Effect of electric field redistribution on the electronic and optical properties of nanostructures. <i>Uspekhi Fizicheskikh Nauk</i> , <b>1997</b> , 167, 558	0.5	2
28	Dielectric enhancement of excitons in near-surface quantum wells. <i>Physical Review B</i> , <b>1996</b> , 54, R2335-R2338	3.3	47
27	Dielectric enhancement of magnetoexcitons in surface quantum wells. <i>JETP Letters</i> , <b>1996</b> , 64, 51-56	1.2	10
26	Phonon Raman scattering in quantum wires. <i>Solid-State Electronics</i> , <b>1996</b> , 40, 707-710	1.7	9
25	Polarization of porous silicon photoluminescence: alignment and built-in anisotropy. <i>Thin Solid Films</i> , <b>1996</b> , 276, 120-122	2.2	6
24	Exciton transport in Cu <sub>2</sub> O: Nonequilibrium phonons instead of Bose condensation. <i>Solid State Communications</i> , <b>1996</b> , 99, 93-97	1.6	13
23	Polaritons in Pbl-based self-organized superlattices. <i>Physica Status Solidi (B): Basic Research</i> , <b>1995</b> , 188, 57-60	1.3	1
22	Linear polarization of photoluminescence and Raman scattering in open InGaAs/InP quantum well wires. <i>Physica Status Solidi (B): Basic Research</i> , <b>1995</b> , 188, 269-273	1.3	6
21	Porous Si anisotropy from photoluminescence polarization. <i>Applied Physics Letters</i> , <b>1995</b> , 67, 1585-1587	3.4	102
20	Linear polarization of photoluminescence emission and absorption in quantum-well wire structures: Experiment and theory. <i>Physical Review B</i> , <b>1995</b> , 51, 4272-4277	3.3	78
19	Excitons in self-organized semiconductor/insulator superlattices: Pbl-based perovskite compounds. <i>Physical Review B</i> , <b>1995</b> , 51, 14370-14378	3.3	231
18	Linear Polarization of Porous Si Photoluminescence. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 405, 203		

17	Stress Distributions in Free Standing Quantum Well Dots and Wires. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 405, 121		1
16	Polaritons in semiconductor/insulator superlattices with nonlocal excitonic response. <i>Superlattices and Microstructures</i> , <b>1994</b> , 15, 479-482	2.8	2
15	Polarization-dependent optical effects in open quantum well wires. <i>Superlattices and Microstructures</i> , <b>1994</b> , 16, 165	2.8	6
14	Dielectrically confined excitons and polaritons in natural superlattices - perovskite lead iodide semiconductors. <i>European Physical Journal Special Topics</i> , <b>1993</b> , 03, 437-440		2
13	Phonon-driven carrier transport caused by short excitation pulses in semiconductors. <i>Physical Review B</i> , <b>1992</b> , 46, 15058-15062	3.3	38
12	Interface (Tamm) minibands in superlattices. <i>Surface Science</i> , <b>1992</b> , 264, L223-L226	1.8	2
11	Tamm minibands in superlattices. <i>Solid State Communications</i> , <b>1991</b> , 78, 339-342	1.6	20
10	Phononiton Transient Phenomena. <i>Physica Status Solidi (B): Basic Research</i> , <b>1990</b> , 159, 71-79	1.3	
9	On the Bose-Einstein condensation of particles with finite lifetime - as demonstrated by excitons. <i>Solid State Communications</i> , <b>1989</b> , 72, 1075-1079	1.6	8
8	Polariton Waves Near the Threshold for Stimulated Scattering <b>1988</b> , 321-329		1
7	Phonon wind generation in Ge by CO <sub>2</sub> laser induced heating of electron-hole drops. <i>Physica Status Solidi (B): Basic Research</i> , <b>1986</b> , 134, 631-639	1.3	2
6	Use of lasers to investigate condensation of nonequilibrium carriers in semiconductors. <i>Journal of Soviet Laser Research</i> , <b>1985</b> , 6, 404-411		
5	The electron-hole liquid in a semiconductor. <i>Uspekhi Fizicheskikh Nauk</i> , <b>1985</b> , 28, 1-30		29
4	The electron-hole liquid in a semiconductor. <i>Uspekhi Fizicheskikh Nauk</i> , <b>1985</b> , 145, 3-50	0.5	11
3	Interaction of high power CO <sub>2</sub> laser radiation with a nonequilibrium carrier system in Ge at low temperatures. <i>Physica Status Solidi (B): Basic Research</i> , <b>1983</b> , 115, 75-81	1.3	2
2	Decay and recondensation of electron-hole liquid in germanium under CO <sub>2</sub> laser pulse irradiation: Investigation by microwave conductivity measurements. <i>Solid State Communications</i> , <b>1983</b> , 48, 725-729	1.6	1
1	Accelerated decay of drops in Ge in the microwave field. <i>Solid State Communications</i> , <b>1982</b> , 43, 69-72	1.6	1