

Sergei G Tikhodeev

List of Publications by Year in descending order

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171
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#	ARTICLE	IF	CITATIONS
1	Strong Local Field Enhancement of Raman Scattering Observed in Metal-Dielectric Gratings due to Vertical Fabry-Perot Modes of Surface Plasmon Polaritons. <i>Physical Review Applied</i> , 2022, 17, .	3.8	3
2	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
3	Eigenmode analysis of the waveguide-plasmon structure based on a-Si ₁ -C:H layer with 1D gold grating. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2021, 48, 100975.	2.0	2
4	Influence of disorder on a Bragg microcavity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 139.	2.1	3
5	Photonic BICs in Si structures with Ge self-assembled quantum dots. , 2021, , .		0
6	Spectral Fourier-microscopy of the periodic structures based on Ge ₂ Sb ₂ Te ₅ . <i>Journal of Physics: Conference Series</i> , 2021, 2103, 012173.	0.4	1
7	Vertical Routing of Spinning-Dipole Radiation from a Chiral Metasurface. <i>Physical Review Applied</i> , 2020, 14, .	3.8	8
8	Photoluminescence spectra of SiC waveguide in the presence of two-dimensional plasmonic lattice of gold nanoparticles. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
9	Emitting properties of a-Si:C:H films with a gold submicron grating. <i>Journal of Physics: Conference Series</i> , 2020, 1461, 012126.	0.4	0
10	Fourier-Imaging Spectroscopy of Two-Dimensional Gold Nanodisk Array on Photoluminescent Layer. <i>Semiconductors</i> , 2020, 54, 1893-1896.	0.5	1
11	Wide-band enhancement of the transverse magneto-optical Kerr effect in magnetite-based plasmonic crystals. <i>Physical Review B</i> , 2019, 100, .	3.2	25
12	Transverse magneto-optical Kerr effect in magnetoplasmonic waveguide structures based on Fe ₃ O ₄ . <i>Journal of Physics: Conference Series</i> , 2019, 1400, 066014.	0.4	1
13	Optical properties of laser-modified diamond: From visible to microwave range. <i>Quantum Electronics</i> , 2019, 49, 672-675.	1.0	1
14	Tunable green lasing from circular grating distributed feedback based on CH ₃ NH ₃ PbBr ₃ perovskite. <i>Optical Materials Express</i> , 2019, 9, 2006.	3.0	16
15	Plasmon induced modification of silicon nanocrystals photoluminescence in presence of gold nanostripes. <i>Scientific Reports</i> , 2018, 8, 4911.	3.3	22
16	Transverse Magneto-Optical Kerr Effect in Magnetite Covered by Array of Gold Nanostripes. <i>Semiconductors</i> , 2018, 52, 1857-1860.	0.5	5
17	Elliptically polarized exciton-polariton condensate in a semiconductor microcavity with a chiral photonic crystal slab. <i>Journal of Physics: Conference Series</i> , 2018, 1092, 012071.	0.4	0
18	Effect of grain orientation on properties of diamond/graphite metasurface fabricated by laser direct-write. <i>Journal of Physics: Conference Series</i> , 2018, 1092, 012061.	0.4	3

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19	Magnetic field free circularly polarized thermal emission from a chiral metasurface. Physical Review B, 2018, 98, .	3.2	28
20	Temperature dependent two-photon photoluminescence of $\text{CH}_3\text{NH}_3\text{PbBr}_3$: structural phase and exciton to free carrier transition. Optical Materials Express, 2018, 8, 511.	3.0	26
21	All-carbon diamond/graphite metasurface: Experiment and modeling. Applied Physics Letters, 2018, 113, 041101.	3.3	8
22	Quasiguidded modes of opaline photonic crystals covered by Ge_2S_3 . Physical Review B, 2017, 96, .	3.2	13
23	Analytical normalization of resonant states in photonic crystal slabs and periodic arrays of nanoantennas at oblique incidence. Physical Review B, 2017, 96, .	3.2	40
24	Plasmonic Analog of Electromagnetically Induced Absorption Leads to Giant Thin Film Faraday Rotation of 14° . Physical Review X, 2017, 7, .	8.9	33
25	Polarization, spectral, and spatial emission characteristics of chiral semiconductor nanostructures. JETP Letters, 2017, 106, 643-647.	1.4	6
26	Control of light polarization by voltage in excitonic metasurface devices. Applied Physics Letters, 2017, 111, 241101.	3.3	3
27	Circularly polarized lasing in chiral modulated semiconductor microcavity with GaAs quantum wells. Applied Physics Letters, 2016, 109, .	3.3	16
28	Lorentz Nonreciprocal Model for Hybrid Magnetoplasmonics. Physical Review Letters, 2016, 117, 063901.	7.8	18
29	Optical properties of silicon nanocrystals covered by periodic array of gold nanowires. Physical Review B, 2016, 93, .	3.2	14
30	Transient optical parametric oscillations in resonantly pumped multistable cavity polariton condensates. Physical Review B, 2015, 92, .	3.2	5
31	Controlling circular polarization of light emitted by quantum dots using chiral photonic crystal slabs. Physical Review B, 2015, 92, .	3.2	36
32	Transient spectroscopy of near-condensate modes in the system of exciton polaritons in a semiconductor microcavity. JETP Letters, 2015, 101, 7-11.	1.4	5
33	Polarization control of quantum dot emission by chiral photonic crystal slabs. Optics Letters, 2015, 40, 1528.	3.3	28
34	Isotope effect in acetylene C_2H_2 and C_2D_2 rotations on Cu(001). Physical Review B, 2014, 89, .	3.2	3
35	Circularly polarized light emission from chiral spatially-structured planar semiconductor microcavities. Physical Review B, 2014, 89, .	3.2	54
36	Emission of quantum dots from waveguides with chiral spatially-modulated upper part. , 2014, , .		0

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37	Tunable Microcavity Based on Macroporous Silicon: Feasibility of Fabrication. Journal of Lightwave Technology, 2013, 31, 2694-2700.	4.6	1
38	Surface Tamm states in a photonic crystal slab with asymmetric termination. Physica Status Solidi - Rapid Research Letters, 2013, 7, 481-484.	2.4	4
39	Rotation of a Single Acetylene Molecule on Cu(001) by Tunneling Electrons in STM. Physical Review Letters, 2013, 111, 186102.	7.8	15
40	Metal-dielectric photonic crystal superlattice: 1D and 2D models and empty lattice approximation. Physica B: Condensed Matter, 2012, 407, 4037-4042.	2.7	16
41	Emission properties of an oscillating point dipole from a gold Yagi-Uda nanoantenna array. Physical Review B, 2012, 85, .	3.2	31
42	Surface states in the optical spectra of two-dimensional photonic crystals with various surface terminations. Physical Review B, 2012, 86, .	3.2	30
43	Bistability and nonequilibrium transitions in the system of cavity polaritons under nanosecond-long resonant excitation. Physical Review B, 2012, 85, .	3.2	31
44	Tailoring the photonic band splitting in metallodielectric photonic crystal superlattices. Physical Review B, 2011, 84, .	3.2	8
45	Derivation of plasmonic resonances in the Fourier modal method with adaptive spatial resolution and matched coordinates. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 238.	1.5	50
46	Control of magnetic dipole terahertz radiation by cavity-based phase modulation. Optics Express, 2011, 19, 22550.	3.4	21
47	Optical fano resonances in photonic crystal slabs near diffraction threshold anomalies. JETP Letters, 2011, 93, 427-430.	1.4	16
48	Radiation from an oscillating point dipole from a photonic crystal layer of dielectric nanocolumns. JETP Letters, 2011, 93, 555-558.	1.4	1
49	Parametric scattering in a system of quasi-two-dimensional exciton polaritons under photoexcitation near the bottom of the upper polariton branch. JETP Letters, 2011, 94, 647-652.	1.4	4
50	Strong resonant mode coupling of Fabry-Perot and grating resonances in stacked two-layer systems. Photonics and Nanostructures - Fundamentals and Applications, 2011, 9, 390-397.	2.0	17
51	Acceleration of Parameter Studies in the Fourier Modal Method by Introducing Lateral Shift Matrices. Journal of Computational and Theoretical Nanoscience, 2011, 8, 1625-1630.	0.4	0
52	Optical properties of grooved silicon microstructures: Theory and experiment. Journal of Experimental and Theoretical Physics, 2011, 113, 80-85.	0.9	7
53	Optical spectra of two-dimensional photonic crystal bars based on macroporous Si. , 2011, , .		2
54	Resonant mode coupling for deriving optical resonances in stacked grating structures. , 2010, , .		0

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55	Multistability of the optical response in a system of quasi-two-dimensional exciton polaritons. Journal of Experimental and Theoretical Physics, 2010, 110, 825-836.	0.9	41
56	Polarization instability in a polariton system in semiconductor microcavities. JETP Letters, 2010, 92, 171-178.	1.4	25
57	On the development time of the parametric instability of polariton-polariton scattering in a planar semiconductor microcavity. JETP Letters, 2010, 92, 547-551.	1.4	1
58	Resonant mode coupling of optical resonances in stacked nanostructures. Optics Express, 2010, 18, 7569.	3.4	51
59	How Vibrationally Assisted Tunneling with STM Affects the Motions and Reactions of Single Adsorbates. Physical Review Letters, 2009, 102, 246101.	7.8	30
60	Index-near-zero properties of metallic meander structures. , 2009, , .		0
61	Modelling of surface plasmon polaritons in a 2D superlattice. , 2009, , .		0
62	Application of the scattering matrix method for calculating the optical properties of metamaterials. Physics-Uspexhi, 2009, 52, 967-971.	2.2	23
63	Plasmonâ€“polariton effects in nanostructured metalâ€“dielectric photonic crystals and metamaterials. Physics-Uspexhi, 2009, 52, 945-949.	2.2	16
64	Numerical methods for calculation of optical properties of layered structures. Proceedings of SPIE, 2009, , .	0.8	11
65	Surface plasmon polaritons in metallo-dielectric meander-type gratings. JETP Letters, 2009, 90, 355-358.	1.4	4
66	Effective electromagnetic response of nanostructured metal-dielectric metamaterials. Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 88-90.	0.6	0
67	Matched coordinates and adaptive spatial resolution in the Fourier modal method. Optics Express, 2009, 17, 8051.	3.4	115
68	Efficient calculation of the optical properties of stacked metamaterials with a Fourier modal method. Journal of Optics, 2009, 11, 114019.	1.5	38
69	Transverse Photovoltage Induced by Circularly Polarized Light. Physical Review Letters, 2009, 103, 103906.	7.8	54
70	Calculation of complex shapes in the Fourier modal method through the concept of coordinate transformations. , 2009, , .		1
71	Kinetics of Stimulated Polariton Scattering in Planar Microcavities: Evidence for a Dynamically Self-Organized Optical Parametric Oscillator. Physical Review Letters, 2008, 101, 136401.	7.8	38
72	Near-fieldâ€“induced tunability of surface plasmon polaritons in composite metallic nanostructures. Journal of Microscopy, 2008, 229, 344-353.	1.8	53

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73	Symmetry Breaking in a Plasmonic Metamaterial at Optical Wavelength. Nano Letters, 2008, 8, 2171-2175.	9.1	228
74	Self-organization of multiple polariton-polariton scattering in semiconductor microcavities. Physical Review B, 2008, 77, .	3.2	55
75	Symmetry breaking in a plasmonic metamaterial. , 2008, , .		0
76	Nanostructured metallic electrodes for optoelectronic devices. , 2007, , .		0
77	Optical fuse effect in a tunable liquid crystal waveguide with a Cr grating coupler. Applied Physics Letters, 2007, 91, .	3.3	5
78	Optimized Design of Plasmonic MSM Photodetector. IEEE Journal of Quantum Electronics, 2007, 43, 855-859.	1.9	55
79	Controlling the Fano interference in a plasmonic lattice. Physical Review B, 2007, 76, .	3.2	175
80	Polarization Multistability of Cavity Polaritons. Physical Review Letters, 2007, 98, 236401.	7.8	176
81	Stimulated parametric scattering of excitonic polaritons in planar GaAs microcavities: Distinctive feature of QW electric field. Solid State Communications, 2007, 144, 384-389.	1.9	2
82	Theory of inelastic tunneling spectroscopy of a single molecule " Competition between elastic and inelastic current. Surface Science, 2007, 601, 5220-5225.	1.9	50
83	Hard mode of stimulated scattering in the system of quasi-two-dimensional exciton polaritons. Journal of Experimental and Theoretical Physics, 2007, 104, 715-723.	0.9	20
84	Photo-induced Voltage in Perforated Metal-Dielectric-Metal Multilayer Structure. , 2007, , .		0
85	INELASTIC TUNNELING SPECTROSCOPY OF SINGLE SURFACE ADSORBED MOLECULES. , 2007, , 323-348.		0
86	Optical Properties of Planar Metallo-Dielectric Photonic Crystals. , 2006, , 85-108.		1
87	Controlling the interaction between localized and delocalized surface plasmon modes: Experiment and numerical calculations. Physical Review B, 2006, 74, .	3.2	109
88	Interaction between localized and delocalized surface plasmon polariton modes in a metallic photonic crystal. Physica Status Solidi (B): Basic Research, 2006, 243, 2344-2348.	1.5	31
89	Optical switching in metallic photonic crystal slabs with photoaddressable polymers. Applied Physics B: Lasers and Optics, 2006, 82, 543-547.	2.2	31
90	Metallodielectric photonic crystal superlattices: Influence of periodic defects on transmission properties. Physical Review B, 2006, 73, .	3.2	30

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91	Controlling the coupling between localized and delocalized surface plasmon modes in a metallic photonic crystal slab. , 2006, , .		0
92	Linear and nonlinear optical properties of strongly coupled metal nanoparticles. , 2006, , .		3
93	Photo-induced voltage across negative index metamaterials. , 2006, , .		0
94	Waveguide Plasmon Polaritons in Metalâ€“Dielectric Photonic Crystal Slabs. Physics of the Solid State, 2005, 47, 145.	0.6	10
95	Large-area metallic photonic crystal fabrication with interference lithography and dry etching. Applied Physics B: Lasers and Optics, 2005, 81, 271-275.	2.2	49
96	Theory of inelastic tunneling and its relation to vibrational excitation in ladder climbing processes of single adsorbates. Surface Science, 2005, 587, 25-33.	1.9	7
97	Waveguide-plasmon polaritons in photonic crystal slabs with metal nanowires. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 795-800.	0.8	18
98	Bistability vs stimulated scattering in semiconductor microcavities. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 744-750.	0.8	2
99	Stimulated polaritonâ€“polariton scattering in semiconductor microcavities. Physics-Uspexhi, 2005, 48, 312-318.	2.2	12
100	Hard excitation of stimulated polaritonâ€“polariton scattering in semiconductor microcavities. Physics-Uspexhi, 2005, 48, 306-312.	2.2	16
101	Optical properties of photonic crystal slabs with an asymmetrical unit cell. Physical Review B, 2005, 72, .	3.2	91
102	Coulomb correction to the dressed exciton in an inorganic-organic layered semiconductor: Detuning dependence of the Stark shift. Physical Review B, 2004, 69, .	3.2	14
103	Relation between inelastic electron tunneling and vibrational excitation of single adsorbates on metal surfaces. Physical Review B, 2004, 70, .	3.2	62
104	Multiple-polariton scattering in a semiconductor microcavity. Journal of Physics Condensed Matter, 2004, 16, S3653-S3664.	1.8	26
105	Nonlinear dynamics of polariton scattering in semiconductor microcavity: Bistability vs. stimulated scattering. Europhysics Letters, 2004, 67, 997-1003.	2.0	113
106	Optical properties of planar metallic photonic crystal structures:â€“Experiment and theory. Physical Review B, 2004, 70, .	3.2	225
107	<title>Optical properties of polaritons in excitonic layers in symmetric and asymmetric dielectric environment</title>. , 2004, , .		0
108	Ultrafast spontaneous emission: Exciton radiative decay vs phonon scattering and disorder. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 1421-1424.	0.8	1

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109	Plasmon polaritons in a metallic photonic crystal slab. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003, 0, 1393-1396.	0.8	5
110	Spectral features of inelastic electron transport via a localized state. <i>Physical Review B</i> , 2003, 68, .	3.2	97
111	Waveguide-Plasmon Polaritons: Strong Coupling of Photonic and Electronic Resonances in a Metallic Photonic Crystal Slab. <i>Physical Review Letters</i> , 2003, 91, 183901.	7.8	534
112	Polaritonâ€“polariton scattering and the nonequilibrium condensation of exciton polaritons in semiconductor microcavities. <i>Physics-Uspexhi</i> , 2003, 46, 967-971.	2.2	15
113	Quasiguidded modes and optical properties of photonic crystal slabs. <i>Physical Review B</i> , 2002, 66, .	3.2	497
114	Theory of vibrational tunneling spectroscopy of adsorbates on metal surfaces. <i>Surface Science</i> , 2002, 502-503, 26-33.	1.9	56
115	Transmission properties of a two-dimensional photonic crystal slab with an excitonic resonance. <i>IEEE Journal of Quantum Electronics</i> , 2002, 38, 872-879.	1.9	21
116	Optical Properties of Polaritonic Crystal Slab. <i>Physica Status Solidi A</i> , 2002, 190, 413-419.	1.7	11
117	Contribution to a theory of vibrational scanning tunneling spectroscopy of adsorbates. <i>Surface Science</i> , 2001, 493, 63-70.	1.9	47
118	Theory of vibrational excitations of adsorbates by the scanning tunneling spectroscopy. <i>Surface Science</i> , 2001, 493, 71-77.	1.9	3
119	Polariton Effect in Distributed Feedback Microcavities. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 1137-1144.	1.6	41
120	Anomalous transport of excitons in Cu ₂ O. <i>Springer Proceedings in Physics</i> , 2001, , 105-106.	0.2	0
121	Spatial Coherence of Polaritons in Semiconductor Microcavities. <i>Physica Status Solidi (B): Basic Research</i> , 2000, 221, 163-167.	1.5	0
122	Polariton Effect in a Chain of Coupled Photonic Dots. <i>Physica Status Solidi A</i> , 2000, 178, 587-592.	1.7	2
123	Exciton Transport in Cu ₂ O. <i>Physica Status Solidi A</i> , 2000, 178, 63-68.	1.7	6
124	Controlling the polarization state of confined photon modes in photonic wires by a magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000, 7, 666-670.	2.7	0
125	Comment on â€œCritical Velocities in Exciton Superfluidityâ€• <i>Physical Review Letters</i> , 2000, 84, 3502-3502.	7.8	8
126	Hyperspherical theory of anisotropic exciton. <i>Journal of Mathematical Physics</i> , 2000, 41, 6026-6041.	1.1	9

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127	Optical properties of anisotropic exciton: Hyperspherical theory. Physical Review B, 1999, 59, 4600-4603.	3.2	7
128	Inhomogeneous strains in semiconducting nanostructures. Journal of Experimental and Theoretical Physics, 1999, 88, 1045-1049.	0.9	5
129	Angle dependence of the spontaneous emission from confined optical modes in photonic dots. Physical Review B, 1999, 59, 2223-2229.	3.2	75
130	Magnetic excitons in near-surface quantum wells: Experiment and theory. Physics of the Solid State, 1998, 40, 740-742.	0.6	0
131	Linear and nonlinear excitonic absorption in semiconducting quantum wires crystallized in a dielectric matrix. Journal of Experimental and Theoretical Physics, 1998, 87, 382-387.	0.9	9
132	Exciton Transport in Cu ₂ O: Phonon Wind versus Superfluidity. Physica Status Solidi (B): Basic Research, 1998, 206, 45-53.	1.5	16
133	Near surface quantum well excitons in magnetic fields. Physica B: Condensed Matter, 1998, 249-251, 580-583.	2.7	0
134	Confined photonic modes in distributed Bragg microresonator in magnetic field. Physica B: Condensed Matter, 1998, 256-258, 351-355.	2.7	1
135	Magneto-optical study of ZnSe-based quantum wells. Physica B: Condensed Matter, 1998, 256-258, 323-326.	2.7	13
136	Excitons in near-surface quantum wells in magnetic fields: Experiment and theory. Journal of Applied Physics, 1998, 83, 5410-5417.	2.5	41
137	Exciton Transport in Cu ₂ O: Phonon Wind versus Superfluidity. , 1998, 206, 45.		1
138	Comment on "Directed Beam of Excitons Produced by Stimulated Scattering". Physical Review Letters, 1997, 78, 3225-3225.	7.8	24
139	Enhancement of spontaneous emission rates by three-dimensional photon confinement in Bragg microcavities. Physical Review B, 1997, 56, R4367-R4370.	3.2	47
140	Dielectric enhancement of excitons in semiconducting quantum wires. Journal of Experimental and Theoretical Physics, 1997, 84, 151-155.	0.9	14
141	Excitons in Near Surface Quantum Wells: Local Probe of Semiconductor/Vacuum Surface. Physica Status Solidi A, 1997, 164, 179-182.	1.7	9
142	Self-Trapped Excitons in Semiconductor Quantum Wires Inside a Polar Dielectric Matrix. Physica Status Solidi A, 1997, 164, 393-396.	1.7	6
143	Dielectric enhancement of excitons in near-surface quantum wells. Physical Review B, 1996, 54, R2335-R2338.	3.2	55
144	Dielectric enhancement of magnetoexcitons in surface quantum wells. JETP Letters, 1996, 64, 51-56.	1.4	11

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145	Phonon Raman scattering in quantum wires. <i>Solid-State Electronics</i> , 1996, 40, 707-710.	1.4	10
146	Polarization of porous silicon photoluminescence: alignment and built-in anisotropy. <i>Thin Solid Films</i> , 1996, 276, 120-122.	1.8	7
147	Exciton transport in Cu ₂ O: Nonequilibrium phonons instead of Bose condensation. <i>Solid State Communications</i> , 1996, 99, 93-97.	1.9	15
148	Linear Polarization of Porous Si Photoluminescence. <i>Materials Research Society Symposia Proceedings</i> , 1995, 405, 203.	0.1	0
149	Stress Distributions in Free Standing Quantum Well Dots and Wires. <i>Materials Research Society Symposia Proceedings</i> , 1995, 405, 121.	0.1	1
150	Polaritons in Pbl ₂ -based self-organized superlattices. <i>Physica Status Solidi (B): Basic Research</i> , 1995, 188, 57-60.	1.5	1
151	Linear polarization of photoluminescence and Raman scattering in open InGaAs/InP quantum well wires. <i>Physica Status Solidi (B): Basic Research</i> , 1995, 188, 269-273.	1.5	6
152	Porous Si anisotropy from photoluminescence polarization. <i>Applied Physics Letters</i> , 1995, 67, 1585-1587.	3.3	106
153	Linear polarization of photoluminescence emission and absorption in quantum-well wire structures: Experiment and theory. <i>Physical Review B</i> , 1995, 51, 4272-4277.	3.2	82
154	Excitons in self-organized semiconductor/insulator superlattices: Pbl-based perovskite compounds. <i>Physical Review B</i> , 1995, 51, 14370-14378.	3.2	277
155	Polaritons in semiconductor/insulator superlattices with nonlocal excitonic response. <i>Superlattices and Microstructures</i> , 1994, 15, 479-482.	3.1	3
156	Polarization-dependent optical effects in open quantum well wires. <i>Superlattices and Microstructures</i> , 1994, 16, 165.	3.1	6
157	Dielectrically confined excitons in natural superlattices: perovskite lead iodide semiconductors. , 1993, , .		0
158	Dielectrically confined excitons and polaritons in natural superlattices - perovskite lead iodide semiconductors. <i>European Physical Journal Special Topics</i> , 1993, 03, 437-440.	0.2	5
159	Phonon-driven carrier transport caused by short excitation pulses in semiconductors. <i>Physical Review B</i> , 1992, 46, 15058-15062.	3.2	41
160	Interface (Tamm) minibands in superlattices. <i>Surface Science</i> , 1992, 264, L223-L226.	1.9	4
161	Tamm minibands in superlattices. <i>Solid State Communications</i> , 1991, 78, 339-342.	1.9	22
162	Phononitron Transient Phenomena. <i>Physica Status Solidi (B): Basic Research</i> , 1990, 159, 71-79.	1.5	0

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163	On the Bose-Einstein condensation of particles with finite lifetime - as demonstrated by excitons. Solid State Communications, 1989, 72, 1075-1079.	1.9	8
164	Phonon wind generation in Ge by CO ₂ laser induced heating of electron-hole drops. Physica Status Solidi (B): Basic Research, 1986, 134, 631-639.	1.5	3
165	Use of lasers to investigate condensation of nonequilibrium carriers in semiconductors. Journal of Soviet Laser Research, 1985, 6, 404-411.	0.2	0
166	The electron-hole liquid in a semiconductor. Uspekhi Fizicheskikh Nauk, 1985, 28, 1-30.	0.3	36
167	Interaction of high power CO ₂ laser radiation with a nonequilibrium carrier system in Ge at low temperatures. Physica Status Solidi (B): Basic Research, 1983, 115, 75-81.	1.5	2
168	Decay and recondensation of electron-hole liquid in germanium under CO ₂ laser pulse irradiation: Investigation by microwave conductivity measurements. Solid State Communications, 1983, 48, 725-729.	1.9	2
169	Accelerated decay of \hat{I}^3 -drops in Ge in the microwave field. Solid State Communications, 1982, 43, 69-72.	1.9	2
170	Optical properties of distributed feedback microcavities with exciton resonance. , 0, , .		0
171	Does the momentum conservation explain photo-induced current in metallic photonic crystal slabs?. , 0, , .		0