

Yurii E Lozovik

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262
papers

5,229
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h-index

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301
ext. papers

5,794
ext. citations

2.6
avg, IF

5.95
L-index

#	Paper	IF	Citations
262	Wigner crystallization in mesoscopic 2d electron systems. <i>Physical Review Letters</i> , 2001 , 86, 3851-4	7.4	239
261	Quantum phase transition in a two-dimensional system of dipoles. <i>Physical Review Letters</i> , 2007 , 98, 060405	7.4	172
260	Dielectric response and novel electromagnetic modes in three-dimensional Dirac semimetal films. <i>Physical Review B</i> , 2016 , 93,	3.3	155
259	Interlayer interaction and relative vibrations of bilayer graphene. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 5687-95	3.6	125
258	On a modified Lindemann-like criterion for 2D melting. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1985 , 109, 289-291	2.3	112
257	Minimizing light reflection from dielectric textured surfaces. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2011 , 28, 770-7	1.8	109
256	Electron-hole pair condensation in a graphene bilayer. <i>JETP Letters</i> , 2008 , 87, 55-59	1.2	107
255	Double-wall nanotubes: classification and barriers to walls relative rotation, sliding and screwlike motion. <i>Chemical Physics Letters</i> , 2004 , 385, 72-78	2.5	87
254	Superconductivity at dielectric pairing of spatially separated quasiparticles. <i>Solid State Communications</i> , 1976 , 19, 391-393	1.6	85
253	Nanomachines based on carbon nanotubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003 , 313, 112-121	2.3	84
252	Superconducting photonic crystals: Numerical calculations of the band structure. <i>Physical Review B</i> , 2006 , 74,	3.3	80
251	Strain-induced pseudomagnetic field in the Dirac semimetal borophene. <i>Physical Review B</i> , 2016 , 94,	3.3	76
250	Fast diffusion of a graphene flake on a graphene layer. <i>Physical Review B</i> , 2010 , 82,	3.3	72
249	Theoretical limit of localized surface plasmon resonance sensitivity to local refractive index change and its comparison to conventional surface plasmon resonance sensor. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012 , 29, 994-1002	1.8	71
248	Observation of magnetically induced effective-mass enhancement of quasi-2D excitons. <i>Physical Review Letters</i> , 2001 , 87, 216804	7.4	68
247	From spatially indirect excitons to momentum-space indirect excitons by an in-plane magnetic field. <i>Physical Review B</i> , 2000 , 62, 1548-1551	3.3	67
246	Condensation of electron-hole pairs in a two-layer graphene system: Correlation effects. <i>Physical Review B</i> , 2012 , 86,	3.3	66

245	Formation and growth of carbon nanostructures: fullerenes, nanoparticles, nanotubes and cones. <i>Uspekhi Fizicheskikh Nauk</i> , 1997 , 167, 751-774	0.5	66
244	Bose-Einstein condensation and superfluidity of magnetoexcitons in bilayer graphene. <i>Physical Review B</i> , 2008 , 77,	3.3	65
243	Commensurate-incommensurate phase transition in bilayer graphene. <i>Physical Review B</i> , 2011 , 84,	3.3	63
242	Magnetoplasmons in layered graphene structures. <i>Physical Review B</i> , 2008 , 78,	3.3	62
241	Coulomb clusters in a trap. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990 , 145, 269-271	2.3	62
240	Femtosecond spectroscopy of YBa ₂ Cu ₃ O _{7-δ} : Electron-phonon-interaction measurement and energy-gap observation. <i>Physical Review Letters</i> , 1991 , 67, 3860-3863	7.4	57
239	Interwall interaction and elastic properties of carbon nanotubes. <i>Physical Review B</i> , 2006 , 73,	3.3	55
238	Formation and growth of carbon nanostructures: fullerenes, nanoparticles, nanotubes and cones. <i>Physics-Uspekhi</i> , 1997 , 40, 717-737	2.8	53
237	Magnetism and Josephson effect in a coupled quantum well electron-hole system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997 , 228, 399-407	2.3	52
236	Parametric excitation of vacuum by use of femtosecond laser pulses. <i>Physica Scripta</i> , 1995 , 52, 184-190	2.6	52
235	On the ground state of the two-dimensional non-ideal bose gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1978 , 93, 493-502	3.3	51
234	Collective properties of indirect excitons in coupled quantum wells in a random field. <i>Physical Review B</i> , 2004 , 70,	3.3	50
233	Classical and quantum melting of a Coulomb cluster in a trap. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992 , 165, 469-472	2.3	50
232	Giant tunable nonreciprocity of light in Weyl semimetals. <i>Physical Review B</i> , 2018 , 98,	3.3	50
231	Phase transitions of electron-hole and unbalanced electron systems in coupled quantum wells in high magnetic fields. <i>Physical Review B</i> , 1999 , 59, 5627-5636	3.3	48
230	Melting of trapped few-particle systems. <i>Physical Review Letters</i> , 2008 , 100, 113401	7.4	46
229	Ab initio study of relative motion of walls in carbon nanotubes. <i>Physical Review B</i> , 2005 , 71,	3.3	45
228	Theory of Bose-Einstein condensation and superfluidity of two-dimensional polaritons in an in-plane harmonic potential. <i>Physical Review B</i> , 2008 , 77,	3.3	43

227	Electron-hole pairing in a topological insulator thin film. <i>Physical Review B</i> , 2012 , 86,	3.3	41
226	Path Integral Simulations of Crystallization of Quantum Confined Electrons. <i>Physica Status Solidi (B): Basic Research</i> , 2000 , 221, 231-234	1.3	41
225	Oscillation spectra and phase diagram of two-dimensional electron crystal: New (3+4)-self-consistent approximation. <i>Solid State Communications</i> , 1985 , 54, 725-728	1.6	41
224	Collective excitations on a surface of topological insulator. <i>Nanoscale Research Letters</i> , 2012 , 7, 163	5	39
223	Magnetoexcitons in coupled quantum wells. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997 , 227, 271-284	2.3	39
222	Ultrahigh refractive index sensitivity of TE-polarized electromagnetic waves in graphene at the interface between two dielectric media. <i>Optics Express</i> , 2013 , 21, 13533-46	3.3	38
221	Dynamical Lamb effect versus dynamical Casimir effect. <i>Physical Review A</i> , 2001 , 64,	2.6	38
220	Modeling of graphene-based NEMS. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 949-954	3	37
219	Diffusion and drift of graphene flake on graphite surface. <i>Journal of Chemical Physics</i> , 2011 , 134, 104505	3.9	37
218	Barriers to motion and rotation of graphene layers based on measurements of shear mode frequencies. <i>Chemical Physics Letters</i> , 2012 , 536, 82-86	2.5	36
217	Fundamentals and properties of zinc oxide nanostructures: Optical and sensing applications. <i>Superlattices and Microstructures</i> , 2008 , 43, 352-361	2.8	36
216	Biocompatibility and applications of carbon nanotubes in medical nanorobots. <i>International Journal of Nanomedicine</i> , 2007 , 2, 361-72	7.3	36
215	Spectral dependence of femtosecond relaxation and coherent phonon excitation in C60 films. <i>Physical Review B</i> , 1997 , 56, 4176-4185	3.3	35
214	Electron-hole superconductivity. Influence of structure defects. <i>Solid State Communications</i> , 1977 , 21, 211-215	1.6	35
213	Graphene-based photonic crystal. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 4784-4786	2.3	34
212	Nanoelectromechanical systems based on multi-walled nanotubes: nanothermometer, nanorelay, and nanoactuator. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007 , 204, 1911-1917	1.6	34
211	Solid and soft nanostructured materials: Fundamentals and applications. <i>Microelectronics Journal</i> , 2005 , 36, 940-949	1.8	34
210	Ion and electron clusters. <i>Uspekhi Fizicheskikh Nauk</i> , 1987 , 153, 356	0.5	33

209	Melting in a two dimensional system with dipole interaction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1982 , 92, 400-402	2.3	32
208	Molecular dynamics simulation of the self-retracting motion of a graphene flake. <i>Physical Review B</i> , 2011 , 84,	3.3	31
207	The quantised Hall effect in strong magnetic fields. <i>Journal of Physics C: Solid State Physics</i> , 1985 , 18, 1197-1203		30
206	Phase transitions in two-dimensional electron-hole systems in high magnetic fields. <i>Journal of Low Temperature Physics</i> , 1980 , 38, 333-352	1.3	30
205	Change of binding type and dissociation of molecules and biexcitons in a strong magnetic field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1978 , 66, 282-284	2.3	30
204	Algorithmic simulation of far-from-equilibrium dynamics using quantum computer. <i>Quantum Information Processing</i> , 2018 , 17, 1	1.6	30
203	Enhanced optical activity in hyperbolic metasurfaces. <i>Physical Review B</i> , 2017 , 96,	3.3	29
202	Multi-band pairing of ultrarelativistic electrons and holes in graphene bilayer. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 374, 326-330	2.3	29
201	Coulomb problem for a $Z > Z_{\text{cr}}$ nucleus. <i>Physics-Uspexhi</i> , 2015 , 58, 785-791	2.8	28
200	Energy barriers, structure, and two-stage melting of microclusters of vortices. <i>Physical Review B</i> , 1998 , 57, 1214-1225	3.3	28
199	On phase diagram of granular superconductor. <i>Journal of Physics C: Solid State Physics</i> , 1981 , 14, L31-L35		28
198	Nanotube-based data storage devices. <i>Materials Today</i> , 2008 , 11, 38-43	21.8	27
197	Oriental melting of two-shell carbon nanoparticles: molecular dynamics study. <i>Chemical Physics Letters</i> , 2000 , 328, 355-362	2.5	27
196	Two-electron quantum dots in magnetic field. <i>Physica Scripta</i> , 1996 , 54, 539-541	2.6	26
195	Dynamical Lamb effect in a tunable superconducting qubit-cavity system. <i>Physical Review A</i> , 2015 , 91,	2.6	25
194	Hyperbolic hybrid waves and optical topological transitions in few-layer anisotropic metasurfaces. <i>Physical Review B</i> , 2019 , 100,	3.3	24
193	Resonant manifestations of chiral excitons in Faraday and Kerr effects in a topological insulator film. <i>Physical Review B</i> , 2013 , 87,	3.3	23
192	Antireflective properties of pyramidally textured surfaces. <i>Optics Letters</i> , 2010 , 35, 106-8	3	23

191	Electromechanical nanothermometer. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 366, 480-486	2.3	23
190	Detuning-Controlled Internal Oscillations in an Exciton-Polariton Condensate. <i>Physical Review Letters</i> , 2015 , 115, 186402	7.4	22
189	Modeling of an ultrahigh-frequency resonator based on the relative vibrations of carbon nanotubes. <i>Physical Review B</i> , 2009 , 80,	3.3	22
188	Ultrarelativistic electron-hole pairing in graphene bilayer. <i>European Physical Journal B</i> , 2010 , 73, 195-206	1.2	22
187	Many-photon coherence of Bose-condensed excitons: Luminescence and related nonlinear optical phenomena. <i>Physical Review B</i> , 2002 , 66,	3.3	22
186	Structure and energetics of carbon, hexagonal boron nitride, and carbon/hexagonal boron nitride single-layer and bilayer nanoscrolls. <i>Physical Review Materials</i> , 2018 , 2,	3.2	22
185	Ab initio study of edge effect on relative motion of walls in carbon nanotubes. <i>Journal of Chemical Physics</i> , 2013 , 138, 024703	3.9	21
184	Influence of Landau level mixing on the properties of elementary excitations in graphene in strong magnetic field. <i>Nanoscale Research Letters</i> , 2012 , 7, 134	5	21
183	Graphene nanoribbon based spaser. <i>Physical Review B</i> , 2013 , 88,	3.3	21
182	. <i>Physics-Uspexhi</i> , 2007 , 50, 749	2.8	21
181	Superfluidity of indirect excitons and biexcitons in coupled quantum wells and superlattices. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 12457-12475	1.8	21
180	Collective properties of magnetobiexcitons in quantum wells and graphene superlattices. <i>Physical Review B</i> , 2008 , 78,	3.3	20
179	Strong correlation effects in 2D Bose-Einstein condensed dipolar excitons. <i>Solid State Communications</i> , 2007 , 144, 399-404	1.6	20
178	Low-dimensional weakly interacting Bose gases: Nonuniversal equations of state. <i>Physical Review A</i> , 2010 , 81,	2.6	19
177	Electron-electron and electron-hole pairing in graphene structures. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 5417-29	3	19
176	Two-dimensional Bose gas of tilted dipoles: Roton instability and condensate depletion. <i>Physical Review A</i> , 2014 , 90,	2.6	18
175	Drag effects in a system of electrons and microcavity polaritons. <i>Physical Review B</i> , 2010 , 82,	3.3	18
174	Inverse Borrmann effect in photonic crystals. <i>Physical Review B</i> , 2009 , 80,	3.3	18

173	Ion and electron clusters. <i>Uspekhi Fizicheskikh Nauk</i> , 1987 , 30, 912-913		18
172	Nanotube-based nanoelectromechanical systems: Control versus thermodynamic fluctuations. <i>Physical Review B</i> , 2010 , 81,	3.3	17
171	The excitonic superfluid liquid in the system of spatially separated electrons and holes. <i>Physica Scripta</i> , 1997 , 55, 491-498	2.6	17
170	Towards a feasible implementation of quantum neural networks using quantum dots. <i>Applied Physics Letters</i> , 2016 , 108, 103108	3.4	17
169	Dynamical Lamb effect versus dissipation in superconducting quantum circuits. <i>Physical Review A</i> , 2016 , 93,	2.6	16
168	Structural phase transition and band gap of uniaxially deformed (6, 0) carbon nanotube. <i>Chemical Physics Letters</i> , 2012 , 545, 71-77	2.5	16
167	Mesoscopic supersolid of dipoles in a trap. <i>Physical Review A</i> , 2011 , 84,	2.6	16
166	Second-order coherence properties of amplified spontaneous emission. <i>Optics Express</i> , 2019 , 27, 10991-11005	3.5	16
165	Excitons in cores of exciton-polariton vortices. <i>Physical Review B</i> , 2012 , 86,	3.3	15
164	Spin-plasmons in topological insulator. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3610-3618	3.3	15
163	AA stacking, tribological and electronic properties of double-layer graphene with krypton spacer. <i>Journal of Chemical Physics</i> , 2013 , 139, 154705	3.9	15
162	Quasiequilibrium supersolid phase of a two-dimensional dipolar crystal. <i>Physical Review B</i> , 2010 , 82,	3.3	15
161	Strongly correlated indirect excitons in quantum wells in high electric fields. <i>Journal of Physics: Conference Series</i> , 2006 , 35, 197-208	0.3	15
160	Simulation of wave packet tunneling of interacting identical particles. <i>Physical Review E</i> , 2003 , 67, 026702	2.4	15
159	Higher-order elastic constants and megabar pressure effects of bcc tungsten: Ab initio calculations. <i>Physical Review B</i> , 2016 , 94,	3.3	14
158	Coulomb problem for graphene with the gapped electron spectrum. <i>JETP Letters</i> , 2015 , 101, 264-270	1.2	13
157	Spaser spectroscopy with subwavelength spatial resolution. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 723-727	2.3	13
156	Using metallic photonic crystals as visible light sources. <i>Physical Review B</i> , 2012 , 86,	3.3	13

155	Plasmonics and magnetoplasmonics based on graphene and a topological insulator. <i>Physics-Uspekhi</i> , 2012 , 55, 1035-1039	2.8	13
154	Bose-Einstein condensation of trapped polaritons in two-dimensional electron-hole systems in a high magnetic field. <i>Physical Review B</i> , 2009 , 80,	3.3	13
153	Large diffusion lengths of excitons in perovskite and TiO ₂ heterojunction. <i>Applied Physics Letters</i> , 2016 , 108, 051109	3.4	13
152	Roton-maxon spectrum and instability for weakly interacting dipolar excitons in a semiconductor layer. <i>Physical Review B</i> , 2014 , 90,	3.3	12
151	Quantum capacitance and compressibility of graphene: The role of Coulomb interactions. <i>Physical Review B</i> , 2015 , 91,	3.3	12
150	Graphene-Based Nanodynamometer. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013 , 10, 141-146	0.3	12
149	Influence of disorder on electron-hole pairing in graphene bilayer. <i>JETP Letters</i> , 2011 , 93, 219-222	1.2	12
148	Electron-hole pairing with nonzero momentum in a graphene bilayer. <i>Journal of Experimental and Theoretical Physics</i> , 2011 , 113, 880-886	1	12
147	Magnetically operated nanorelay based on two single-walled carbon nanotubes filled with endofullerenes Fe@C ₂₀ . <i>Journal of Nanophotonics</i> , 2010 , 4, 041675	1.1	12
146	Phonon-mediated electron pairing in graphene. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 2785-2791	2.3	12
145	Simulation of tunneling in the quantum tomography approach. <i>Physical Review A</i> , 2004 , 69,	2.6	12
144	Many-body effects of Coulomb interaction on Landau levels in graphene. <i>Physical Review B</i> , 2017 , 95,	3.3	11
143	Ab initio calculations of the walls shear strength of carbon nanotubes. <i>Technical Physics Letters</i> , 2009 , 35, 666-669	0.7	11
142	Cavity plasmon polaritons in monolayer graphene. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 375, 2573-2576	2.3	11
141	Turbulence in a Bose-Einstein condensate of dipolar excitons in coupled quantum wells. <i>Physical Review B</i> , 2012 , 86,	3.3	11
140	Can we move photons?. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 3681-3684	1.3	11
139	Superfluidity of two-dimensional excitons in flat and harmonic traps. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 366, 487-492	2.3	11
138	Highly sensitive spectroscopy based on a surface plasmon polariton quantum generator. <i>Laser Physics Letters</i> , 2014 , 11, 125701	1.5	10

137	Strong correlations and new phases in a system of excitons and polaritons. A polariton laser. <i>Physics-Uspekhi</i> , 2009 , 52,	2.8	10
136	Superfluidity of dirty indirect excitons and magnetoexcitons in a two-dimensional trap. <i>Physical Review B</i> , 2006 , 73,	3.3	10
135	Evaporative cooling and condensation of two-dimensional polaritons in an in-plane harmonic potential. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 3373-3377		10
134	Quantum communication protocols as a benchmark for programmable quantum computers. <i>Quantum Information Processing</i> , 2019 , 18, 1	1.6	10
133	On transmittance and localization of the electromagnetic wave in two-dimensional graphene-based photonic crystals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018 , 382, 2075-2080 ²⁻³		10
132	Coupled exciton-photon Bose condensate in path integral formalism. <i>Physical Review B</i> , 2016 , 93,	3.3	9
131	Absorption sensor based on graphene plasmon quantum amplifier. <i>Physical Review B</i> , 2018 , 98,	3.3	9
130	Parametrically driven hybrid qubit-photon systems: Dissipation-induced quantum entanglement and photon production from vacuum. <i>Physical Review A</i> , 2017 , 96,	2.6	9
129	Drag effect and Cooper electron-hole pair fluctuations in a topological insulator film. <i>Physical Review B</i> , 2013 , 88,	3.3	9
128	Phase diagram of Rydberg atoms with repulsive van der Waals interaction. <i>Physical Review A</i> , 2011 , 84,	2.6	9
127	Anomalous far-infrared monochromatic transmission through a film of type-II superconductor in magnetic field. <i>Physical Review B</i> , 2008 , 78,	3.3	9
126	Superfluidity of dirty indirect magnetoexcitons in coupled quantum wells in high magnetic field. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 386219	1.8	9
125	Nanomachines Based on Carbon Nanotubes Walls Motion: Operation Modes and Controlling Forces. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2005 , 12, 463-470	1.8	9
124	Force and magnetic field sensor based on measurement of tunneling conductance between ends of coaxial carbon nanotubes. <i>Computational Materials Science</i> , 2014 , 92, 84-91	3.2	8
123	Nanoresonator Based on Relative Vibrations of the Walls of Carbon Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010 , 18, 523-530	1.8	8
122	Instability of dipole magnetoexcitons in quantum wells' and graphene superlattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 6536-6540	2.3	8
121	Instantaneous approximation for the dynamical Casimir effect. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005 , 7, S64-S68		8
120	The Crystallization of Indirect Excitons in Coupled Quantum Wells. <i>Physica Scripta</i> , 1998 , 58, 86-89	2.6	8

119	Superconducting qubit in a nonstationary transmission line cavity: Parametric excitation, periodic pumping, and energy dissipation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017 , 381, 592-596	2.3	7
118	Tunneling conductance of telescopic contacts between graphene layers with and without dielectric spacer. <i>Computational Materials Science</i> , 2015 , 109, 240-247	3.2	7
117	Quantum entanglement for two qubits in a nonstationary cavity. <i>Physical Review A</i> , 2016 , 94,	2.6	7
116	Effect of Peierls transition in armchair carbon nanotube on dynamical behaviour of encapsulated fullerene. <i>Nanoscale Research Letters</i> , 2011 , 6, 216	5	7
115	Monochromatic infrared wave propagation in 2D superconductor-dielectric photonic crystal. <i>Laser Physics</i> , 2009 , 19, 2035-2040	1.2	7
114	Theory of superconductivity for Dirac electrons in graphene. <i>Journal of Experimental and Theoretical Physics</i> , 2010 , 110, 49-57	1	7
113	Bose-Einstein condensation of quasiparticles in graphene. <i>Nanotechnology</i> , 2010 , 21, 134019	3.4	7
112	Collective electron phenomena in graphene. <i>Physics-Uspexhi</i> , 2008 , 51, 727-744	2.8	7
111	PLASMA OSCILLATIONS OF THE ELECTRON SHELL OF THE ATOM. <i>Uspexhi Fizicheskikh Nauk</i> , 1966 , 9, 340-345		7
110	Exceptional Points as Lasing Prethresholds. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000450	8.3	7
109	Entanglement in a quantum neural network based on quantum dots. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2017 , 24, 24-28	2.6	6
108	Dispersion relations for plasmons in complex-shaped nanoparticle chains. <i>Physical Review B</i> , 2018 , 98,	3.3	6
107	Dynamics of a mesoscopic qubit ensemble coupled to a cavity: Role of collective dark states. <i>Physical Review A</i> , 2017 , 96,	2.6	6
106	Structure, Energetic and Tribological Properties, and Possible Applications in Nanoelectromechanical Systems of Argon-Separated Double-Layer Graphene. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 11428-11435	3.8	6
105	Role of propagating slit mode in enhanced transmission through slit arrays in a metallic films. <i>Optical and Quantum Electronics</i> , 2009 , 41, 299-313	2.4	6
104	The outlook for nanolocal femtosecond spectroscopy and nanolithography. <i>Physics-Uspexhi</i> , 1999 , 42, 284-285	2.8	6
103	Manifestation of superconducting gap symmetry in the optical spectrum. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994 , 194, 405-412	2.3	6
102	On Bose-Einstein condensation and superfluidity of trapped photons with coordinate-dependent mass and interactions. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017 , 34, 1649	1.7	6

101	Edge magnetoplasmons in graphene: Effects of gate screening and dissipation. <i>Physical Review B</i> , 2019 , 100,	3.3	5
100	Can barrier to relative sliding of carbon nanotube walls be measured?. <i>Computational Materials Science</i> , 2012 , 53, 67-74	3.2	5
99	Bose-Einstein condensation and superfluidity of trapped polaritons in graphene and quantum wells embedded in a microcavity. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 5459-82	3	5
98	Coupled condensates of excitons and photons in the trap. <i>Journal of Nanophotonics</i> , 2012 , 6, 061802	1.1	5
97	Multiscale computer design of photonic crystal based materials for optical chemosensors. <i>Nanotechnologies in Russia</i> , 2010 , 5, 250-258	0.6	5
96	Interwall conductance in double-walled armchair carbon nanotubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 5706-5711	2.3	5
95	The outlook for nanolocal femtosecond spectroscopy and nanolithography. <i>Uspekhi Fizicheskikh Nauk</i> , 1999 , 169, 348	0.5	5
94	New effects in and control of exciton systems in quasi-two-dimensional structures. <i>Physics-Uspekhi</i> , 2018 , 61, 1094-1099	2.8	5
93	Internal Josephson phenomena in a coupled two-component Bose condensate. <i>Superlattices and Microstructures</i> , 2015 , 87, 12-18	2.8	4
92	Inverted pendulum state of a polariton Rabi oscillator. <i>Physical Review B</i> , 2016 , 94,	3.3	4
91	Anisotropic superfluidity of two-dimensional excitons in a periodic potential. <i>Physical Review B</i> , 2017 , 95,	3.3	4
90	Coulomb Problem for $Z > Z_{cr}$ in Doped Graphene. <i>Journal of Experimental and Theoretical Physics</i> , 2017 , 125, 1144-1162	1	4
89	Fluctuational internal Josephson effect in a topological insulator film. <i>Physical Review B</i> , 2013 , 88,	3.3	4
88	Superfluidity of dirty indirect excitons in coupled quantum wells. <i>Solid State Communications</i> , 2005 , 134, 47-50	1.6	4
87	Formation of positive feedback and coherent emission in a cavity-free system. <i>Optics Express</i> , 2019 , 27, 35376-35384	3.3	4
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