

# Mikhail B Belonenko

## 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.

199  
papers

700  
citations

12  
h-index

18  
g-index

217  
ext. papers

757  
ext. citations

1  
avg, IF

4.17  
L-index

#	Paper	IF	Citations
199	Order parameter induced by an extremely short optical pulse in a medium with chiral carbon nanotubes. <i>Optik</i> , <b>2022</b> , 251, 168385	2.5	
198	External light control of three-dimensional ultrashort far-infrared pulses in an inhomogeneous array of carbon nanotubes. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	3
197	Two-dimensional ultrashort pulses in topological Kondo insulators. <i>Modern Physics Letters B</i> , <b>2020</b> , 34, 2050035	1.6	
196	Peculiarities of extremely short optical pulses propagation in carbon nanotube medium with nonlinear absorption. <i>Modern Physics Letters B</i> , <b>2020</b> , 34, 2050358	1.6	
195	Zitterbewegung in cosmic string spacetime. <i>Modern Physics Letters A</i> , <b>2019</b> , 34, 1950135	1.3	
194	Propagation of two-dimensional extremely short optical pulses in photonic crystal with silicene. <i>Modern Physics Letters B</i> , <b>2019</b> , 33, 1950037	1.6	1
193	Asymptotic dynamics of three-dimensional bipolar ultrashort electromagnetic pulses in an array of semiconductor carbon nanotubes. <i>Optics Express</i> , <b>2019</b> , 27, 27592-27609	3.3	8
192	Two-dimensional few cycle optical pulses inside a carbon nanotubes photonic crystal. <i>EPJ Web of Conferences</i> , <b>2019</b> , 220, 03010	0.3	1
191	Photonic droplets in a medium of carbon nanotubes. <i>EPJ Web of Conferences</i> , <b>2019</b> , 220, 03009	0.3	
190	Stabilization of ultrashort pulses by external pumping in an array of carbon nanotubes subject to piezoelectric effects. <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 203103	2.5	5
189	Propagation of three-dimensional bipolar ultrashort electromagnetic pulses in an inhomogeneous array of carbon nanotubes. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	10
188	Two-dimensional electroacoustic waves in silicene. <i>Applied Physics B: Lasers and Optics</i> , <b>2018</b> , 124, 1	1.9	2
187	Three-dimensional ultrashort optical Airy beams in an inhomogeneous medium with carbon nanotubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2017</b> , 381, 931-934	2.3	6
186	On Dipole Moment of Impurity Carbon Nanotubes. <i>Russian Physics Journal</i> , <b>2017</b> , 59, 2137-2142	0.7	
185	The Impact of Multilevel Impurity on the Tunnel and Ballistic Currents in a Graphene Nanoribbon. <i>Russian Physics Journal</i> , <b>2017</b> , 60, 122-127	0.7	
184	Multidimensional ultimately short optical pulses in silicene. <i>Technical Physics Letters</i> , <b>2017</b> , 43, 386-389	0.7	2
183	Influence of the order parameter on the dynamics of ultrashort pulses in an environment with carbon nanotubes. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 084301	2.5	0

182	Three-dimensional few-cycle optical Airy pulses in the array of carbon nanotubes with multilevel impurities. <i>Modern Physics Letters B</i> , <b>2017</b> , 31, 1750005	1.6	1
181	Sensitivity of graphene flakes and nanorings to impurities. <i>Physica B: Condensed Matter</i> , <b>2017</b> , 514, 51-53.8		2
180	Conductivity of impurity graphene nanoribbons and gate electric field. <i>Modern Physics Letters B</i> , <b>2017</b> , 31, 1750340	1.6	
179	Three-dimensional few-cycle optical pulses in germanene with damping and amplification. <i>EPJ Web of Conferences</i> , <b>2017</b> , 161, 02012	0.3	3
178	Light bullets in an Bragg environment with carbon nanotubes in the external magnetic field. <i>EPJ Web of Conferences</i> , <b>2017</b> , 161, 02018	0.3	2
177	Dispersive Instability of Multidimensional Light Bullets in Impurity Metal and AdS/CFT Correspondence. <i>Russian Physics Journal</i> , <b>2017</b> , 60, 577-585	0.7	
176	Light bullets in a Bragg medium containing metallic carbon nanotubes. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2017</b> , 123, 111-116	0.7	1
175	Three-dimensional light bullets in a Bragg medium with carbon nanotubes. <i>Applied Physics B: Lasers and Optics</i> , <b>2017</b> , 123, 1	1.9	9
174	Three-dimensional dissipative quasi-solitons in carbon nanotubes. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2017</b> , 122, 641-645	0.7	2
173	The dynamics of three-dimensional extremely short pulses in carbon nanotubes with attenuation and amplification. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2017</b> , 123, 624-628	0.7	2
172	Propagation of three-dimensional extremely short optical pulses in germanene in the presence of an external electric field. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2017</b> , 123, 425-429	0.7	2
171	Three-dimensional few-cycle optical pulses in the inhomogeneous environment of carbon nanotubes in an optical resonator. <i>EPJ Web of Conferences</i> , <b>2017</b> , 161, 02008	0.3	1
170	The behavior of three-dimensional ultimately short optical pulses in a system of carbon nanotubes in the presence of an external magnetic field. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2017</b> , 123, 105-110	0.7	
169	Dynamics of a two-dimensional light bullet propagating in a system of carbon nanotubes with a velocity greater than the speed of light in the medium. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2016</b> , 80, 833-836	0.4	1
168	Peculiarities of the propagation of multidimensional extremely short optical pulses in germanene. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2016</b> , 380, 3117-3120	2.3	5
167	Collisions of three-dimensional bipolar optical solitons in an array of carbon nanotubes. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	17
166	Two-dimensional extremely short optical pulses with a Bessel cross section in inhomogeneous medium of carbon nanotubes. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2016</b> , 121, 739-743	0.7	1
165	Zitterbewegung in Four-Dimensional Spherically-Symmetric Spacetime. <i>Russian Physics Journal</i> , <b>2016</b> , 59, 892-899	0.7	1

164	Dissipative Solitons on a Torus. <i>Russian Physics Journal</i> , <b>2016</b> , 58, 1843-1847	0.7	
163	Ultrashort Optical Pulses in a Fermi Liquid and Duality of Gauge Gravitation. <i>Russian Physics Journal</i> , <b>2016</b> , 59, 352-358	0.7	
162	2D light bullets in a Bragg medium with a harmonically modulated refractive index and carbon nanotubes. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2016</b> , 80, 837-840	0.4	2
161	Free electromagnetic radiation from the graphene monolayer with spatially modulated conductivity in THz range. <i>Modern Physics Letters B</i> , <b>2016</b> , 30, 1650185	1.6	9
160	Opto-acoustic effects in an array of carbon nanotubes. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 134307	2.5	3
159	Extremely short two-dimensional optical pulses in an array of carbon nanotubes in the presence of a constant electric field. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2016</b> , 80, 828-832	0.4	
158	Ultrashort pulses in graphene with Coulomb impurities. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2016</b> , 120, 940-943	0.7	3
157	Three-dimensional extremely-short optical pulses in carbon nanotube arrays in the presence of an external magnetic field. <i>Modern Physics Letters B</i> , <b>2016</b> , 30, 1650405	1.6	
156	Few cycle pulses in semi-holographic Fermi liquid with impurities. <i>Modern Physics Letters B</i> , <b>2016</b> , 30, 1650092	1.6	
155	A Two-Dimensional Extremely Short Optical Pulse in a System of Carbon Nanotubes in a Direct Current Electric Field. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2016</b> , 120, 434-439	0.7	5
154	Three-dimensional few cycle optical pulses in nonlinear medium with carbon nanotubes. <i>Modern Physics Letters B</i> , <b>2016</b> , 30, 1650345	1.6	3
153	Zitterbewegung near a Schwarzschild-type black hole. <i>Modern Physics Letters A</i> , <b>2016</b> , 31, 1650168	1.3	1
152	Tunneling Characteristics of a Metal Non-Fermi Liquid Contact and the AdS/CFT Correspondence. <i>Russian Physics Journal</i> , <b>2015</b> , 57, 1556-1560	0.7	1
151	Two-dimensional extremely short electromagnetic pulses in a Bragg medium with carbon nanotubes. <i>European Physical Journal D</i> , <b>2015</b> , 69, 1	1.3	14
150	Effect of electromagnetic radiation on an array of noninteracting carbon nanoribbons in the presence of nanosecond electrical pulses. <i>Semiconductors</i> , <b>2015</b> , 49, 663-667	0.7	2
149	Ultrashort electromagnetic pulses in graphene with disorder. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2015</b> , 119, 248-251	0.7	2
148	Propagation of few cycle optical pulses in marginal Fermi liquid and ADS/CFT correspondence. <i>Physica B: Condensed Matter</i> , <b>2015</b> , 478, 43-46	2.8	1
147	Interaction of Ultrashort Pulses in Metallic Nanotubes. <i>Russian Physics Journal</i> , <b>2015</b> , 58, 228-232	0.7	

146	Zitterbewegung in curved graphene. <i>Physica B: Condensed Matter</i> , <b>2015</b> , 456, 115-117	2.8	4
145	Discrete solitons in Bragg environment with carbon nanotubes. <i>Modern Physics Letters B</i> , <b>2015</b> , 29, 1550041	0.4	5
144	Dynamics of few cycle optical pulses in a non-Fermi liquid and AdS/CFT correspondence. <i>Modern Physics Letters B</i> , <b>2015</b> , 29, 1550096	1.6	2
143	Extremely Short Optical Pulses and Ads/CFT Compliance. <i>EPJ Web of Conferences</i> , <b>2015</b> , 103, 08001	0.3	
142	Study of the indirect interaction in a non-Fermi liquid within the AdS/CFT correspondence framework. <i>Modern Physics Letters B</i> , <b>2015</b> , 29, 1550081	1.6	
141	Exciton Polarization in Carbon Nanotubes. <i>Russian Physics Journal</i> , <b>2015</b> , 58, 678-682	0.7	
140	Interaction of a two-dimensional electromagnetic pulse with an electron inhomogeneity in an array of carbon nanotubes in the presence of field inhomogeneity. <i>European Physical Journal D</i> , <b>2015</b> , 69, 1	1.3	14
139	Few-cycle optical pulses in a thin film of a topological insulator. <i>Optics Communications</i> , <b>2014</b> , 329, 151-153		1
138	Dynamics of ultra-short electromagnetic pulses in the system of chiral carbon nanotube waveguides in the presence of external alternating electric field. <i>Physica B: Condensed Matter</i> , <b>2014</b> , 438, 45-47	2.8	
137	Propagation of an Ultrashort Optical Pulse in Graphene on a Thin-Film Topological-Insulator Substrate. <i>Russian Physics Journal</i> , <b>2014</b> , 57, 364-369	0.7	
136	Two-dimensional electromagnetic breathers in an array of nanotubes with multilevel impurities. <i>Russian Journal of Physical Chemistry B</i> , <b>2014</b> , 8, 409-415	1.2	8
135	Influence of multi-level impurities on the dynamics of ultrashort electromagnetic pulses in carbon nanotubes. <i>Europhysics Letters</i> , <b>2014</b> , 106, 37005	1.6	8
134	Stabilization of electromagnetic solitons in thin films of topological insulators by constant electric field. <i>European Physical Journal B</i> , <b>2014</b> , 87, 1	1.2	1
133	Tunneling characteristics of a contact between a superlattice and non-Fermi liquid using the AdS/CFT correspondence. <i>Modern Physics Letters B</i> , <b>2014</b> , 28, 1450170	1.6	2
132	Dynamics of ultimately short electromagnetic pulses in chiral carbon nanotubes in the presence of an external field. <i>Technical Physics</i> , <b>2014</b> , 59, 1749-1752	0.5	1
131	Ultrashort pulses in a Bragg medium with carbon nanotubes. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2014</b> , 78, 1333-1335	0.4	7
130	Extremely short electromagnetic pulse in a superlattice taking into account field inhomogeneity along its axis. <i>Semiconductors</i> , <b>2014</b> , 48, 1348-1352	0.7	1
129	Interaction of a two-dimensional electromagnetic breather with an electron inhomogeneity in an array of carbon nanotubes. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 203109	2.5	14

128	Electromagnetic solitons propagating along quantum wires. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2014</b> , 78, 1265-1268	0.4	
127	Interaction of two-dimensional electromagnetic breathers in an array of carbon nanotubes. <i>Physics of the Solid State</i> , <b>2014</b> , 56, 2112-2117	0.8	3
126	On the electronic spectrum in curved graphene nanoribbons. <i>JETP Letters</i> , <b>2013</b> , 97, 400-403	1.2	6
125	Dynamics of ultrashort pulse propagation in the multilayer graphene-boron nitride system. <i>Physics of the Solid State</i> , <b>2013</b> , 55, 1248-1251	0.8	2
124	Extremely short electromagnetic pulses in an array of carbon nanotubes with a longitudinal field inhomogeneity. <i>Physics of the Solid State</i> , <b>2013</b> , 55, 1333-1339	0.8	11
123	Doped graphene in a quantizing magnetic field: Hall conductivity. <i>Physics of the Solid State</i> , <b>2013</b> , 55, 895-897	0.8	1
122	Tunneling current of the contact between impurity-containing graphene nanoribbons. <i>Semiconductors</i> , <b>2013</b> , 47, 662-664	0.7	1
121	Terahertz radiation from carbon nanorings in external collinear constant and varying electric fields. <i>Technical Physics</i> , <b>2013</b> , 58, 584-588	0.5	2
120	Effect of the intrinsic nonlinearity on the propagation of ultrashort optical pulses in carbon nanotubes in dispersive nonmagnetic dielectric media. <i>Technical Physics</i> , <b>2013</b> , 58, 621-624	0.5	6
119	Dynamics of ultimately short electromagnetic pulses in silicene waveguides. <i>Technical Physics Letters</i> , <b>2013</b> , 39, 579-581	0.7	6
118	A study of the dynamics of propagation of an extremely short pulse in a graphene-boron nitride-graphene trilayer. <i>Technical Physics Letters</i> , <b>2013</b> , 39, 329-332	0.7	
117	On the possibility of current amplification by random inhomogeneities in graphene. <i>Russian Physics Journal</i> , <b>2013</b> , 55, 1111-1116	0.7	
116	PROPAGATION OF LASER BEAMS IN AN ARRAY OF SEMICONDUCTOR CARBON NANOTUBES. <i>Modern Physics Letters B</i> , <b>2013</b> , 27, 1350045	1.6	8
115	Dynamics of ultimately short electromagnetic pulses in chiral carbon nanotubes. <i>Physics of the Solid State</i> , <b>2013</b> , 55, 2124-2127	0.8	4
114	Waveguides based on alternating graphene-boron-nitride layers. <i>Technical Physics Letters</i> , <b>2013</b> , 39, 1105-1108	0.7	108
113	Zitterbewegung in a Graphene-Boron Nitride Bilayer. <i>Russian Physics Journal</i> , <b>2013</b> , 56, 930-936	0.7	
112	Extremely short optical pulses in strained graphene in terms of the gauge theory. <i>Physics of the Solid State</i> , <b>2013</b> , 55, 2602-2607	0.8	1
111	Dynamics of Optical Pulse Propagation in the Ribbon Formed by Graphene and Boron Nitride Layers of Finite Width. <i>Russian Physics Journal</i> , <b>2013</b> , 56, 801-806	0.7	

110	Effect of an electric field on the transport and diffusion properties of bilayer graphene ribbons. <i>Physica Scripta</i> , <b>2013</b> , 87, 015602	2.6	4
109	Soliton-induced flow in carbon nanotubes. <i>Europhysics Letters</i> , <b>2013</b> , 101, 66001	1.6	2
108	Propagation of extremely short pulses in a grapheneBoron nitride bilayer. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2013</b> , 377, 564-566	2.3	4
107	The effect of proper nonlinearity of the medium on the propagation of ultimately short pulses in an array of carbon nanotubes. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2013</b> , 114, 157-160	0.7	6
106	Study of the indirect exchange interaction in a strained graphene nanoribbon. <i>Physica B: Condensed Matter</i> , <b>2013</b> , 419, 62-65	2.8	1
105	Three-dimensional electromagnetic breathers in carbon nanotubes with the field inhomogeneity along their axes. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 143106	2.5	49
104	Echoes of relativistic Landau levels in graphene and bilayer graphene. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2012</b> , 76, 264-266	0.4	
103	Nonlinear diffraction in a quantum-dot system with allowance for the Hubbard interaction. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2012</b> , 112, 249-254	0.7	1
102	The effect of spin-orbit interaction on the dynamics of ultimately short pulses in graphene systems. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2012</b> , 112, 453-456	0.7	2
101	Specific dynamics of faster-than-light (in the medium) extremely short optical pulses in an array of carbon nanotubes. <i>Physics of the Solid State</i> , <b>2012</b> , 54, 1463-1466	0.8	1
100	Electrical conductivity and diffusion coefficient of electrons in a graphene bilayer. <i>Technical Physics</i> , <b>2012</b> , 57, 1025-1029	0.5	5
99	Tunneling current of the contact impurity graphene nanoribbon [quantum dots]. <i>Russian Physics Journal</i> , <b>2012</b> , 55, 644-648	0.7	
98	Ultrashort optical pulse in a thin film of a topological insulator. <i>Journal of Russian Laser Research</i> , <b>2012</b> , 33, 227-230	0.7	
97	Self-focusing of super-Gaussian laser beams propagating in an array of carbon nanotubes. <i>Russian Physics Journal</i> , <b>2012</b> , 55, 436-443	0.7	4
96	2D electromagnetic breathers in carbon nanotubes. <i>European Physical Journal D</i> , <b>2012</b> , 66, 1	1.3	11
95	Extremely short optical pulse in a thin-film topological insulator with a hexagonal lattice. <i>Physics of the Solid State</i> , <b>2012</b> , 54, 1625-1627	0.8	
94	Zitterbewegung in thin-film topological insulators in the presence of a terahertz pulse. <i>Physics of the Solid State</i> , <b>2012</b> , 54, 2462-2464	0.8	0
93	The possibility of using RNA for optical applications. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2012</b> , 76, 260-263	0.4	1

92	Electromagnetic vortices in an array of carbon nanotubes. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2012</b> , 76, 1326-1328	0.4	1
91	Propagation of extremely short optical pulses in impurity carbon nanotubes in dispersive and nonlinear media. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2012</b> , 76, 1280-1282	0.4	3
90	Solitons in a system of coupled graphene waveguides. <i>Physics of the Solid State</i> , <b>2012</b> , 54, 174-177	0.8	6
89	Nonlinear diffraction of super-gaussian laser beams in an array of quantum-dot chains with coulomb interaction taken into account. <i>Journal of Russian Laser Research</i> , <b>2012</b> , 33, 55-62	0.7	1
88	Absolute negative conductivity in zig-zag carbon nanotubes in the presence of a magnetic field. <i>Russian Physics Journal</i> , <b>2012</b> , 54, 1185-1190	0.7	
87	Solitons in a System of Coupled Bilayer Graphene Waveguides. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2012</b> , 20, 574-578	1.8	
86	THE HALL CONDUCTIVITY OF A DOPED GRAPHENE IN A QUANTIZING MAGNETIC FIELD. <i>Modern Physics Letters B</i> , <b>2012</b> , 26, 1250188	1.6	1
85	ECHO EFFECTS ON RELATIVISTIC LANDAU LEVELS IN GRAPHENE AND BIGRAPHENE AS A MANIFESTATION OF THE QUANTUM MEMORY. <i>Modern Physics Letters B</i> , <b>2012</b> , 26, 1250094	1.6	3
84	ZITTERBEWEGUNG IN THIN FILMS OF TOPOLOGICAL INSULATORS WITH HEXAGONAL LATTICE IRRADIATED BY TERAHERTZ PULSES. <i>Modern Physics Letters B</i> , <b>2012</b> , 26, 1250106	1.6	4
83	EXTREMELY SHORT OPTICAL PULSES IN CARBON NANOTUBES IN DISPERSIVE NONMAGNETIC DIELECTRIC MEDIA. <i>International Journal of Modern Physics B</i> , <b>2011</b> , 25, 3401-3408	1.1	11
82	Negative differential conductivity in bilayer graphene controlled by an external voltage and in the presence of a magnetic field. <i>Physica Scripta</i> , <b>2011</b> , 83, 015603	2.6	3
81	Nonlinear diffraction in inhomogeneous superlattice. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2011</b> , 110, 105-109	0.7	3
80	Dynamics of laser bullet propagation in carbon nanotube array with metal inhomogeneities. <i>Technical Physics Letters</i> , <b>2011</b> , 37, 119-122	0.7	12
79	Study of the indirect interaction in the quantum dots of the graphene bilayer in the framework of the s-d model. <i>Technical Physics Letters</i> , <b>2011</b> , 37, 724-727	0.7	2
78	Domain structure of graphene with Hubbard interaction under conditions of emergence of a spontaneous transverse field. <i>Russian Journal of Physical Chemistry B</i> , <b>2011</b> , 5, 215-219	1.2	
77	Magnetic field effect on ultra short pulse propagation in system of carbon nanotubes. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2011</b> , 110, 557-561	0.7	5
76	Ultimately short optical pulses in carbon nanotubes in dispersive nonmagnetic dielectric media. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2011</b> , 111, 85-90	0.7	9
75	Absolute negative conductivity of graphene with impurities in magnetic field. <i>Semiconductors</i> , <b>2011</b> , 45, 628-632	0.7	1



74	Dissipative solitons in carbon nanotubes. <i>Physics of the Solid State</i> , <b>2011</b> , 53, 209-214	0.8	1
73	Specific features of indirect interaction in an impurity graphene bilayer in the framework of the s-d model. <i>Physics of the Solid State</i> , <b>2011</b> , 53, 1689-1693	0.8	2
72	Negative differential conductivity of bigraphene controlled by an external voltage in a magnetic field. <i>Physics of the Solid State</i> , <b>2011</b> , 53, 1694-1698	0.8	0
71	Coefficients of diffusion and conductivity of semiconductor carbon nanotubes in an external electric field. <i>Physics of the Solid State</i> , <b>2011</b> , 53, 1943-1946	0.8	4
70	Ferroelectric phase transition in graphene with the Hubbard interaction. <i>Physics of the Solid State</i> , <b>2011</b> , 53, 2520-2524	0.8	
69	Spontaneous transverse field in impurity graphene. <i>Technical Physics</i> , <b>2011</b> , 56, 1123-1128	0.5	
68	Dissipative solitons in carbon nanotubes. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2011</b> , 75, 168-171	0.4	
67	Curved graphene nanoribbons and tunneling current. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2011</b> , 75, 1576-1578	0.4	1
66	Ultrashort pulse propagation in carbon nanotubes in a magnetic field. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2011</b> , 75, 1623-1625	0.4	7
65	Discrete solitons in the bigraphene with adsorbed atomic hydrogen. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2011</b> , 75, 1655-1657	0.4	1
64	Interaction of few-cycle optical pulses in nonmetallic carbon nanotubes. <i>Physics of Wave Phenomena</i> , <b>2011</b> , 19, 39-42	1.2	4
63	Localization of electron density waves in a system of carbon nanotubes and fullerenes. <i>Physics of Wave Phenomena</i> , <b>2011</b> , 19, 43-46	1.2	
62	Light bullet passing an array of carbon nanotubes with metallic mesh irregularities. <i>European Physical Journal D</i> , <b>2011</b> , 65, 635-640	1.3	10
61	Asymptotic dynamics of extremely short pulses in a system of carbon nanotubes. <i>Russian Physics Journal</i> , <b>2011</b> , 53, 1118-1124	0.7	2
60	Collision of extremely short optical pulses in semiconductor carbon nanotubes. <i>Russian Physics Journal</i> , <b>2011</b> , 54, 77-85	0.7	
59	Extremely short optical pulse in a system of nanotubes with adsorbed hydrogen. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2011</b> , 375, 946-952	2.3	15
58	Electronic spectrum and tunneling current in curved graphene nanoribbons. <i>Solid State Communications</i> , <b>2011</b> , 151, 1147-1150	1.6	4
57	On the vortex stability in BEC. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2011</b> , 44, 1653013		1

56	Two-dimensional light bullets in an array of carbon nanotubes. <i>JETP Letters</i> , <b>2010</b> , 91, 461-465	1.2	33
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