

Natalia N Konobeeva

List of Publications by Citations

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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.

93
papers

203
citations

6
h-index

10
g-index

100
ext. papers

225
ext. citations

1.1
avg, IF

3.31
L-index

#	Paper	IF	Citations
93	Amplification of ultimately-short pulses in graphene in the presence of a high-frequency field. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2010 , 108, 618-623	0.7	16
92	Two-dimensional extremely short electromagnetic pulses in a Bragg medium with carbon nanotubes. <i>European Physical Journal D</i> , 2015 , 69, 1	1.3	14
91	EXTREMELY SHORT OPTICAL PULSES IN CARBON NANOTUBES IN DISPERSIVE NONMAGNETIC DIELECTRIC MEDIA. <i>International Journal of Modern Physics B</i> , 2011 , 25, 3401-3408	1.1	11
90	Ultimately short optical pulses in carbon nanotubes in dispersive nonmagnetic dielectric media. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2011 , 111, 85-90	0.7	9
89	Two-dimensional electromagnetic breathers in an array of nanotubes with multilevel impurities. <i>Russian Journal of Physical Chemistry B</i> , 2014 , 8, 409-415	1.2	8
88	Influence of multi-level impurities on the dynamics of ultrashort electromagnetic pulses in carbon nanotubes. <i>Europhysics Letters</i> , 2014 , 106, 37005	1.6	8
87	On the electronic spectrum in curved graphene nanoribbons. <i>JETP Letters</i> , 2013 , 97, 400-403	1.2	6
86	Effect of the intrinsic nonlinearity on the propagation of ultrashort optical pulses in carbon nanotubes in dispersive nonmagnetic dielectric media. <i>Technical Physics</i> , 2013 , 58, 621-624	0.5	6
85	Dynamics of ultimately short electromagnetic pulses in silicene waveguides. <i>Technical Physics Letters</i> , 2013 , 39, 579-581	0.7	6
84	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> , 2013 , 114, 157-160	0.7	6
83	Solitons in a system of coupled graphene waveguides. <i>Physics of the Solid State</i> , 2012 , 54, 174-177	0.8	6
82	Tunneling through the carbon nanotube/graphene interface exposed to a strong oscillating electric field. <i>Journal of Nanophotonics</i> , 2010 , 4, 041670	1.1	6
81	Ultrashort optical pulses in carbon nanotubes and graphene with periodic impurities. <i>Physics of the Solid State</i> , 2010 , 52, 1780-1786	0.8	6
80	Peculiarities of the propagation of multidimensional extremely short optical pulses in germanene. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 3117-3120	2.3	5
79	Stabilization of ultrashort pulses by external pumping in an array of carbon nanotubes subject to piezoelectric effects. <i>Journal of Applied Physics</i> , 2019 , 126, 203103	2.5	5
78	Zitterbewegung in curved graphene. <i>Physica B: Condensed Matter</i> , 2015 , 456, 115-117	2.8	4
77	Dynamics of ultimately short electromagnetic pulses in chiral carbon nanotubes. <i>Physics of the Solid State</i> , 2013 , 55, 2124-2127	0.8	4

76	Electronic spectrum and tunneling current in curved graphene nanoribbons. <i>Solid State Communications</i> , 2011 , 151, 1147-1150	1.6	4
75	ZITTERBEWEGUNG IN THIN FILMS OF TOPOLOGICAL INSULATORS WITH HEXAGONAL LATTICE IRRADIATED BY TERAHERTZ PULSES. <i>Modern Physics Letters B</i> , 2012 , 26, 1250106	1.6	4
74	Absolute negative conductivity in graphene with the Hubbard interaction in a magnetic field. <i>Physics of the Solid State</i> , 2010 , 52, 1952-1956	0.8	4
73	Three-dimensional few-cycle optical pulses in germanene with damping and amplification. <i>EPJ Web of Conferences</i> , 2017 , 161, 02012	0.3	3
72	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> , 2012 , 76, 1280-1282	0.4	3
71	Negative differential conductivity in bilayer graphene controlled by an external voltage and in the presence of a magnetic field. <i>Physica Scripta</i> , 2011 , 83, 015603	2.6	3
70	Influence of external magnetic field on high-harmonic generation upon propagation of an ultrashort optical airy pulse in a CNTs photonic crystal. <i>International Journal of Modern Physics B</i> , 2021 , 35, 2150017	1.1	3
69	Opto-acoustic effects in an array of carbon nanotubes. <i>Journal of Applied Physics</i> , 2016 , 120, 134307	2.5	3
68	Ultrashort pulses in graphene with Coulomb impurities. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2016 , 120, 940-943	0.7	3
67	External light control of three-dimensional ultrashort far-infrared pulses in an inhomogeneous array of carbon nanotubes. <i>Physical Review B</i> , 2021 , 103,	3.3	3
66	Ultrashort Optical Pulses in Carbon Nanotubes and Heavy-Ion Absorption. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2018 , 125, 405-408	0.7	3
65	Multidimensional ultimately short optical pulses in silicene. <i>Technical Physics Letters</i> , 2017 , 43, 386-389	0.7	2
64	Sensitivity of graphene flakes and nanorings to impurities. <i>Physica B: Condensed Matter</i> , 2017 , 514, 51-53	2.8	2
63	Ultrashort electromagnetic pulses in graphene with disorder. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2015 , 119, 248-251	0.7	2
62	Two-dimensional electroacoustic waves in silicene. <i>Applied Physics B: Lasers and Optics</i> , 2018 , 124, 1	1.9	2
61	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> , 2012 , 112, 453-456	0.7	2
60	Terahertz radiation from carbon nanorings in external collinear constant and varying electric fields. <i>Technical Physics</i> , 2013 , 58, 584-588	0.5	2
59	Three-dimensional dissipative quasi-solitons in carbon nanotubes. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2017 , 122, 641-645	0.7	2

58	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> , 2017 , 123, 624-628	0.7	2
57	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> , 2017 , 123, 425-429	0.7	2
56	Dynamics of few cycle optical pulses in a non-Fermi liquid and AdS/CFT correspondence. <i>Modern Physics Letters B</i> , 2015 , 29, 1550096	1.6	2
55	Tunneling characteristics of a contact between a superlattice and non-Fermi liquid using the AdS/CFT correspondence. <i>Modern Physics Letters B</i> , 2014 , 28, 1450170	1.6	2
54	Three-dimensional few-cycle optical Airy pulses in the array of carbon nanotubes with multilevel impurities. <i>Modern Physics Letters B</i> , 2017 , 31, 1750005	1.6	1
53	Propagation of two-dimensional extremely short optical pulses in photonic crystal with silicene. <i>Modern Physics Letters B</i> , 2019 , 33, 1950037	1.6	1
52	Tunneling Characteristics of a Metal [Non-Fermi Liquid Contact and the AdS/CFT Correspondence. <i>Russian Physics Journal</i> , 2015 , 57, 1556-1560	0.7	1
51	Propagation of few cycle optical pulses in marginal Fermi liquid and ADS/CFT correspondence. <i>Physica B: Condensed Matter</i> , 2015 , 478, 43-46	2.8	1
50	Zitterbewegung in Four-Dimensional Spherically-Symmetric Spacetime. <i>Russian Physics Journal</i> , 2016 , 59, 892-899	0.7	1
49	Few-cycle optical pulses in a thin film of a topological insulator. <i>Optics Communications</i> , 2014 , 329, 151-153		1
48	Stabilization of electromagnetic solitons in thin films of topological insulators by constant electric field. <i>European Physical Journal B</i> , 2014 , 87, 1	1.2	1
47	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> , 2012 , 54, 1463-1466	0.8	1
46	Dynamics of ultimately short electromagnetic pulses in chiral carbon nanotubes in the presence of an external field. <i>Technical Physics</i> , 2014 , 59, 1749-1752	0.5	1
45	Extremely short electromagnetic pulse in a superlattice taking into account field inhomogeneity along its axis. <i>Semiconductors</i> , 2014 , 48, 1348-1352	0.7	1
44	The possibility of using RNA for optical applications. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2012 , 76, 260-263	0.4	1
43	Electromagnetic vortices in an array of carbon nanotubes. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2012 , 76, 1326-1328	0.4	1
42	Absolute negative conductivity of graphene with impurities in magnetic field. <i>Semiconductors</i> , 2011 , 45, 628-632	0.7	1
41	Curved graphene nanoribbons and tunneling current. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011 , 75, 1576-1578	0.4	1

40	Discrete solitons in the bigraphene with adsorbed atomic hydrogen. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011 , 75, 1655-1657	0.4	1
39	Absolute negative conductivity of graphene in the Hubbard model. <i>Physica Scripta</i> , 2010 , 82, 025704	2.6	1
38	Zitterbewegung near a Schwarzschild-type black hole. <i>Modern Physics Letters A</i> , 2016 , 31, 1650168	1.3	1
37	Three-dimensional extremely short optical pulses in the carbon nanotubes medium with polymers. <i>Optik</i> , 2018 , 157, 521-524	2.5	1
36	Influence of the order parameter on the dynamics of ultrashort pulses in an environment with carbon nanotubes. <i>Journal of Applied Physics</i> , 2017 , 121, 084301	2.5	0
35	Zitterbewegung in thin-film topological insulators in the presence of a terahertz pulse. <i>Physics of the Solid State</i> , 2012 , 54, 2462-2464	0.8	0
34	Negative differential conductivity of bigraphene controlled by an external voltage in a magnetic field. <i>Physics of the Solid State</i> , 2011 , 53, 1694-1698	0.8	0
33	Propagation of ultrashort optical pulses in anisotropic optical media with carbon nanotubes. <i>International Journal of Modern Physics B</i> , 2021 , 35, 2150197	1.1	0
32	On Dipole Moment of Impurity Carbon Nanotubes. <i>Russian Physics Journal</i> , 2017 , 59, 2137-2142	0.7	
31	The Impact of Multilevel Impurity on the Tunnel and Ballistic Currents in a Graphene Nanoribbon. <i>Russian Physics Journal</i> , 2017 , 60, 122-127	0.7	
30	Conductivity of impurity graphene nanoribbons and gate electric field. <i>Modern Physics Letters B</i> , 2017 , 31, 1750340	1.6	
29	The Influence of Metal Nanoparticles on the Propagation of Extremely Short Optical Pulses in Graphene. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2019 , 126, 265-268	0.7	
28	Zitterbewegung in cosmic string spacetime. <i>Modern Physics Letters A</i> , 2019 , 34, 1950135	1.3	
27	Interaction of Ultrashort Pulses in Metallic Nanotubes. <i>Russian Physics Journal</i> , 2015 , 58, 228-232	0.7	
26	Modeling of multidimensional light bullets in Fermi liquid and ADS/CFT correspondence. <i>Journal of Physics: Conference Series</i> , 2017 , 936, 012025	0.3	
25	Dissipative Solitons on a Torus. <i>Russian Physics Journal</i> , 2016 , 58, 1843-1847	0.7	
24	Ultrashort Optical Pulses in a Fermi Liquid and Duality of Gauge Gravitation. <i>Russian Physics Journal</i> , 2016 , 59, 352-358	0.7	
23	Magnetic Field Effect on Ultrashort Two-dimensional Optical Pulse Propagation in Silicon Nanotubes. <i>Russian Physics Journal</i> , 2018 , 61, 157-161	0.7	

- 22 Zitterbewegung in the AdS Cosmic String Space-Time. *Russian Physics Journal*, **2019**, 62, 205-209 0.7
- 21 Dynamics of ultra-short electromagnetic pulses in the system of chiral carbon nanotube waveguides in the presence of external alternating electric field. *Physica B: Condensed Matter*, **2014**, 438, 45-47 2.8
- 20 Propagation of an Ultrashort Optical Pulse in Graphene on a Thin-Film Topological-Insulator Substrate. *Russian Physics Journal*, **2014**, 57, 364-369 0.7
- 19 On the possibility of current amplification by random inhomogeneities in graphene. *Russian Physics Journal*, **2013**, 55, 1111-1116 0.7
- 18 Zitterbewegung in a GrapheneBoron Nitride Bilayer. *Russian Physics Journal*, **2013**, 56, 930-936 0.7
- 17 Dispersive Instability of Multidimensional Light Bullets in Impurity Metal and AdS/CFT Correspondence. *Russian Physics Journal*, **2017**, 60, 577-585 0.7
- 16 Extremely Short Optical Pulses and Ads/CFT Compliance. *EPJ Web of Conferences*, **2015**, 103, 08001 0.3
- 15 Exciton Polarization in Carbon Nanotubes. *Russian Physics Journal*, **2015**, 58, 678-682 0.7
- 14 Electromagnetic solitons propagating along quantum wires. *Bulletin of the Russian Academy of Sciences: Physics*, **2014**, 78, 1265-1268 0.4
- 13 Ultrashort optical pulse in a thin film of a topological insulator. *Journal of Russian Laser Research*, **2012**, 33, 227-230 0.7
- 12 Extremely short optical pulse in a thin-film topological insulator with a hexagonal lattice. *Physics of the Solid State*, **2012**, 54, 1625-1627 0.8
- 11 Absolute negative conductivity in zig-zag carbon nanotubes in the presence of a magnetic field. *Russian Physics Journal*, **2012**, 54, 1185-1190 0.7
- 10 Domain structure of graphene with Hubbard interaction under conditions of emergence of a spontaneous transverse field. *Russian Journal of Physical Chemistry B*, **2011**, 5, 215-219 1.2
- 9 Ferroelectric phase transition in graphene with the Hubbard interaction. *Physics of the Solid State*, **2011**, 53, 2520-2524 0.8
- 8 Spontaneous transverse field in impurity graphene. *Technical Physics*, **2011**, 56, 1123-1128 0.5
- 7 Solitons in a System of Coupled Bilayer Graphene Waveguides. *Fullerenes Nanotubes and Carbon Nanostructures*, **2012**, 20, 574-578 1.8
- 6 Amplification of electromagnetic pulses in graphene with Hubbard interaction by a uniform high-frequency alternating field. *Russian Journal of Physical Chemistry B*, **2010**, 4, 709-714 1.2
- 5 Alternating field-induced phase transition in zigzag carbon nanotubes. *Journal of Russian Laser Research*, **2010**, 31, 415-420 0.7

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| 4 | Visualization of Three-Dimensional Light Bullets Propagation in Nanotubes Taking into Account the Mechanical Tension and Magnetic Field Using Graphics Processor. <i>Springer Proceedings in Physics</i> , 2021 , 537-544 | 0.2 |
| 3 | Two-dimensional ultrashort pulses in topological Kondo insulators. <i>Modern Physics Letters B</i> , 2020 , 34, 2050035 | 1.6 |
| 2 | Peculiarities of extremely short optical pulses propagation in carbon nanotube medium with nonlinear absorption. <i>Modern Physics Letters B</i> , 2020 , 34, 2050358 | 1.6 |
| 1 | Few cycle pulses in semi-holographic Fermi liquid with impurities. <i>Modern Physics Letters B</i> , 2016 , 30, 1650092 | 1.6 |