

Natalia N Konobeeva

List of Publications by Year in descending order

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99
papers

256
citations

1162367

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1281420

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100
all docs

100
docs citations

100
times ranked

63
citing authors

#	ARTICLE	IF	CITATIONS
1	Amplification of ultimately-short pulses in graphene in the presence of a high-frequency field. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2010, 108, 618-623.	0.2	19
2	Two-dimensional extremely short electromagnetic pulses in a Bragg medium with carbon nanotubes. European Physical Journal D, 2015, 69, 1.	0.6	17
3	Solitons in a system of coupled graphene waveguides. Physics of the Solid State, 2012, 54, 174-177.	0.2	12
4	EXTREMELY SHORT OPTICAL PULSES IN CARBON NANOTUBES IN DISPERSIVE NONMAGNETIC DIELECTRIC MEDIA. International Journal of Modern Physics B, 2011, 25, 3401-3408.	1.0	11
5	Ultimately short optical pulses in carbon nanotubes in dispersive nonmagnetic dielectric media. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2011, 111, 85-90.	0.2	11
6	Influence of multi-level impurities on the dynamics of ultrashort electromagnetic pulses in carbon nanotubes. Europhysics Letters, 2014, 106, 37005.	0.7	11
7	Stabilization of ultrashort pulses by external pumping in an array of carbon nanotubes subject to piezoelectric effects. Journal of Applied Physics, 2019, 126, .	1.1	10
8	Two-dimensional electromagnetic breathers in an array of nanotubes with multilevel impurities. Russian Journal of Physical Chemistry B, 2014, 8, 409-415.	0.2	9
9	On the electronic spectrum in curved graphene nanoribbons. JETP Letters, 2013, 97, 400-403.	0.4	7
10	Ultrashort optical pulses in carbon nanotubes and graphene with periodic impurities. Physics of the Solid State, 2010, 52, 1780-1786.	0.2	6
11	Tunneling through the carbon nanotube/graphene interface exposed to a strong oscillating electric field. Journal of Nanophotonics, 2010, 4, 041670.	0.4	6
12	Electronic spectrum and tunneling current in curved graphene nanoribbons. Solid State Communications, 2011, 151, 1147-1150.	0.9	6
13	Effect of the intrinsic nonlinearity on the propagation of ultrashort optical pulses in carbon nanotubes in dispersive nonmagnetic dielectric media. Technical Physics, 2013, 58, 621-624.	0.2	6
14	Dynamics of ultimately short electromagnetic pulses in silicene waveguides. Technical Physics Letters, 2013, 39, 579-581.	0.2	6
15	Dynamics of ultimately short electromagnetic pulses in chiral carbon nanotubes. Physics of the Solid State, 2013, 55, 2124-2127.	0.2	6
16	The effect of proper nonlinearity of the medium on the propagation of ultimately short pulses in an array of carbon nanotubes. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2013, 114, 157-160.	0.2	6
17	Peculiarities of the propagation of multidimensional extremely short optical pulses in germanene. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 3117-3120.	0.9	6
18	Propagation of ultrashort optical pulses in anisotropic optical media with carbon nanotubes. International Journal of Modern Physics B, 2021, 35, 2150197.	1.0	6

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19	External light control of three-dimensional ultrashort far-infrared pulses in an inhomogeneous array of carbon nanotubes. <i>Physical Review B</i> , 2021, 103, .	1.1	5
20	Absolute negative conductivity in graphene with the Hubbard interaction in a magnetic field. <i>Physics of the Solid State</i> , 2010, 52, 1952-1956.	0.2	4
21	ZITTERBEWEGUNG IN THIN FILMS OF TOPOLOGICAL INSULATORS WITH HEXAGONAL LATTICE IRRADIATED BY TERAHERTZ PULSES. <i>Modern Physics Letters B</i> , 2012, 26, 1250106.	1.0	4
22	Zitterbewegung in curved graphene. <i>Physica B: Condensed Matter</i> , 2015, 456, 115-117.	1.3	4
23	Opto-acoustic effects in an array of carbon nanotubes. <i>Journal of Applied Physics</i> , 2016, 120, 134307.	1.1	4
24	Three-dimensional few-cycle optical pulses in germanene with damping and amplification. <i>EPJ Web of Conferences</i> , 2017, 161, 02012.	0.1	4
25	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.	1.0	4
26	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.	1.2	3
27	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.	0.1	3
28	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.	1.0	3
29	Dynamics of few cycle optical pulses in a non-Fermi liquid and AdS/CFT correspondence. <i>Modern Physics Letters B</i> , 2015, 29, 1550096.	1.0	3
30	Ultrashort pulses in graphene with Coulomb impurities. <i>Optics and Spectroscopy (English Translation)</i> Tj ETQq0 0 Q,rgBT /Overlock 10 T	0.2	3
31	Multidimensional ultimately short optical pulses in silicene. <i>Technical Physics Letters</i> , 2017, 43, 386-389.	0.2	3
32	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.	0.2	3
33	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.	0.2	2
34	Terahertz radiation from carbon nanorings in external collinear constant and varying electric fields. <i>Technical Physics</i> , 2013, 58, 584-588.	0.2	2
35	Few-cycle optical pulses in a thin film of a topological insulator. <i>Optics Communications</i> , 2014, 329, 151-153.	1.0	2
36	Stabilization of electromagnetic solitons in thin films of topological insulators by constant electric field. <i>European Physical Journal B</i> , 2014, 87, 1.	0.6	2

#	ARTICLE	IF	CITATIONS
37	Ultrashort electromagnetic pulses in graphene with disorder. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overlock	0.2	2
38	Propagation of few cycle optical pulses in marginal Fermi liquid and ADS/CFT correspondence. Physica B: Condensed Matter, 2015, 478, 43-46.	1.3	2
39	Three-dimensional few-cycle optical Airy pulses in the array of carbon nanotubes with multilevel impurities. Modern Physics Letters B, 2017, 31, 1750005.	1.0	2
40	Sensitivity of graphene flakes and nanorings to impurities. Physica B: Condensed Matter, 2017, 514, 51-53.	1.3	2
41	Three-dimensional dissipative quasi-solitons in carbon nanotubes. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overlock	0.2	2
42	The dynamics of three-dimensional extremely short pulses in carbon nanotubes with attenuation and amplification. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2017, 123, 624-628.	0.2	2
43	Propagation of three-dimensional extremely short optical pulses in germanene in the presence of an external electric field. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2017, 123, 425-429.	0.2	2
44	Two-dimensional electroacoustic waves in silicene. Applied Physics B: Lasers and Optics, 2018, 124, 1.	1.1	2
45	Three-dimensional extremely short optical pulses in the carbon nanotubes medium with polymers. Optik, 2018, 157, 521-524.	1.4	2
46	Propagation of two-dimensional extremely short optical pulses in photonic crystal with silicene. Modern Physics Letters B, 2019, 33, 1950037.	1.0	2
47	Absolute negative conductivity of graphene in the Hubbard model. Physica Scripta, 2010, 82, 025704.	1.2	1
48	Absolute negative conductivity of graphene with impurities in magnetic field. Semiconductors, 2011, 45, 628-632.	0.2	1
49	Negative differential conductivity of bigraphene controlled by an external voltage in a magnetic field. Physics of the Solid State, 2011, 53, 1694-1698.	0.2	1
50	Curved graphene nanoribbons and tunneling current. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 1576-1578.	0.1	1
51	Discrete solitons in the bigraphene with adsorbed atomic hydrogen. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 1655-1657.	0.1	1
52	Zitterbewegung in thin-film topological insulators in the presence of a terahertz pulse. Physics of the Solid State, 2012, 54, 2462-2464.	0.2	1
53	The possibility of using RNA for optical applications. Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 260-263.	0.1	1
54	Electromagnetic vortices in an array of carbon nanotubes. Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 1326-1328.	0.1	1

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55	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.	0.2	1
56	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.	0.2	1
57	Extremely short electromagnetic pulse in a superlattice taking into account field inhomogeneity along its axis. <i>Semiconductors</i> , 2014, 48, 1348-1352.	0.2	1
58	Tunneling Characteristics of a Metal $\hat{=}$ Non-Fermi Liquid Contact and the AdS/CFT Correspondence. <i>Russian Physics Journal</i> , 2015, 57, 1556-1560.	0.2	1
59	Zitterbewegung near a Schwarzschild-type black hole. <i>Modern Physics Letters A</i> , 2016, 31, 1650168.	0.5	1
60	Zitterbewegung in Four-Dimensional Spherically-Symmetric Spacetime. <i>Russian Physics Journal</i> , 2016, 59, 892-899.	0.2	1
61	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.	1.1	1
62	Conductivity of impurity graphene nanoribbons and gate electric field. <i>Modern Physics Letters B</i> , 2017, 31, 1750340.	1.0	1
63	Interaction of Two-Dimensional Extremely Short Optical Pulses in a Zig-Zag Carbon Nanotubes in the Presence of a High-Frequency Electric Field. <i>Journal of Nano- and Electronic Physics</i> , 2018, 10, 06043-1-06043-4.	0.2	1
64	Amplification of electromagnetic pulses in graphene with Hubbard interaction by a uniform high-frequency alternating field. <i>Russian Journal of Physical Chemistry B</i> , 2010, 4, 709-714.	0.2	0
65	Alternating field-induced phase transition in zigzag carbon nanotubes. <i>Journal of Russian Laser Research</i> , 2010, 31, 415-420.	0.3	0
66	Domain structure of graphene with Hubbard interaction under conditions of emergence of a spontaneous transverse field. <i>Russian Journal of Physical Chemistry B</i> , 2011, 5, 215-219.	0.2	0
67	Ferroelectric phase transition in graphene with the Hubbard interaction. <i>Physics of the Solid State</i> , 2011, 53, 2520-2524.	0.2	0
68	Spontaneous transverse field in impurity graphene. <i>Technical Physics</i> , 2011, 56, 1123-1128.	0.2	0
69	Solitons in a System of Coupled Bilayer Graphene Waveguides. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 574-578.	1.0	0
70	Ultrashort optical pulse in a thin film of a topological insulator. <i>Journal of Russian Laser Research</i> , 2012, 33, 227-230.	0.3	0
71	Extremely short optical pulse in a thin-film topological insulator with a hexagonal lattice. <i>Physics of the Solid State</i> , 2012, 54, 1625-1627.	0.2	0
72	Absolute negative conductivity in zig-zag carbon nanotubes in the presence of a magnetic field. <i>Russian Physics Journal</i> , 2012, 54, 1185-1190.	0.2	0

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73	On the possibility of current amplification by random inhomogeneities in graphene. Russian Physics Journal, 2013, 55, 1111-1116.	0.2	0
74	Zitterbewegung in a Graphene-Boron Nitride Bilayer. Russian Physics Journal, 2013, 56, 930-936.	0.2	0
75	Electromagnetic solitons propagating along quantum wires. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 1265-1268.	0.1	0
76	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.	1.3	0
77	Propagation of an Ultrashort Optical Pulse in Graphene on a Thin-Film Topological-Insulator Substrate. Russian Physics Journal, 2014, 57, 364-369.	0.2	0
78	Extremely Short Optical Pulses and Ads/CFT Compliance. EPJ Web of Conferences, 2015, 103, 08001.	0.1	0
79	Exciton Polarization in Carbon Nanotubes. Russian Physics Journal, 2015, 58, 678-682.	0.2	0
80	Interaction of Ultrashort Pulses in Metallic Nanotubes. Russian Physics Journal, 2015, 58, 228-232.	0.2	0
81	Few cycle pulses in semi-holographic Fermi liquid with impurities. Modern Physics Letters B, 2016, 30, 1650092.	1.0	0
82	Dissipative Solitons on a Torus. Russian Physics Journal, 2016, 58, 1843-1847.	0.2	0
83	Ultrashort Optical Pulses in a Fermi Liquid and Duality of Gauge Gravitation. Russian Physics Journal, 2016, 59, 352-358.	0.2	0
84	On Dipole Moment of Impurity Carbon Nanotubes. Russian Physics Journal, 2017, 59, 2137-2142.	0.2	0
85	The Impact of Multilevel Impurity on the Tunnel and Ballistic Currents in a Graphene Nanoribbon. Russian Physics Journal, 2017, 60, 122-127.	0.2	0
86	Dispersive Instability of Multidimensional Light Bullets in Impurity Metal and AdS/CFT Correspondence. Russian Physics Journal, 2017, 60, 577-585.	0.2	0
87	Modeling of multidimensional light bullets in Fermi liquid and ADS/CFT correspondence. Journal of Physics: Conference Series, 2017, 936, 012025.	0.3	0
88	Magnetic Field Effect on Ultrashort Two-dimensional Optical Pulse Propagation in Silicon Nanotubes. Russian Physics Journal, 2018, 61, 157-161.	0.2	0
89	Zitterbewegung in the AdS Cosmic String Space-Time. Russian Physics Journal, 2019, 62, 205-209.	0.2	0
90	The Influence of Metal Nanoparticles on the Propagation of Extremely Short Optical Pulses in Graphene. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2019, 126, 265-268.	0.2	0

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91	Zitterbewegung in cosmic string spacetime. <i>Modern Physics Letters A</i> , 2019, 34, 1950135.	0.5	0
92	Semiholographic Approach in Calculation of Tunneling Current in Graphene with Deep Impurities. <i>Journal of Nano- and Electronic Physics</i> , 2016, 8, 04029-1-04029-3.	0.2	0
93	Defects in Graphene Nanoribbons and Flakes: Influence on the Conductivity. <i>Journal of Nano- and Electronic Physics</i> , 2017, 9, 05049-1-05049-3.	0.2	0
94	2D Few Cycle Optical Pulses in Silicene in the Presence of External Electric Field. <i>Journal of Nano- and Electronic Physics</i> , 2017, 9, 03044-1-03044-3.	0.2	0
95	Collision of Two-dimensional Ultrashort Optical Pulses in the Medium with Carbon Nanotubes and the Order Parameter. <i>Journal of Nano- and Electronic Physics</i> , 2018, 10, 02046-1-02046-3.	0.2	0
96	Indirect Interaction in Graphene Nanostructures. <i>Journal of Nano- and Electronic Physics</i> , 2018, 10, 02040-1-02040-3.	0.2	0
97	Two-dimensional ultrashort pulses in topological Kondo insulators. <i>Modern Physics Letters B</i> , 2020, 34, 2050035.	1.0	0
98	Peculiarities of extremely short optical pulses propagation in carbon nanotube medium with nonlinear absorption. <i>Modern Physics Letters B</i> , 2020, 34, 2050358.	1.0	0
99	Influence of nonlinear absorption on the propagation of ultrashort optical pulses in an anisotropic optical medium with carbon nanotubes. <i>Modern Physics Letters B</i> , 0, , .	1.0	0