

Natalia N Konobeeva

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.

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 | 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 |
| 92 | 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 | |
| 91 | 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 |
| 90 | 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 |
| 89 | Two-dimensional ultrashort pulses in topological Kondo insulators. <i>Modern Physics Letters B</i> , 2020 , 34, 2050035 | 1.6 | |
| 88 | 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 | |
| 87 | 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 | |
| 86 | Zitterbewegung in cosmic string spacetime. <i>Modern Physics Letters A</i> , 2019 , 34, 1950135 | 1.3 | |
| 85 | 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 |
| 84 | Zitterbewegung in the AdS Cosmic String Space-Time. <i>Russian Physics Journal</i> , 2019 , 62, 205-209 | 0.7 | |
| 83 | 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 |
| 82 | Two-dimensional electroacoustic waves in silicene. <i>Applied Physics B: Lasers and Optics</i> , 2018 , 124, 1 | 1.9 | 2 |
| 81 | Magnetic Field Effect on Ultrashort Two-dimensional Optical Pulse Propagation in Silicon Nanotubes. <i>Russian Physics Journal</i> , 2018 , 61, 157-161 | 0.7 | |
| 80 | Three-dimensional extremely short optical pulses in the carbon nanotubes medium with polymers. <i>Optik</i> , 2018 , 157, 521-524 | 2.5 | 1 |
| 79 | 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 |
| 78 | On Dipole Moment of Impurity Carbon Nanotubes. <i>Russian Physics Journal</i> , 2017 , 59, 2137-2142 | 0.7 | |
| 77 | 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 | |

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| 76 | Multidimensional ultimately short optical pulses in silicene. <i>Technical Physics Letters</i> , 2017 , 43, 386-389 | 0.7 | 2 |
| 75 | 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 |
| 74 | 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 |
| 73 | Sensitivity of graphene flakes and nanorings to impurities. <i>Physica B: Condensed Matter</i> , 2017 , 514, 51-53 | 3.8 | 2 |
| 72 | Conductivity of impurity graphene nanoribbons and gate electric field. <i>Modern Physics Letters B</i> , 2017 , 31, 1750340 | 1.6 | |
| 71 | Modeling of multidimensional light bullets in Fermi liquid and AdS/CFT correspondence. <i>Journal of Physics: Conference Series</i> , 2017 , 936, 012025 | 0.3 | |
| 70 | Three-dimensional few-cycle optical pulses in germanene with damping and amplification. <i>EPJ Web of Conferences</i> , 2017 , 161, 02012 | 0.3 | 3 |
| 69 | Dispersive Instability of Multidimensional Light Bullets in Impurity Metal and AdS/CFT Correspondence. <i>Russian Physics Journal</i> , 2017 , 60, 577-585 | 0.7 | |
| 68 | 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 |
| 67 | 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 |
| 66 | 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 |
| 65 | 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 |
| 64 | Zitterbewegung in Four-Dimensional Spherically-Symmetric Spacetime. <i>Russian Physics Journal</i> , 2016 , 59, 892-899 | 0.7 | 1 |
| 63 | Dissipative Solitons on a Torus. <i>Russian Physics Journal</i> , 2016 , 58, 1843-1847 | 0.7 | |
| 62 | Ultrashort Optical Pulses in a Fermi Liquid and Duality of Gauge Gravitation. <i>Russian Physics Journal</i> , 2016 , 59, 352-358 | 0.7 | |
| 61 | Opto-acoustic effects in an array of carbon nanotubes. <i>Journal of Applied Physics</i> , 2016 , 120, 134307 | 2.5 | 3 |
| 60 | 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 |
| 59 | Few cycle pulses in semi-holographic Fermi liquid with impurities. <i>Modern Physics Letters B</i> , 2016 , 30, 1650092 | 1.6 | |

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| 58 | Zitterbewegung near a Schwarzschild-type black hole. <i>Modern Physics Letters A</i> , 2016 , 31, 1650168 | 1.3 | 1 |
| 57 | 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 |
| 56 | 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 |
| 55 | 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 |
| 54 | 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 |
| 53 | Interaction of Ultrashort Pulses in Metallic Nanotubes. <i>Russian Physics Journal</i> , 2015 , 58, 228-232 | 0.7 | |
| 52 | Zitterbewegung in curved graphene. <i>Physica B: Condensed Matter</i> , 2015 , 456, 115-117 | 2.8 | 4 |
| 51 | 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 |
| 50 | Extremely Short Optical Pulses and Ads/CFT Compliance. <i>EPJ Web of Conferences</i> , 2015 , 103, 08001 | 0.3 | |
| 49 | Exciton Polarization in Carbon Nanotubes. <i>Russian Physics Journal</i> , 2015 , 58, 678-682 | 0.7 | |
| 48 | Few-cycle optical pulses in a thin film of a topological insulator. <i>Optics Communications</i> , 2014 , 329, 151-153 | | 1 |
| 47 | 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> , 2014 , 438, 45-47 | 2.8 | |
| 46 | Propagation of an Ultrashort Optical Pulse in Graphene on a Thin-Film Topological-Insulator Substrate. <i>Russian Physics Journal</i> , 2014 , 57, 364-369 | 0.7 | |
| 45 | 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 |
| 44 | 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 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |

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| 40 | 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 |
| 39 | Electromagnetic solitons propagating along quantum wires. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2014 , 78, 1265-1268 | 0.4 | |
| 38 | On the electronic spectrum in curved graphene nanoribbons. <i>JETP Letters</i> , 2013 , 97, 400-403 | 1.2 | 6 |
| 37 | Terahertz radiation from carbon nanorings in external collinear constant and varying electric fields. <i>Technical Physics</i> , 2013 , 58, 584-588 | 0.5 | 2 |
| 36 | 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 |
| 35 | Dynamics of ultimately short electromagnetic pulses in silicene waveguides. <i>Technical Physics Letters</i> , 2013 , 39, 579-581 | 0.7 | 6 |
| 34 | On the possibility of current amplification by random inhomogeneities in graphene. <i>Russian Physics Journal</i> , 2013 , 55, 1111-1116 | 0.7 | |
| 33 | Dynamics of ultimately short electromagnetic pulses in chiral carbon nanotubes. <i>Physics of the Solid State</i> , 2013 , 55, 2124-2127 | 0.8 | 4 |
| 32 | Zitterbewegung in a GrapheneBoron Nitride Bilayer. <i>Russian Physics Journal</i> , 2013 , 56, 930-936 | 0.7 | |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | Ultrashort optical pulse in a thin film of a topological insulator. <i>Journal of Russian Laser Research</i> , 2012 , 33, 227-230 | 0.7 | |
| 27 | 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 | 0.8 | |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |

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| 22 | Solitons in a system of coupled graphene waveguides. <i>Physics of the Solid State</i> , 2012 , 54, 174-177 | 0.8 | 6 |
| 21 | Absolute negative conductivity in zig-zag carbon nanotubes in the presence of a magnetic field. <i>Russian Physics Journal</i> , 2012 , 54, 1185-1190 | 0.7 | |
| 20 | Solitons in a System of Coupled Bilayer Graphene Waveguides. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012 , 20, 574-578 | 1.8 | |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 | 1.2 | |
| 15 | 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 |
| 14 | Absolute negative conductivity of graphene with impurities in magnetic field. <i>Semiconductors</i> , 2011 , 45, 628-632 | 0.7 | 1 |
| 13 | 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 |
| 12 | Ferroelectric phase transition in graphene with the Hubbard interaction. <i>Physics of the Solid State</i> , 2011 , 53, 2520-2524 | 0.8 | |
| 11 | Spontaneous transverse field in impurity graphene. <i>Technical Physics</i> , 2011 , 56, 1123-1128 | 0.5 | |
| 10 | Curved graphene nanoribbons and tunneling current. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011 , 75, 1576-1578 | 0.4 | 1 |
| 9 | 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 |
| 8 | Electronic spectrum and tunneling current in curved graphene nanoribbons. <i>Solid State Communications</i> , 2011 , 151, 1147-1150 | 1.6 | 4 |
| 7 | 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 |
| 6 | 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 |
| 5 | Absolute negative conductivity of graphene in the Hubbard model. <i>Physica Scripta</i> , 2010 , 82, 025704 | 2.6 | 1 |

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| 4 | 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 |
| 3 | 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 |
| 2 | 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 | 1.2 | |
| 1 | Alternating field-induced phase transition in zigzag carbon nanotubes. <i>Journal of Russian Laser Research</i> , 2010 , 31, 415-420 | 0.7 | |