

Wu-Ming Liu

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.

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|--------------------|-------------------------|----------------|-----------------|
| 139 papers | 4,596 citations | 40 h-index | 62 g-index |
| 152 ext. papers | 5,194 ext. citations | 3.4 avg, IF | 5.79 L-index |

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 139 | Modulational instability and sister chirped femtosecond modulated waves in a nonlinear Schrödinger equation with self-steepening and self-frequency shift. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022 , 108, 106240 | 3.7 | 1 |
| 138 | Defective Majorana zero modes in a non-Hermitian Kitaev chain. <i>Physical Review B</i> , 2021 , 104, | 3.3 | 4 |
| 137 | Nanodevices engineering and spin transport properties of MnBi ₂ Te ₄ monolayer. <i>Npj Computational Materials</i> , 2021 , 7, | 10.9 | 13 |
| 136 | Nonlinear dynamics of a Bose-Einstein condensate excited by a vortex ring phase imprinting. <i>Results in Physics</i> , 2021 , 22, 103828 | 3.7 | 1 |
| 135 | Phase Engineering Chirped Super Rogue Waves in a Nonlinear Transmission Network with Dispersive Elements. <i>Advanced Theory and Simulations</i> , 2021 , 4, 2100062 | 3.5 | 3 |
| 134 | Whispering-gallery mode resonance-assisted plasmonic sensing and switching in subwavelength nanostructures. <i>Journal of Materials Science</i> , 2021 , 56, 4716-4726 | 4.3 | 1 |
| 133 | Spatiotemporal engineering of matter-wave solitons in Bose-Einstein condensates. <i>Physics Reports</i> , 2021 , 899, 1-62 | 27.7 | 23 |
| 132 | Formation of vortex rings and hopfions in trapped Bose-Einstein condensates. <i>Physics of Fluids</i> , 2021 , 33, 027105 | 4.4 | 3 |
| 131 | Phase engineering of chirped rogue waves in Bose-Einstein condensates with a variable scattering length in an expulsive potential. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 103, 105983 | 3.7 | 4 |
| 130 | Anomalous non-Abelian statistics for non-Hermitian generalization of Majorana zero modes. <i>Physical Review B</i> , 2021 , 104, | 3.3 | 1 |
| 129 | Engineering rogue waves with quintic nonlinearity and nonlinear dispersion effects in a modified Nogochi nonlinear electric transmission network. <i>Physical Review E</i> , 2020 , 102, 012203 | 2.4 | 14 |
| 128 | Supersolid phase of cold atoms. <i>European Physical Journal D</i> , 2020 , 74, 1 | 1.3 | 0 |
| 127 | Evaluating the exfoliation of two-dimensional materials with a Green's function surface model. <i>Physical Review B</i> , 2020 , 101, | 3.3 | 23 |
| 126 | Intrinsic localization of both topological (anti-kink) envelope and gray (black) gap solitons of the condensed bosons in deep optical lattices. <i>Chaos</i> , 2020 , 30, 123133 | 3.3 | 1 |
| 125 | Raman spectra and phonon structures of BaGa ₄ Se ₇ crystal. <i>Communications Physics</i> , 2020 , 3, | 5.4 | 6 |
| 124 | Modulational instability and soliton control in a cubic-quintic dissipative Gross-Pitaevskii equation with distributed coefficients. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020 , 53, 215003 | 1.3 | 4 |
| 123 | Topological transition from superfluid vortex rings to isolated knots and links. <i>Physical Review A</i> , 2020 , 102, | 2.6 | 5 |

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| 122 | Activating VS2 basal planes for enhanced NRR electrocatalysis: the synergistic role of S-vacancies and B dopants. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 16195-16202 | 13 | 85 |
| 121 | Finite-Component Multicriticality at the Superradiant Quantum Phase Transition. <i>Physical Review Letters</i> , 2020 , 125, 050402 | 7.4 | 7 |
| 120 | A spinel ferrite catalyst for efficient electroreduction of dinitrogen to ammonia. <i>Dalton Transactions</i> , 2020 , 49, 12559-12564 | 4.3 | 2 |
| 119 | Transmission of rogue wave signals through a modified Noguchi electrical transmission network. <i>Physical Review E</i> , 2019 , 99, 062222 | 2.4 | 13 |
| 118 | Photovoltaic Effect of Atomtronics Induced by an Artificial Gauge Field. <i>Physical Review Letters</i> , 2019 , 122, 223202 | 7.4 | 1 |
| 117 | Non-autonomous solitons in inhomogeneous nonlinear media with distributed dispersion. <i>Nonlinear Dynamics</i> , 2019 , 97, 449-469 | 5 | 23 |
| 116 | Two-fluid theory for a superfluid system with anisotropic effective masses. <i>Physical Review A</i> , 2019 , 99, | 2.6 | 3 |
| 115 | Metal-free N, S co-doped graphene for efficient and durable nitrogen reduction reaction. <i>Journal of Materials Science</i> , 2019 , 54, 9088 | 4.3 | 61 |
| 114 | Schrödinger Equations in Nonlinear Systems 2019 , | | 13 |
| 113 | Closed-Loop Control of Compensation Point in the $KBr/^{1}Ne$ Comagnetometer. <i>Physical Review Applied</i> , 2019 , 12, | 4.3 | 13 |
| 112 | Twin-beam-enhanced displacement measurement of a membrane in a cavity. <i>Applied Physics Letters</i> , 2019 , 115, 251105 | 3.4 | 2 |
| 111 | Magnetism and high magnetic-field-induced stability of alloy carbides in Fe-based materials. <i>Scientific Reports</i> , 2018 , 8, 3049 | 4.9 | 12 |
| 110 | Management of matter-wave solitons in Bose-Einstein condensates with time-dependent atomic scattering length in a time-dependent parabolic complex potential. <i>Physical Review E</i> , 2018 , 98, 012204 | 2.4 | 13 |
| 109 | Weyl type spin-orbit coupled ferromagnetic Bose-Einstein condensates under rotation. <i>Annals of Physics</i> , 2018 , 396, 87-95 | 2.5 | 4 |
| 108 | Solitonlike pulses along a modified Noguchi nonlinear electrical network with second-neighbor interactions: Analytical studies. <i>Physical Review E</i> , 2018 , 97, 052205 | 2.4 | 10 |
| 107 | Universal Dissipationless Dynamics in Gaussian Continuous-Variable Open Systems. <i>Physical Review Letters</i> , 2018 , 121, 220403 | 7.4 | 5 |
| 106 | Optimized fringe removal algorithm for absorption images. <i>Applied Physics Letters</i> , 2018 , 113, 144103 | 3.4 | 9 |
| 105 | Spin-orbit coupling manipulating composite topological spin textures in atomic-molecular Bose-Einstein condensates. <i>Physical Review A</i> , 2017 , 95, | 2.6 | 9 |

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| 104 | Modeling of matter-wave solitons in a nonlinear inductor-capacitor network through a Gross-Pitaevskii equation with time-dependent linear potential. <i>Physical Review E</i> , 2017 , 96, 022221 | 2.4 | 17 |
| 103 | Topological defect formation in rotating binary dipolar Bose-Einstein condensate. <i>Annals of Physics</i> , 2016 , 375, 368-377 | 2.5 | 11 |
| 102 | Dynamics of vortex quadrupoles in nonrotating trapped Bose-Einstein condensates. <i>Scientific Reports</i> , 2016 , 6, 29066 | 4.9 | 7 |
| 101 | Mechanism and modulation of terahertz generation from a semimetal-graphite. <i>Scientific Reports</i> , 2016 , 6, 22798 | 4.9 | 4 |
| 100 | High-responsivity vertical-illumination Si/Ge uni-traveling-carrier photodiodes based on silicon-on-insulator substrate. <i>Scientific Reports</i> , 2016 , 6, 27743 | 4.9 | 15 |
| 99 | Tunable topological quantum states in three- and two-dimensional materials. <i>Frontiers of Physics</i> , 2015 , 10, 161-176 | 3.7 | 12 |
| 98 | Supersolid with nontrivial topological spin textures in spin-orbit-coupled Bose gases. <i>Physical Review A</i> , 2015 , 91, | 2.6 | 45 |
| 97 | Engineering bright solitons to enhance the stability of two-component Bose-Einstein condensates. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015 , 379, 2977-2983 | 2.3 | 3 |
| 96 | Quantum Hall effects in a non-Abelian honeycomb lattice. <i>Physical Review A</i> , 2015 , 92, | 2.6 | 2 |
| 95 | Quantum dynamics and spectra of vibrational Raman-resonance fluorescence in a two-mode cavity. <i>Physical Review A</i> , 2015 , 92, | 2.6 | 3 |
| 94 | Dynamics of modulated waves in a lossy modified Noguchi electrical transmission line. <i>Physical Review E</i> , 2015 , 91, 062915 | 2.4 | 18 |
| 93 | Realization of high-luminous-efficiency InGaN light-emitting diodes in the "green gap" range. <i>Scientific Reports</i> , 2015 , 5, 10883 | 4.9 | 81 |
| 92 | Stacked bilayer phosphorene: strain-induced quantum spin Hall state and optical measurement. <i>Scientific Reports</i> , 2015 , 5, 13927 | 4.9 | 55 |
| 91 | Temperature-dependent photoluminescence in light-emitting diodes. <i>Scientific Reports</i> , 2014 , 4, 6131 | 4.9 | 90 |
| 90 | Quantum magnetic phase transition in square-octagon lattice. <i>Scientific Reports</i> , 2014 , 4, 6918 | 4.9 | 18 |
| 89 | Indium segregation measured in InGaN quantum well layer. <i>Scientific Reports</i> , 2014 , 4, 6734 | 4.9 | 14 |
| 88 | Layer anti-ferromagnetism on bilayer honeycomb lattice. <i>Scientific Reports</i> , 2014 , 4, 5367 | 4.9 | 16 |
| 87 | Fidelity susceptibility and topological phase transition of a two-dimensional spin-orbit-coupled Fermi superfluid. <i>Physical Review A</i> , 2014 , 89, | 2.6 | 9 |

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| 86 | Higgs type excitations in cold atom systems. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013 , 56, 2272-2277 | 3.6 | |
| 85 | QUANTUM PHASE TRANSITION OF COLD ATOMS IN OPTICAL LATTICES. <i>Annual Review of Cold Atoms and Molecules</i> , 2013 , 87-127 | | |
| 84 | Quantum anomalous Hall effect and tunable topological states in 3d transition metals doped silicene. <i>Scientific Reports</i> , 2013 , 3, 2908 | 4.9 | 137 |
| 83 | Exact wave solutions for Bose-Einstein condensates with time-dependent scattering length and spatiotemporal complicated potential. <i>Journal of Mathematical Physics</i> , 2013 , 54, 051501 | 1.2 | 7 |
| 82 | Topological quantum phase transition in synthetic non-Abelian gauge potential: gauge invariance and experimental detections. <i>Scientific Reports</i> , 2013 , 3, 2119 | 4.9 | 17 |
| 81 | Phase engineering, modulational instability, and solitons of Gross-Pitaevskii-type equations in 1+1 dimensions. <i>Physical Review E</i> , 2013 , 87, 022914 | 2.4 | 22 |
| 80 | Ground-state properties of spin-orbit-coupled Bose gases for arbitrary interactions. <i>Physical Review A</i> , 2013 , 87, | 2.6 | 26 |
| 79 | Unbounded quantum Fisher information in two-path interferometry with finite photon number. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013 , 46, 035302 | 2 | 20 |
| 78 | Quantum phase transitions and coherent tunneling in a bilayer of ultracold atoms with dipole interactions. <i>European Physical Journal B</i> , 2012 , 85, 1 | 1.2 | |
| 77 | Ground state of spin-1 Bose-Einstein condensates with spin-orbit coupling in a Zeeman field. <i>Physical Review A</i> , 2012 , 86, | 2.6 | 31 |
| 76 | Spin-orbit-coupled Bose-Einstein condensates confined in concentrically coupled annular traps. <i>Physical Review A</i> , 2012 , 86, | 2.6 | 26 |
| 75 | Monitoring of temperature distribution in living biological tissues via blood perfusion. <i>European Physical Journal Plus</i> , 2012 , 127, 1 | 3.1 | 6 |
| 74 | Dipole-dipole interaction in a photonic crystal nanocavity. <i>Physical Review A</i> , 2012 , 85, | 2.6 | 17 |
| 73 | Dynamics of geometric discord and measurement-induced nonlocality at finite temperature. <i>European Physical Journal D</i> , 2012 , 66, 1 | 1.3 | 19 |
| 72 | Unified minimum effective model of magnetic properties of iron-based superconductors. <i>Physical Review B</i> , 2012 , 85, | 3.3 | 51 |
| 71 | Quantum information and many body physics with cold atoms. <i>Science Bulletin</i> , 2012 , 57, 1910-1918 | | 4 |
| 70 | Theory of orbital magnetization in disordered systems. <i>Physical Review B</i> , 2012 , 86, | 3.3 | 16 |
| 69 | Circular-hyperbolic skyrmion in rotating pseudo-spin-1/2 Bose-Einstein condensates with spin-orbit coupling. <i>Physical Review A</i> , 2012 , 86, | 2.6 | 35 |

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| 68 | Spin-orbit-coupling-induced half-skyrmion excitations in rotating and rapidly quenched spin-1 Bose-Einstein condensates. <i>Physical Review A</i> , 2012 , 86, | 2.6 | 49 |
| 67 | Crystallized half-skyrmions and inverted half-skyrmions in the condensation of spin-1 Bose gases with spin-orbit coupling. <i>Physical Review A</i> , 2012 , 86, | 2.6 | 59 |
| 66 | Topological superfluid transition induced by a periodically driven optical lattice. <i>Physical Review A</i> , 2012 , 86, | 2.6 | 28 |
| 65 | Generation of ring dark solitons by phase engineering and their oscillations in spin-1 Bose-Einstein condensates. <i>Physical Review A</i> , 2012 , 85, | 2.6 | 16 |
| 64 | Half-vortex sheets and domain-wall trains of rotating two-component Bose-Einstein condensates in spin-dependent optical lattices. <i>Physical Review A</i> , 2012 , 85, | 2.6 | 12 |
| 63 | Controlling phase separation of a two-component Bose-Einstein condensate by confinement. <i>Physical Review A</i> , 2012 , 85, | 2.6 | 53 |
| 62 | Strong thermalization of the two-component Bose-Hubbard model at finite temperatures. <i>Physical Review A</i> , 2012 , 85, | 2.6 | 8 |
| 61 | Kondo metal and ferrimagnetic insulator on the triangular kagome lattice. <i>Physical Review Letters</i> , 2012 , 108, 246402 | 7.4 | 76 |
| 60 | Tuning the tricritical point with spin-orbit coupling in polarized fermionic condensates. <i>Physical Review Letters</i> , 2012 , 108, 080406 | 7.4 | 55 |
| 59 | Nonlinear optical behavior of a four-level quantum well with coupled relaxation of optical and longitudinal phonons. <i>Physical Review A</i> , 2011 , 84, | 2.6 | 35 |
| 58 | Nonautonomous helical motion of magnetization in ferromagnetic nanowire driven by spin-polarized current and magnetic field. <i>European Physical Journal B</i> , 2011 , 84, 197-202 | 1.2 | 2 |
| 57 | Matter rogue wave in Bose-Einstein condensates with attractive atomic interaction. <i>European Physical Journal D</i> , 2011 , 64, 473-478 | 1.3 | 90 |
| 56 | Matter-wave solitons in heteronuclear atomic Bose-Einstein condensates with synchronously controllable interactions and potentials. <i>Physical Review A</i> , 2011 , 84, | 2.6 | 9 |
| 55 | Effect on cavity optomechanics of the interaction between a cavity field and a one-dimensional interacting bosonic gas. <i>Physical Review A</i> , 2011 , 84, | 2.6 | 13 |
| 54 | Nonautonomous matter waves in a waveguide. <i>Physical Review A</i> , 2011 , 84, | 2.6 | 42 |
| 53 | Spontaneous crystallization of skyrmions and fractional vortices in fast-rotating and rapidly quenched spin-1 Bose-Einstein condensates. <i>Physical Review A</i> , 2011 , 84, | 2.6 | 23 |
| 52 | Quantum quench dynamics of the Bose-Hubbard model at finite temperatures. <i>Physical Review A</i> , 2011 , 83, | 2.6 | 13 |
| 51 | Light-scattering detection of quantum phases of ultracold atoms in optical lattices. <i>Physical Review A</i> , 2011 , 83, | 2.6 | 21 |

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| 50 | Dynamics of a degenerate Fermi gas in a one-dimensional optical lattice coupled to a cavity. <i>Physical Review A</i> , 2011 , 83, | 2.6 | 14 |
| 49 | Abelian and non-Abelian quantum geometric tensor. <i>Physical Review B</i> , 2010 , 81, | 3.3 | 48 |
| 48 | Cold atoms in a two-dimensional triangular optical lattice as an artificial frustrated system. <i>Physical Review A</i> , 2010 , 82, | 2.6 | 29 |
| 47 | Hartree-Fock-Bogoliubov theory of dipolar Fermi gases. <i>Physical Review A</i> , 2010 , 81, | 2.6 | 27 |
| 46 | Evolution equation for entanglement of assistance. <i>Physical Review A</i> , 2010 , 81, | 2.6 | 11 |
| 45 | Roughness with a finite correlation length in a microtrap. <i>Physical Review A</i> , 2010 , 81, | 2.6 | 1 |
| 44 | Domain-wall solutions of spinor Bose-Einstein condensates in an optical lattice. <i>Physical Review A</i> , 2010 , 81, | 2.6 | 29 |
| 43 | Interacting Dirac fermions on honeycomb lattice. <i>Physical Review B</i> , 2010 , 82, | 3.3 | 72 |
| 42 | Directed coherent transport due to the Bloch oscillation in two dimensions. <i>Physical Review A</i> , 2010 , 82, | 2.6 | 13 |
| 41 | Simulating and detecting the quantum spin Hall effect in the kagome optical lattice. <i>Physical Review A</i> , 2010 , 82, | 2.6 | 40 |
| 40 | Exact solutions of the Gross-Pitaevskii equation for stable vortex modes in two-dimensional Bose-Einstein condensates. <i>Physical Review A</i> , 2010 , 81, | 2.6 | 54 |
| 39 | Quantized quasi-two-dimensional Bose-Einstein condensates with spatially modulated nonlinearity. <i>Physical Review A</i> , 2010 , 81, | 2.6 | 105 |
| 38 | Localized nonlinear matter waves in two-component Bose-Einstein condensates with time- and space-modulated nonlinearities. <i>Physical Review A</i> , 2010 , 82, | 2.6 | 58 |
| 37 | Impurities in graphene. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010 , 207, 2726-2738 | 1.6 | 5 |
| 36 | Instantons in a ferromagnetic spin chain with biaxial anisotropy. <i>Physical Review B</i> , 2009 , 79, | 3.3 | 26 |
| 35 | Dynamics and modulation of ring dark solitons in two-dimensional Bose-Einstein condensates with tunable interaction. <i>Physical Review A</i> , 2009 , 79, | 2.6 | 37 |
| 34 | Evolution equation of entanglement for bipartite systems. <i>Physical Review A</i> , 2009 , 79, | 2.6 | 67 |
| 33 | Probing the quantum ground state of a spin-1 Bose-Einstein condensate with cavity transmission spectra. <i>Physical Review A</i> , 2009 , 80, | 2.6 | 10 |

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| 32 | Vector solitons in two-component Bose-Einstein condensates with tunable interactions and harmonic potential. <i>Physical Review A</i> , 2009 , 79, | 2.6 | 88 |
| 31 | Formation and transformation of vector solitons in two-species Bose-Einstein condensates with a tunable interaction. <i>Physical Review A</i> , 2009 , 79, | 2.6 | 62 |
| 30 | Bound of entanglement of assistance and monogamy constraints. <i>Physical Review A</i> , 2009 , 80, | 2.6 | 33 |
| 29 | Localization and the Kosterlitz-Thouless transition in disordered graphene. <i>Physical Review Letters</i> , 2009 , 102, 106401 | 7.4 | 133 |
| 28 | Matter-wave solitons of Bose-Einstein condensates in a time-dependent complicated potential. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 245303 | 1.3 | 28 |
| 27 | Controlling soliton interactions in Bose-Einstein condensates by synchronizing the Feshbach resonance and harmonic trap. <i>Physical Review A</i> , 2008 , 77, | 2.6 | 85 |
| 26 | Quantum blockade and loop currents in graphene with topological defects. <i>Physical Review B</i> , 2008 , 78, | 3.3 | 55 |
| 25 | Dynamical creation of fractionalized vortices and vortex lattices. <i>Physical Review Letters</i> , 2008 , 101, 010402 | 4.02 | 155 |
| 24 | Solitons in Bose-Einstein condensates with time-dependent atomic scattering length in an expulsive parabolic and complex potential. <i>Physical Review A</i> , 2008 , 78, | 2.6 | 70 |
| 23 | Explicit solutions to an effective Gross-Pitaevskii equation: One-dimensional Bose-Einstein condensate in specific traps. <i>Journal of Mathematical Physics</i> , 2008 , 49, 023503 | 1.2 | 16 |
| 22 | Localized gap-soliton trains of Bose-Einstein condensates in an optical lattice. <i>Physical Review E</i> , 2008 , 78, 026606 | 2.4 | 34 |
| 21 | Pairwise entanglement and local polarization of Heisenberg model | 2008 , 51, 1515-1522 | 6 |
| 20 | Solitary signals in electrical nonlinear transmission line. <i>Journal of Mathematical Physics</i> , 2007 , 48, 013508 | 2.2 | 14 |
| 19 | Magnetic quantum phase transition of cold atoms in an optical lattice. <i>Physical Review A</i> , 2007 , 76, | 2.6 | 53 |
| 18 | Singular Nonlinearity Management for Matter-Wave Solitons in Normal and Inverted Parabolic Potentials. <i>Journal of the Physical Society of Japan</i> , 2006 , 75, 114004 | 1.5 | 5 |
| 17 | BRIGHT SOLITONS MANAGED BY FESHBACH RESONANCE IN BOSE-EINSTEIN CONDENSATES. <i>Modern Physics Letters A</i> , 2006 , 21, 383-397 | 1.3 | 12 |
| 16 | Exact solutions of the derivative nonlinear Schrödinger equation for a nonlinear transmission line. <i>Physical Review E</i> , 2006 , 73, 026603 | 2.4 | 74 |
| 15 | Entanglement control in an anisotropic two-qubit Heisenberg XYZ model with external magnetic fields. <i>Physical Review A</i> , 2006 , 74, | 2.6 | 99 |

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| 14 | Phase diagram of two-species Bose-Einstein condensates in an optical lattice. <i>Physical Review A</i> , 2005 , 71, | 2.6 | 37 |
| 13 | Domain-wall resonance induced by spin-polarized current in metal thin films with stripe structures. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 46 |
| 12 | Semiclassical time evolution of the holes from Luttinger Hamiltonian. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 81 |
| 11 | Exact soliton solutions and nonlinear modulation instability in spinor Bose-Einstein condensates. <i>Physical Review A</i> , 2005 , 72, | 2.6 | 165 |
| 10 | Nonlinear dynamics of a dipolar Bose-Einstein condensate in an optical lattice. <i>Physical Review A</i> , 2005 , 71, | 2.6 | 48 |
| 9 | Magnetic soliton and soliton collisions of spinor Bose-Einstein condensates in an optical lattice. <i>Physical Review A</i> , 2005 , 71, | 2.6 | 58 |
| 8 | Dynamics of a bright soliton in Bose-Einstein condensates with time-dependent atomic scattering length in an expulsive parabolic potential. <i>Physical Review Letters</i> , 2005 , 94, 050402 | 7.4 | 325 |
| 7 | Nucleation and reshaping thermodynamics of Ni as catalyst of carbon nanotubes. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 23 |
| 6 | Magnetic solitons of spinor Bose-Einstein condensates in an optical lattice. <i>Physical Review A</i> , 2004 , 69, | 2.6 | 48 |
| 5 | Superfluid-Mott-insulator transition of dipolar bosons in an optical lattice. <i>Physical Review A</i> , 2004 , 70, | 2.6 | 25 |
| 4 | Increase in thermal stability induced by organic coatings on nanoparticles. <i>Physical Review B</i> , 2004 , 70, | 3.3 | 39 |
| 3 | Quantum tunneling of Bose-Einstein condensates in optical lattices under gravity. <i>Physical Review Letters</i> , 2002 , 88, 170408 | 7.4 | 139 |
| 2 | Interacting domain walls in an easy-plane ferromagnet. <i>Physical Review B</i> , 2002 , 65, | 3.3 | 30 |
| 1 | Polyethylene crystal lamella growth on the mica. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1992 , 10, 627-629 | 2.9 | 7 |