# Sadhan Adhikari

List of Publications by Year
in descending order

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|---|---|---|---|
| 331 papers | 6,579 citations | 81900 39 h-index | 118850 62 g-index |
| 342 all docs | 342 docs citations | 342 times ranked | 1543 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Deep inelastic collision of two-dimensional anisotropic dipolar condensate solitons. Communications in Nonlinear Science and Numerical Simulation, 2022, 106, 106094. | 3.3 | 4 |
| 2 | Supersolid-like solitons in a spin-orbit-coupled spin-2 condensate. Physical Review A, 2022, 105, . | 2.5 | 11 |
| 3 | Supersolid-like square- and honeycomb-lattice crystallization of droplets in a dipolar condensate. Physical Review A, 2022, 105, . | 2.5 | 16 |
| 4 | Low-energy three-body collisions between an antiproton pÌ... and muonic hydrogen atom H<sub>Î¼</sub>. EPJ Web of Conferences, 2022, 262, 01023. | 0.3 | 0 |
| 5 | Spin-1 spinâ€“orbit- and Rabi-coupled Boseâ€“Einstein condensate solver. Computer Physics Communications, 2021, 259, 107657. | 7.5 | 20 |
| 6 | Solitons in a Spin-Orbit-Coupled Spin-1 Bose-Einstein Condensate. Brazilian Journal of Physics, 2021, 51, 298-307. | 1.4 | 3 |
| 7 | Spontaneous spatial order in two-dimensional ferromagnetic spin-orbit coupled uniform spin-1 condensate solitons. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 388, 127042. | 2.1 | 7 |
| 8 | Multiring, stripe, and superlattice solitons in a spin-orbit-coupled spin-1 condensate. Physical Review A, 2021, 103, . | 2.5 | 23 |
| 9 | Supersolid-like states in a two-dimensional trapped spinâ€“orbit-coupled spin-1 condensate. Journal of Physics Condensed Matter, 2021, 33, 265402. | 1.8 | 5 |
| 10 | OpenMP solver for rotating spin-1 spinâ€“orbit- and Rabi-coupled Boseâ€“Einstein condensates. Computer Physics Communications, 2021, 264, 107926. | 7.5 | 8 |
| 11 | Symbiotic solitons in quasi-one- and quasi-two-dimensional spin-1 condensates. Physical Review E, 2021, 104, 024207. | 2.1 | 5 |
| 12 | Spatial order in a two-dimensional spinâ€“orbit-coupled spin-1/2 condensate: superlattice, multi-ring and stripe formation. Journal of Physics Condensed Matter, 2021, 33, 425402. | 1.8 | 2 |
| 13 | Vortex-lattice formation in a spinâ€“orbit coupled rotating spin-1 condensate. Journal of Physics Condensed Matter, 2021, 33, 065404. | 1.8 | 4 |
| 14 | Phase-separated symmetry-breaking vortex-lattice in a binary Bose-Einstein condensate. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 115, 113713. | 2.7 | 2 |
| 15 | Stable multi-peak vector solitons in spinâ€“orbit coupled spin-1 polar condensates. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 118, 113892. | 2.7 | 6 |
| 16 | Symmetry-breaking vortex-lattice of a binary superfluid in a rotating bucket. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126105. | 2.1 | 0 |
| 17 | Vortex-lattice in a uniform Boseâ€“Einstein condensate in a box trap. Journal of Physics Condensed Matter, 2019, 31, 275401. | 1.8 | 7 |
| 18 | Weak coupling to unitarity crossover in Bose-Fermi mixtures: Mixing-demixing transition and spontaneous symmetry breaking in trapped systems. Physical Review A, 2019, 100, . | 2.5 | 7 |

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| 19 | Limitation of the Leeâ€“Huangâ€“Yang interaction in forming a self-bound state in Boseâ€“Einstein condensates. Annals of Physics, 2019, 409, 167917. | 2.8 | 5 |
| 20 | Phase-separated vortex-lattice in a rotating binary Boseâ€“Einstein condensate. Communications in Nonlinear Science and Numerical Simulation, 2019, 71, 212-219. | 3.3 | 5 |
| 21 | Self-trapped quantum balls in binary Boseâ€“Einstein condensates. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 055302. | 1.5 | 16 |
| 22 | C and Fortran OpenMP programs for rotating Boseâ€“Einstein condensates. Computer Physics Communications, 2019, 240, 74-82. | 7.5 | 22 |
| 23 | Stable controllable giant vortex in a trapped Boseâ€“Einstein condensate. Laser Physics Letters, 2019, 16, 085501. | 1.4 | 6 |
| 24 | Phase separation of vector solitons in spin-orbit-coupled spin-1 condensates. Physical Review A, 2019, 100, . | 2.5 | 19 |
| 25 | Three-dimensional vortex-bright solitons in a spin-orbit-coupled spin-1 condensate. Physical Review A, 2018, 97, . | 2.5 | 44 |
| 26 | Improved effective-range expansions for small and large values of scattering length. European Journal of Physics, 2018, 39, 055403. | 0.6 | 5 |
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| 37 | OpenMP Fortran and C programs for solving the time-dependent Grossâ€“Pitaevskii equation in an anisotropic trap. Computer Physics Communications, 2016, 204, 209-213. | 7.5 | 52 |
| 38 | OpenMP, OpenMP/MPI, and CUDA/MPI C programs for solving the time-dependent dipolar Grossâ€“Pitaevskii equation. Computer Physics Communications, 2016, 209, 190-196. | 7.5 | 39 |
| 39 | Elastic collision and molecule formation of spatiotemporal light bullets in a cubic-quintic nonlinear medium. Physical Review E, 2016, 94, 032217. | 2.1 | 13 |
| 40 | Fractional-charge vortex in a spinor Bose-Einstein condensate. Physical Review A, 2016, 93, . | 2.5 | 8 |
| 41 | Low temperature HD+ortho-/para-H<sub>2</sub>inelastic scattering of astrophysical interest. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 015203. | 1.5 | 12 |
| 42 | Stable and mobile two-dimensional dipolar ring-dark-in-bright Boseâ€“Einstein condensate soliton. Laser Physics Letters, 2016, 13, 035502. | 1.4 | 5 |
| 43 | CUDA programs for solving the time-dependent dipolar Grossâ€“Pitaevskii equation in an anisotropic trap. Computer Physics Communications, 2016, 200, 406-410. | 7.5 | 51 |
| 44 | Hybrid OpenMP/MPI programs for solving the time-dependent Grossâ€“Pitaevskii equation in a fully anisotropic trap. Computer Physics Communications, 2016, 200, 411-417. | 7.5 | 61 |
| 45 | Analytic models for the density of a ground-state spinor condensate. Physical Review A, 2015, 92, . | 2.5 | 23 |
| 46 | Vector solitons in a spin-orbit-coupled spin-2 Bose-Einstein condensate. Physical Review A, 2015, 91, . | 2.5 | 35 |
| 47 | Stable spatial and spatiotemporal optical soliton in the core of an optical vortex. Physical Review E, 2015, 92, 042926. | 2.1 | 9 |
| 48 | Three-Body Protonium Formation in a Collision Between a Slow Antiproton ( $${ar{m p}}$$ p Â¯ ) and Muonic Hydrogen: $${{m H}_{mu}}$$ H Î¼ â€”Low Energy $${ar{m p} + ({m p} mu^-)_{1s} ightarrow (ar{m p} {m p})_{1s} + mu^-}$$ p Â¯ + ( p Î¼ - ) 1 s â†’ ( p Â¯ p ) 1 s + Î¼ - Reaction. Few-Body Systems, 2015, 56, 793-800. | 1.5 | 2 |
| 49 | Spontaneous symmetry breaking in a spin-orbit-coupled<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>f</mml:mi><mml:mo>=</mml:mo><mml:mn>22</mml:mn></mml:mrow></mml:math> condensate. Physical Review A, 2015, 91, . | 2.5 | 22 |
| 50 | Fortran and C programs for the time-dependent dipolar Grossâ€“Pitaevskii equation in an anisotropic trap. Computer Physics Communications, 2015, 195, 117-128. | 7.5 | 94 |
| 51 | Mobile vector soliton in a spinâ€“orbit coupled spin-1 condensate. Laser Physics Letters, 2015, 12, 045501. | 1.4 | 39 |
| 52 | Stable matter-wave solitons in the vortex core of a uniform condensate. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 165303. | 1.5 | 1 |
| 53 | Dimensional Reduction and Localization of a Bose-Einstein Condensate in a Quasi-1D Bichromatic Optical Lattice. Acta Physica Polonica A, 2015, 128, 979-982. | 0.5 | 5 |
| 54 | Stable, mobile, dark-in-bright, dipolar Bose-Einstein-condensate solitons. Physical Review A, 2014, 89, . | 2.5 | 21 |

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| 55 | Demixing and symmetry breaking in binary dipolar Bose-Einstein-condensate solitons. Physical Review A, 2014, 89, . | 2.5 | 13 |
| 56 | Phase separation in a spin-orbit-coupled Bose-Einstein condensate. Physical Review A, 2014, 90, . | 2.5 | 45 |
| 57 | Self-trapping of a dipolar Bose-Einstein condensate in a double well. Physical Review A, 2014, 89, . | 2.5 | 12 |
| 58 | Bright dipolar Bose-Einstein-condensate soliton mobile in a direction perpendicular to polarization. Physical Review A, 2014, 90, . | 2.5 | 7 |
| 59 | Stable and mobile excited two-dimensional dipolar Boseâ€“Einstein condensate solitons. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 225304. | 1.5 | 5 |
| 60 | Statics and dynamics of a binary dipolar Boseâ€“Einstein condensate soliton. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 015302. | 1.5 | 14 |
| 61 | Localization of a spin-orbit-coupled Bose-Einstein condensate in a bichromatic optical lattice. Physical Review A, 2014, 89, . | 2.5 | 54 |
| 62 | Dipolar droplet bound in a trapped Bose-Einstein condensate. Physical Review A, 2013, 87, . | 2.5 | 12 |
| 63 | Stability of trapped degenerate dipolar Bose and Fermi gases. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 115301. | 1.5 | 5 |
| 64 | Stability and collapse of fermions in a binary dipolar boson-fermion<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>164</mml:mn></mml:msup></mml:math>Dy-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>161</mml:mn></mml:msup></mml:math>Dy mixture. Physical Review A, 2013, 88, . | 2.5 | 7 |
| 65 | Two-dimensional dipolar Boseâ€“Einstein condensate bright and vortex solitons on a one-dimensional optical lattice. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 045301. | 1.5 | 20 |
| 66 | Study of a degenerate dipolar Fermi gas of161Dy atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 235303. | 1.5 | 3 |
| 67 | Mixing, demixing, and structure formation in a binary dipolar Bose-Einstein condensate. Physical Review A, 2012, 86, . | 2.5 | 24 |
| 68 | Dipolar Bose-Einstein condensates with large scattering length. Physical Review A, 2012, 85, . | 2.5 | 4 |
| 69 | A comparative study of the low energy HD+o-/p-H2 rotational excitation/de-excitation collisions and elastic scattering. AIP Advances, 2012, 2, . | 1.3 | 8 |
| 70 | Dipolar Boseâ€“Einstein condensate soliton on a two-dimensional optical lattice. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2200-2205. | 2.1 | 21 |
| 71 | C programs for solving the time-dependent Grossâ€“Pitaevskii equation in a fully anisotropic trap. Computer Physics Communications, 2012, 183, 2021-2025. | 7.5 | 168 |
| 72 | Ultracold collisions between two light indistinguishable diatomic molecules: Elastic and rotational energy transfer in HD+HD. Physical Review A, 2012, 85, . | 2.5 | 1 |

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| 73 | Dipolar Bose-Einstein condensate in a ring or in a shell. Physical Review A, 2012, 85, . | 2.5 | 28 |
| 74 | Anisotropic sound and shock waves in dipolar Boseâ€“Einstein condensate. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 480-483. | 2.1 | 17 |
| 75 | Numerical and variational solutions of the dipolar Gross-Pitaevskii equation in reduced dimensions. Laser Physics, 2012, 22, 813-820. | 1.2 | 35 |
| 76 | Localization of a Bose-Fermi mixture in a bichromatic optical lattice. Physical Review A, 2011, 84, . | 2.5 | 21 |
| 77 | Self-trapping of a binary Boseâ€“Einstein condensate induced by interspecies interaction. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 075301. | 1.5 | 11 |
| 78 | Dynamics of quasi-one-dimensional bright and vortex solitons of a dipolar Boseâ€“Einstein condensate with repulsive atomic interaction. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 101001. | 1.5 | 37 |
| 79 | Matter-wave localization in a weakly perturbed optical lattice. Physical Review A, 2011, 84, . | 2.5 | 17 |
| 80 | Localization of collisionally inhomogeneous condensates in a bichromatic optical lattice. Physical Review A, 2011, 83, . | 2.5 | 19 |
| 81 | Gap solitons in a dipolar Boseâ€“Einstein condensate on a three-dimensional optical lattice. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 121001. | 1.5 | 24 |
| 82 | Matter-wave localization in a random potential. Physical Review A, 2010, 82, . | 2.5 | 29 |
| 83 | Dimensional reduction of a binary Bose-Einstein condensate in mixed dimensions. Physical Review A, 2010, 82, . | 2.5 | 22 |
| 84 | Spatially-antisymmetric localization of matter wave in a bichromatic optical lattice. Laser Physics Letters, 2010, 7, 824-830. | 1.4 | 17 |
| 85 | Spontaneous symmetry breaking of Bose-Fermi mixtures in double-well potentials. Physical Review A, 2010, 81, . | 2.5 | 54 |
| 86 | Localization of a Bose-Einstein-condensate vortex in a bichromatic optical lattice. Physical Review A, 2010, 81, . | 2.5 | 33 |
| 87 | Symmetry breaking in a localized interacting binary Bose-Einstein condensate in a bichromatic optical lattice. Physical Review A, 2010, 81, . | 2.5 | 17 |
| 88 | Quenching of para-H2with an ultracold antihydrogen atomHÂ¯1s. Physical Review A, 2010, 81, . | 2.5 | 3 |
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| 90 | BCSâ€“BEC crossover in a trapped Fermi super-fluid using a density-functional equation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 085304. | 1.5 | 17 |

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| 91 | Effective nonlinear SchrÃ¶dinger equations for cigar-shaped and disc-shaped Fermi superfluids at unitarity. New Journal of Physics, 2009, 11, 023011. | 2.9 | 45 |
| 92 | Mean-field equations for cigar- and disc-shaped Bose and Fermi superfluids. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 215306. | 1.5 | 21 |
| 93 | Universal scaling in a trapped Fermi super-fluid in the BCS-unitarity crossover. Laser Physics Letters, 2009, 6, 901-905. | 1.4 | 26 |
| 94 | Gap solitons in fermion superfluids. Mathematics and Computers in Simulation, 2009, 80, 648-659. | 4.4 | 3 |
| 95 | Fortran programs for the time-dependent Grossâ€“Pitaevskii equation in a fully anisotropic trap. Computer Physics Communications, 2009, 180, 1888-1912. | 7.5 | 332 |
| 96 | Positronium interaction and its Bose-Einstein condensation. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2272-2276. | 0.8 | 5 |
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| 98 | Universal behavior of a trapped Fermi superfluid in the BCS-unitarity crossover. Physical Review A, 2009, 79, . | 2.5 | 15 |
| 99 | Self-trapping of a Fermi superfluid in a double-well potential in the Bose-Einstein-condensateâ€“unitarity crossover. Physical Review A, 2009, 80, . | 2.5 | 55 |
| 100 | Two-component gap solitons with linear interconversion. Physical Review A, 2009, 79, . | 2.5 | 30 |
| 101 | Localization of a Bose-Einstein condensate in a bichromatic optical lattice. Physical Review A, 2009, 80, . | 2.5 | 56 |
| 102 | Josephson oscillation of a superfluid Fermi gas. European Physical Journal D, 2008, 47, 413-419. | 1.3 | 17 |
| 103 | Superfluid Bose-Fermi mixture from weak coupling to unitarity. Physical Review A, 2008, 78, . | 2.5 | 94 |
| 104 | Symbiotic gap and semigap solitons in Bose-Einstein condensates. Physical Review A, 2008, 77, . | 2.5 | 31 |
| 105 | Semiclassical scattering in two dimensions. American Journal of Physics, 2008, 76, 1108-1113. | 0.7 | 8 |
| 106 | Nonlinear SchrÃ¶dinger equation for a superfluid Bose gas from weak coupling to unitarity: Study of vortices. Physical Review A, 2008, 77, . | 2.5 | 46 |
| 107 | Nonlinear SchrÃ¶dinger equation for a superfluid Fermi gas in the BCS-BEC crossover. Physical Review A, 2008, 77, . | 2.5 | 67 |
| 108 | Formation of bright solitons and soliton trains in a fermionâ€“fermion mixture by modulational instability. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 2673-2687. | 2.1 | 15 |

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| 109 | Tightly bound gap solitons in a Fermi gas. Europhysics Letters, 2007, 79, 50003. | 2.0 | 44 |
| 110 | Mixing-demixing transition and collapse of a vortex state in a quasi-two-dimensional boson-fermion mixture. Physical Review A, 2007, 75, . | 2.5 | 19 |
| 111 | One-dimensional superfluid Bose-Fermi mixture: Mixing, demixing, and bright solitons. Physical Review A, 2007, 76, . | 2.5 | 37 |
| 112 | Superfluid Fermi-Fermi mixture: Phase diagram, stability, and soliton formation. Physical Review A, 2007, 76, . | 2.5 | 21 |
| 113 | Self-bound droplet of Bose and Fermi atoms in one dimension: Collective properties in mean-field and Tonks-Girardeau regimes. Physical Review A, 2007, 75, . | 2.5 | 32 |
| 114 | Gap solitons in superfluid boson-fermion mixtures. Physical Review A, 2007, 76, . | 2.5 | 27 |
| 115 | The BCSâ€“Bose crossover theory. Physica C: Superconductivity and Its Applications, 2007, 453, 37-45. | 1.2 | 31 |
| 116 | Finite-well potential in the 3D nonlinear SchrÃ¶dinger equation: application to Bose-Einstein condensation. European Physical Journal D, 2007, 42, 279-286. | 1.3 | 2 |
| 117 | Bright solitons and soliton trains in a fermion-fermion mixture. European Physical Journal D, 2006, 40, 157-160. | 1.3 | 10 |
| 118 | Simulation of a Stationary Dark Soliton in a Trapped Zero-Temperature Bose-Einstein Condensate. Journal of Low Temperature Physics, 2006, 143, 267-281. | 1.4 | 7 |
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| 120 | Black soliton in a quasi-one-dimensional trapped fermion-fermion mixture. Laser Physics Letters, 2006, 3, 605-611. | 1.4 | 10 |
| 121 | Dynamical collapse in a degenerate binary fermion mixture using a hydrodynamic model. New Journal of Physics, 2006, 8, 258-258. | 2.9 | 11 |
| 122 | Miscibility in a degenerate fermionic mixture induced by linear coupling. Physical Review A, 2006, 74, . | 2.5 | 21 |
| 123 | Mixing-demixing in a trapped degenerate fermion-fermion mixture. Physical Review A, 2006, 73, . | 2.5 | 24 |
| 124 | Bright solitons in coupled defocusing NLS equation supported by coupling: Application to Boseâ€“Einstein condensation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 346, 179-185. | 2.1 | 102 |
| 125 | Free expansion of fermionic dark solitons in a bosonâ€“fermion mixture. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 3607-3617. | 1.5 | 20 |
| 126 | Bound states of attractive Boseâ€“Einstein condensates in shallow traps in two and three dimensions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 579-591. | 1.5 | 11 |

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| 127 | Josephson oscillation and induced collapse in an attractive Bose-Einstein condensate. Physical Review A, 2005, 72, . | 2.5 | 14 |
| 128 | Evolution of a collapsing and exploding Bose-Einstein condensate in different trap symmetries. Physical Review A, 2005, 71, . | 2.5 | 11 |
| 129 | Fermionic bright soliton in a boson-fermion mixture. Physical Review A, 2005, 72, . | 2.5 | 72 |
| 130 | Stabilization of a(3+1)-dimensional soliton in a Kerr medium by a rapidly oscillating dispersion coefficient. Physical Review E, 2005, 71, 016611. | 2.1 | 29 |
| 131 | Mean-field model of jet formation in a collapsing Boseâ€“Einstein condensate. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 1185-1194. | 1.5 | 18 |
| 132 | Mean-field description of a dynamical collapse of a fermionic condensate in a trapped boson-fermion mixture. Physical Review A, 2004, 70, . | 2.5 | 57 |
| 133 | Stabilization of a light bullet in a layered Kerr medium with sign-changing nonlinearity. Physical Review E, 2004, 70, 036608. | 2.1 | 22 |
| 134 | Bright Vortex Solitons in Bose Condensates. Few-Body Systems, 2004, 34, 197. | 1.5 | 4 |
| 135 | Matter-wave interference, Josephson oscillation and its disruption in a Bose-Einstein condensate on an optical lattice. Nuclear Physics A, 2004, 737, 289-293. | 1.5 | 3 |
| 136 | Stabilization of bright solitons and vortex solitons in a trapless three-dimensional Bose-Einstein condensate by temporal modulation of the scattering length. Physical Review A, 2004, 69, . | 2.5 | 105 |
| 137 | Matter-wave interference, Josephson oscillation and its disruption in a Bose-Einstein condensate on an optical lattice. Nuclear Physics A, 2004, 737, 289-293. | 1.5 | 2 |
| 138 | Mean-field model for Josephson oscillation in a Bose-Einstein condensate on an one-dimensional optical trap. European Physical Journal D, 2003, 25, 161-166. | 1.3 | 27 |
| 139 | Loss of superfluidity in a Boseâ€“Einstein condensate on an optical lattice via a novel classical phase transition. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 308, 302-307. | 2.1 | 17 |
| 140 | Mean-field model for the interference of matterâ€“waves from a three-dimensional optical trap. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 310, 229-235. | 2.1 | 20 |
| 141 | Loss of superfluidity in a Boseâ€“Einstein condensate via forced resonant oscillations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 313, 211-217. | 2.1 | 11 |
| 142 | Mean-field model of interaction between bright vortex solitons in Boseâ€“Einstein condensates. New Journal of Physics, 2003, 5, 137-137. | 2.9 | 45 |
| 143 | Boseâ€“Einstein condensation dynamics in three dimensions by the pseudospectral and finite-difference methods. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 2501-2513. | 1.5 | 111 |
| 144 | The critical number of atoms in an attractive Boseâ€“Einstein condensate on optical plus harmonic traps. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 2943-2949. | 1.5 | 6 |

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| 145 | Resonance in BoseÂEinstein condensate oscillation from a periodic variation in scattering length. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 1109-1120. | 1.5 | 28 |
| 146 | Expansion of a Boseâ€“Einstein condensate formed on a joint harmonic and one-dimensional optical-lattice potential. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 3951-3959. | 1.5 | 9 |
| 147 | Dynamical classical superfluidâ€“insulator transition in a Boseâ€“Einstein condensate on an optical lattice. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 2725-2731. | 1.5 | 6 |
| 148 | Chaotic oscillation in an attractive Bose-Einstein condensate under an impulsive force. Physical Review A, 2002, 65, . | 2.5 | 21 |
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| 150 | Dynamics of a collapsing and exploding Bose-Einstein condensed vortex state. Physical Review A, 2002, 66, . | 2.5 | 24 |
| 151 | Mean-field description of collapsing and exploding Bose-Einstein condensates. Physical Review A, 2002, 66, . | 2.5 | 53 |
| 152 | Low-energy direct muon transfer from H to Ne10+, S16+and Ar18+using the two-state close-coupling approximation to the Faddeev-Hahn-type equation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 935-945. | 1.5 | 10 |
| 153 | Bose-Einstein condensation dynamics from the numerical solution of the Gross-Pitaevskii equation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 2831-2843. | 1.5 | 118 |
| 154 | Positronium scattering by atoms and molecules at low energies. Nuclear Instruments & Methods in Physics Research B, 2002, 192, 74-82. | 1.4 | 6 |
| 155 | Mixing of dx2â^'y2 and dxy superconducting states for different filling and temperature. Physica C: Superconductivity and Its Applications, 2002, 370, 146-156. | 1.2 | 4 |
| 156 | Positroniumâ€“positronium interaction: resonance, scattering length, and Boseâ€“Einstein condensation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 294, 308-313. | 2.1 | 24 |
| 157 | Low-energy muon-transfer reaction from hydrogen isotopes to helium isotopes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 300, 417-420. | 2.1 | 2 |
| 158 | Dynamics of collapsing and exploding Boseâ€“Einstein condensate. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 296, 145-150. | 2.1 | 18 |
| 159 | Effect of an impulsive force on vortices in a rotating Boseâ€“Einstein condensate. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 301, 333-339. | 2.1 | 12 |
| 160 | Collapse of attractive Bose-Einstein condensed vortex states in a cylindrical trap. Physical Review E, 2001, 65, 016703. | 2.1 | 60 |
| 161 | Differential cross sections for elastic and inelastic positroniumâ€“hydrogen-atom scattering. Physical Review A, 2001, 63, . | 2.5 | 14 |
| 162 | Variational calculation of positronium-helium-atom scattering length. Physical Review A, 2001, 64, . | 2.5 | 11 |

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| 163 | Integral equations of scattering in one dimension. American Journal of Physics, 2001, 69, 1010-1013. | 0.7 | 32 |
| 164 | Low-energy three-body atomic collision within a coordinate-space integro-differential equation approach: Muon-transfer reaction. Nuclear Physics A, 2001, 684, 690-692. | 1.5 | 2 |
| 165 | Low-energy correlations in the positroniumâ€“hydrogen-atom system. Nuclear Physics A, 2001, 684, 666-668. | 1.5 | 2 |
| 166 | Stability and collapse of a coupled Boseâ€“Einstein condensate. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 281, 265-271. | 2.1 | 16 |
| 167 | Resonances in positroniumâ€“rubidium and positroniumâ€“cesium scattering. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 283, 224-228. | 2.1 | 5 |
| 168 | Linear to quadratic crossover of Cooper-pair dispersion relation. Physica C: Superconductivity and Its Applications, 2001, 351, 341-348. | 1.2 | 22 |
| 169 | Mixing of superconducting dx2â^'y2 state with s-wave states for different filling and temperature. Physica C: Superconductivity and Its Applications, 2001, 355, 77-86. | 1.2 | 7 |
| 170 | Stability and collapse of a hybrid Bose-Einstein condensate of atoms and molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 4231-4241. | 1.5 | 12 |
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| 173 | Comment on â€œTime-reversal symmetry-breaking superconductivityâ€• Physical Review B, 2001, 63, . | 3.2 | 4 |
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