

# Sadhan Adhikari

## List of Publications by Citations

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334  
papers

5,801  
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h-index

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341  
ext. papers

6,190  
ext. citations

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avg, IF

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L-index

| #   | Paper  | IF  | Citations |
|-----|--|-----|-----------|
| 334 | Fortran programs for the time-dependent Gross-Pitaevskii equation in a fully anisotropic trap. <i>Computer Physics Communications</i> , <b>2009</b> , 180, 1888-1912   | 4.2 | 284       |
| 333 | Quantum scattering in two dimensions. <i>American Journal of Physics</i> , <b>1986</b> , 54, 362-367   | 0.7 | 164       |
| 332 | C programs for solving the time-dependent Gross-Pitaevskii equation in a fully anisotropic trap. <i>Computer Physics Communications</i> , <b>2012</b> , 183, 2021-2025   | 4.2 | 152       |
| 331 | Bose-Einstein condensation dynamics from the numerical solution of the Gross-Pitaevskii equation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2002</b> , 35, 2831-2843                           | 1.3 | 113       |
| 330 | Bose-Einstein condensation dynamics in three dimensions by the pseudospectral and finite-difference methods. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2003</b> , 36, 2501-2513                | 1.3 | 104       |
| 329 | Stabilization of bright solitons and vortex solitons in a trapless three-dimensional Bose-Einstein condensate by temporal modulation of the scattering length. <i>Physical Review A</i> , <b>2004</b> , 69,                  | 2.6 | 100       |
| 328 | Superfluid Bose-Fermi mixture from weak coupling to unitarity. <i>Physical Review A</i> , <b>2008</b> , 78,  | 2.6 | 90        |
| 327 | Bright solitons in coupled defocusing NLS equation supported by coupling: Application to Bose-Einstein condensation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2005</b> , 346, 179-185 | 2.3 | 88        |
| 326 | Fortran and C programs for the time-dependent dipolar Gross-Pitaevskii equation in an anisotropic trap. <i>Computer Physics Communications</i> , <b>2015</b> , 195, 117-128  | 4.2 | 79        |
| 325 | Perturbative Renormalization in Quantum Few-Body Problems. <i>Physical Review Letters</i> , <b>1995</b> , 74, 487-491  | 1.4 | 77        |
| 324 | Separable expansion of the t matrix with analytic form factors. <i>Physical Review C</i> , <b>1975</b> , 11, 1133-1140   | 2.7 | 71        |
| 323 | Efimov and Thomas effects and the model dependence of three-particle observables in two and three dimensions. <i>Physical Review A</i> , <b>1988</b> , 37, 3666-3673   | 2.6 | 67        |
| 322 | Fermionic bright soliton in a boson-fermion mixture. <i>Physical Review A</i> , <b>2005</b> , 72,  | 2.6 | 66        |
| 321 | Electron exchange model potential: Application to positronium-helium scattering. <i>Physical Review A</i> , <b>1999</b> , 59, 363-370  | 2.6 | 66        |
| 320 | Numerical study of the spherically symmetric gross-pitaevskii equation in two space dimensions. <i>Physical Review E</i> , <b>2000</b> , 62, 2937-44   | 2.4 | 65        |
| 319 | Nonlinear Schrödinger equation for a superfluid Fermi gas in the BCS-BEC crossover. <i>Physical Review A</i> , <b>2008</b> , 77,   | 2.6 | 63        |
| 318 | Numerical solution of the two-dimensional Gross-Pitaevskii equation for trapped interacting atoms. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2000</b> , 265, 91-96                     | 2.3 | 60        |

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| 317 | Renormalization group in potential scattering. <i>Physical Review Letters</i> , <b>1995</b> , 74, 4572-4575   | 7.4 | 58 |
| 316 | Hybrid OpenMP/MPI programs for solving the time-dependent GrossPitaevskii equation in a fully anisotropic trap. <i>Computer Physics Communications</i> , <b>2016</b> , 200, 411-417 | 4.2 | 57 |
| 315 | Vortex-bright solitons in a spin-orbit-coupled spin-1 condensate. <i>Physical Review A</i> , <b>2017</b> , 95,  | 2.6 | 55 |
| 314 | Mean-field description of a dynamical collapse of a fermionic condensate in a trapped boson-fermion mixture. <i>Physical Review A</i> , <b>2004</b> , 70,                           | 2.6 | 55 |
| 313 | Collapse of attractive Bose-Einstein condensed vortex states in a cylindrical trap. <i>Physical Review E</i> , <b>2002</b> , 65, 016703   | 2.4 | 53 |
| 312 | Separable operator expansions for the t-matrix. <i>Nuclear Physics A</i> , <b>1975</b> , 241, 429-442   | 1.3 | 53 |
| 311 | Self-trapping of a Fermi superfluid in a double-well potential in the Bose-Einstein-condensateUnitarity crossover. <i>Physical Review A</i> , <b>2009</b> , 80,                     | 2.6 | 52 |
| 310 | CUDA programs for solving the time-dependent dipolar GrossPitaevskii equation in an anisotropic trap. <i>Computer Physics Communications</i> , <b>2016</b> , 200, 406-410           | 4.2 | 51 |
| 309 | Mean-field description of collapsing and exploding Bose-Einstein condensates. <i>Physical Review A</i> , <b>2002</b> , 66,  | 2.6 | 48 |
| 308 | OpenMP Fortran and C programs for solving the time-dependent GrossPitaevskii equation in an anisotropic trap. <i>Computer Physics Communications</i> , <b>2016</b> , 204, 209-213   | 4.2 | 48 |
| 307 | Localization of a Bose-Einstein condensate in a bichromatic optical lattice. <i>Physical Review A</i> , <b>2009</b> , 80,   | 2.6 | 47 |
| 306 | Spontaneous symmetry breaking of Bose-Fermi mixtures in double-well potentials. <i>Physical Review A</i> , <b>2010</b> , 81,  | 2.6 | 45 |
| 305 | Nonlinear Schrödinger equation for a superfluid Bose gas from weak coupling to unitarity: Study of vortices. <i>Physical Review A</i> , <b>2008</b> , 77,                           | 2.6 | 43 |
| 304 | Tightly bound gap solitons in a Fermi gas. <i>Europhysics Letters</i> , <b>2007</b> , 79, 50003   | 1.6 | 43 |
| 303 | Coupled Bose-Einstein condensate: Collapse for attractive interaction. <i>Physical Review A</i> , <b>2001</b> , 63,   | 2.6 | 43 |
| 302 | Mean-field model of interaction between bright vortex solitons in BoseEinstein condensates. <i>New Journal of Physics</i> , <b>2003</b> , 5, 137-137                                | 2.9 | 41 |
| 301 | Localization of a spin-orbit-coupled Bose-Einstein condensate in a bichromatic optical lattice. <i>Physical Review A</i> , <b>2014</b> , 89,  | 2.6 | 39 |
| 300 | Effective nonlinear Schrödinger equations for cigar-shaped and disc-shaped Fermi superfluids at unitarity. <i>New Journal of Physics</i> , <b>2009</b> , 11, 023011                 | 2.9 | 39 |

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| 299 | Scattering of positronium by H, He, Ne, and Ar. <i>Chemical Physics Letters</i> , <b>2000</b> , 317, 129-134  | 2.5 | 39 |
| 298 | Method for resonances and virtual states: Efimov virtual states. <i>Physical Review C</i> , <b>1982</b> , 26, 77-82   | 2.7 | 39 |
| 297 | Trinucleon system in a two-body model: Coulomb effect on bound and scattering states. <i>Physical Review C</i> , <b>1987</b> , 35, 441-447  | 2.7 | 38 |
| 296 | Mobile vector soliton in a spin-orbit coupled spin-1 condensate. <i>Laser Physics Letters</i> , <b>2015</b> , 12, 045501  | 1.5 | 35 |
| 295 | One-dimensional superfluid Bose-Fermi mixture: Mixing, demixing, and bright solitons. <i>Physical Review A</i> , <b>2007</b> , 76,  | 2.6 | 34 |
| 294 | Dynamics of quasi-one-dimensional bright and vortex solitons of a dipolar Bose-Einstein condensate with repulsive atomic interaction. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2011</b> , 44, 101001 | 1.3 | 33 |
| 293 | Numerical and variational solutions of the dipolar Gross-Pitaevskii equation in reduced dimensions. <i>Laser Physics</i> , <b>2012</b> , 22, 813-820  | 1.2 | 32 |
| 292 | Phase separation in a spin-orbit-coupled Bose-Einstein condensate. <i>Physical Review A</i> , <b>2014</b> , 90,   | 2.6 | 32 |
| 291 | Gap solitons in a model of a superfluid fermion gas in optical lattices. <i>Physica D: Nonlinear Phenomena</i> , <b>2009</b> , 238, 1402-1412   | 3.3 | 32 |
| 290 | Positronium atom scattering by H <sub>2</sub> in a coupled-channel framework. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2000</b> , 33, 1575-1584  | 1.3 | 32 |
| 289 | Cooper pair dispersion relation for weak to strong coupling. <i>Physical Review B</i> , <b>2000</b> , 62, 8671-8674   | 3.3 | 32 |
| 288 | Positronium-hydrogen-atom scattering in a five-state model. <i>Physical Review A</i> , <b>1999</b> , 59, 2058-2064  | 2.6 | 32 |
| 287 | New separable expansion for local potentials. <i>Physical Review C</i> , <b>1974</b> , 10, 1623-1628  | 2.7 | 32 |
| 286 | Three-dimensional vortex-bright solitons in a spin-orbit-coupled spin-1 condensate. <i>Physical Review A</i> , <b>2018</b> , 97,  | 2.6 | 31 |
| 285 | Renormalization in non-relativistic quantum mechanics. <i>Journal of Physics A</i> , <b>1997</b> , 30, 6553-6564  |     | 31 |
| 284 | OpenMP, OpenMP/MPI, and CUDA/MPI C programs for solving the time-dependent dipolar Gross-Pitaevskii equation. <i>Computer Physics Communications</i> , <b>2016</b> , 209, 190-196   | 4.2 | 31 |
| 283 | Vector solitons in a spin-orbit-coupled spin-2 Bose-Einstein condensate. <i>Physical Review A</i> , <b>2015</b> , 91,   | 2.6 | 30 |
| 282 | The BCS-Bose crossover theory. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 453, 37-45  | 1.3 | 30 |

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| 281 | Model independence of scattering of three identical bosons in two dimensions. <i>Physical Review A</i> , <b>1993</b> , 47, 1093-1100   | 2.6 | 30 |
| 280 | Self-bound droplet of Bose and Fermi atoms in one dimension: Collective properties in mean-field and Tonks-Girardeau regimes. <i>Physical Review A</i> , <b>2007</b> , 75,                         | 2.6 | 29 |
| 279 | Stabilization of a (3+1)-dimensional soliton in a Kerr medium by a rapidly oscillating dispersion coefficient. <i>Physical Review E</i> , <b>2005</b> , 71, 016611                                 | 2.4 | 29 |
| 278 | Efimov effect in the three-nucleon system. <i>Physical Review C</i> , <b>1982</b> , 26, 83-86  | 2.7 | 29 |
| 277 | Localization of a Bose-Einstein-condensate vortex in a bichromatic optical lattice. <i>Physical Review A</i> , <b>2010</b> , 81,   | 2.6 | 28 |
| 276 | Two-component gap solitons with linear interconversion. <i>Physical Review A</i> , <b>2009</b> , 79,   | 2.6 | 27 |
| 275 | Gap solitons in superfluid boson-fermion mixtures. <i>Physical Review A</i> , <b>2007</b> , 76,  | 2.6 | 27 |
| 274 | Resonance in Bose-Einstein condensate oscillation from a periodic variation in scattering length. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2003</b> , 36, 1109-1120 | 1.3 | 27 |
| 273 | Mean-field model for Josephson oscillation in a Bose-Einstein condensate on an one-dimensional optical trap. <i>European Physical Journal D</i> , <b>2003</b> , 25, 161-166                        | 1.3 | 27 |
| 272 | Integral equations of scattering in one dimension. <i>American Journal of Physics</i> , <b>2001</b> , 69, 1010-1013  | 0.7 | 27 |
| 271 | Positronium impact excitation of hydrogen molecule to B and b states. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1998</b> , 31, L315-L320                             | 1.3 | 27 |
| 270 | Decay properties of giant multipole resonances: Collective doorways and statistical doorways. <i>Physical Review Letters</i> , <b>1986</b> , 57, 1998-2001   | 7.4 | 27 |
| 269 | Symbiotic gap and semigap solitons in Bose-Einstein condensates. <i>Physical Review A</i> , <b>2008</b> , 77,  | 2.6 | 26 |
| 268 | Method for scattering equations. II. Iterative solution. <i>Physical Review C</i> , <b>1980</b> , 22, 28-35  | 2.7 | 26 |
| 267 | Positronium scattering by a hydrogen molecule including exchange. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1998</b> , 31, L737-L743                                 | 1.3 | 25 |
| 266 | OpenMP GNU and Intel Fortran programs for solving the time-dependent Gross-Pitaevskii equation. <i>Computer Physics Communications</i> , <b>2017</b> , 220, 503-506                                | 4.2 | 24 |
| 265 | Universal scaling in a trapped Fermi super-fluid in the BCS-unitarity crossover. <i>Laser Physics Letters</i> , <b>2009</b> , 6, 901-905   | 1.5 | 23 |
| 264 | Dynamics of a collapsing and exploding Bose-Einstein condensed vortex state. <i>Physical Review A</i> , <b>2002</b> , 66,  | 2.6 | 23 |

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| 263 | Quantum scattering in one dimension. <i>European Journal of Physics</i> , <b>2000</b> , 21, 435-440  | 0.8 | 23 |
| 262 | Effect of electron exchange in positronium-hydrogen scattering. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1998</b> , 31, 3147-3154   | 1.3 | 23 |
| 261 | <b>1998</b> ,  |     | 23 |
| 260 | Method for Lippmann-Schwinger equations. <i>Nuclear Physics A</i> , <b>1974</b> , 235, 352-360   | 1.3 | 23 |
| 259 | Localization of a dipolar Bose-Einstein condensate in a bichromatic optical lattice. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2010</b> , 43, 205305                         | 1.3 | 22 |
| 258 | Gap solitons in a dipolar Bose-Einstein condensate on a three-dimensional optical lattice. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2011</b> , 44, 121001                   | 1.3 | 22 |
| 257 | Mixing, demixing, and structure formation in a binary dipolar Bose-Einstein condensate. <i>Physical Review A</i> , <b>2012</b> , 86,   | 2.6 | 22 |
| 256 | Positronium-positronium interaction: resonance, scattering length, and Bose-Einstein condensation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2002</b> , 294, 308-313 | 2.3 | 22 |
| 255 | Linear to quadratic crossover of Cooper-pair dispersion relation. <i>Physica C: Superconductivity and Its Applications</i> , <b>2001</b> , 351, 341-348  | 1.3 | 22 |
| 254 | Numerical study of the coupled time-dependent Gross-Pitaevskii equation: application to Bose-Einstein condensation. <i>Physical Review E</i> , <b>2001</b> , 63, 056704                                    | 2.4 | 22 |
| 253 | Matter-wave localization in a random potential. <i>Physical Review A</i> , <b>2010</b> , 82,   | 2.6 | 21 |
| 252 | Mixing-demixing in a trapped degenerate fermion-fermion mixture. <i>Physical Review A</i> , <b>2006</b> , 73,  | 2.6 | 21 |
| 251 | Stabilization of a light bullet in a layered Kerr medium with sign-changing nonlinearity. <i>Physical Review E</i> , <b>2004</b> , 70, 036608  | 2.4 | 21 |
| 250 | Effective-range theory in two dimensions. <i>Journal of Chemical Physics</i> , <b>1986</b> , 85, 5580-5583   | 3.9 | 21 |
| 249 | Spurious solutions in few-body equations. <i>Physical Review C</i> , <b>1979</b> , 19, 616-630   | 2.7 | 21 |
| 248 | Method for scattering equations. <i>Physical Review C</i> , <b>1979</b> , 19, 1729-1732  | 2.7 | 21 |
| 247 | Low-Temperature Behavior of the Quantum Cluster Coefficients. <i>Physical Review Letters</i> , <b>1971</b> , 27, 485-487   | 4.4 | 21 |
| 246 | Dipolar Bose-Einstein condensate in a ring or in a shell. <i>Physical Review A</i> , <b>2012</b> , 85,   | 2.6 | 20 |

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| 245 | Mean-field equations for cigar- and disc-shaped Bose and Fermi superfluids. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2009</b> , 42, 215306                            | 1.3 | 20 |
| 244 | Convergent variational calculation of positronium-hydrogen-atom scattering lengths. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2001</b> , 34, L187-L194                 | 1.3 | 20 |
| 243 | Low-energy quenching of positronium by helium. <i>Physical Review A</i> , <b>1999</b> , 59, 4829-4832  | 2.6 | 20 |
| 242 | Analytic models for the density of a ground-state spinor condensate. <i>Physical Review A</i> , <b>2015</b> , 92,  | 2.6 | 19 |
| 241 | Dimensional reduction of a binary Bose-Einstein condensate in mixed dimensions. <i>Physical Review A</i> , <b>2010</b> , 82,   | 2.6 | 19 |
| 240 | Miscibility in a degenerate fermionic mixture induced by linear coupling. <i>Physical Review A</i> , <b>2006</b> , 74,   | 2.6 | 19 |
| 239 | Mixing-demixing transition and collapse of a vortex state in a quasi-two-dimensional boson-fermion mixture. <i>Physical Review A</i> , <b>2007</b> , 75,   | 2.6 | 19 |
| 238 | Mean-field model for the interference of matter waves from a three-dimensional optical trap. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2003</b> , 310, 229-235 | 2.3 | 19 |
| 237 | Free expansion of fermionic dark solitons in a boson-fermion mixture. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2005</b> , 38, 3607-3617                               | 1.3 | 19 |
| 236 | Chaotic oscillation in an attractive Bose-Einstein condensate under an impulsive force. <i>Physical Review A</i> , <b>2002</b> , 65,   | 2.6 | 19 |
| 235 | Coordinate-space Faddeev-Hahn-type approach to three-body charge-transfer reactions involving exotic particles. <i>Physical Review A</i> , <b>2000</b> , 61,   | 2.6 | 19 |
| 234 | Dipolar Bose-Einstein condensate soliton on a two-dimensional optical lattice. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2012</b> , 376, 2200-2205             | 2.3 | 18 |
| 233 | Free expansion of attractive and repulsive Bose-Einstein condensed vortex states. <i>Physical Review A</i> , <b>2002</b> , 65,   | 2.6 | 18 |
| 232 | Stable, mobile, dark-in-bright, dipolar Bose-Einstein-condensate solitons. <i>Physical Review A</i> , <b>2014</b> , 89,  | 2.6 | 17 |
| 231 | Localization of a Bose-Fermi mixture in a bichromatic optical lattice. <i>Physical Review A</i> , <b>2011</b> , 84,  | 2.6 | 17 |
| 230 | Superfluid Fermi-Fermi mixture: Phase diagram, stability, and soliton formation. <i>Physical Review A</i> , <b>2007</b> , 76,  | 2.6 | 17 |
| 229 | The Phillips and the Girard-Fuda plot for the trinucleon system. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1983</b> , 132, 257-259                | 4.2 | 17 |
| 228 | Spontaneous symmetry breaking in a spin-orbit-coupled $f=2$ spinor condensate. <i>Physical Review A</i> , <b>2015</b> , 91,  | 2.6 | 16 |

- 227 Anisotropic sound and shock waves in dipolar Bose-Einstein condensate. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2012**, 376, 480-483 2.3 16
- 226 Statics and dynamics of a self-bound matter-wave quantum ball. *Physical Review A*, **2017**, 95, 043601 2.6 16
- 225 BCS-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 1.3 16
- 224 Localization of collisionally inhomogeneous condensates in a bichromatic optical lattice. *Physical Review A*, **2011**, 83, 043601 2.6 16
- 223 Scaling in the BCS to Bose crossover problem in different partial waves. *Physical Review B*, **1997**, 55, 1110-1113 1.113 16
- 222 Josephson oscillation of a superfluid Fermi gas. *European Physical Journal D*, **2008**, 47, 413-419 1.3 16
- 221 Mean-field model of jet formation in a collapsing Bose-Einstein condensate. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2004**, 37, 1185-1194 1.3 16
- 220 Dynamics of collapsing and exploding Bose-Einstein condensate. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2002**, 296, 145-150 2.3 16
- 219 Loss of superfluidity in a Bose-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 2.3 16
- 218 Stability and collapse of a coupled Bose-Einstein condensate. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2001**, 281, 265-271 2.3 16
- 217 Four-body Efimov effect in a Born-Oppenheimer model. *Physical Review D*, **1981**, 24, 416-425 4.9 16
- 216 Separable expansion of the t-matrix in the 3S1-3D1 channel. *Nuclear Physics A*, **1975**, 251, 297-304 1.3 16
- 215 C and Fortran OpenMP programs for rotating Bose-Einstein condensates. *Computer Physics Communications*, **2019**, 240, 74-82 4.2 15
- 214 Two-dimensional dipolar Bose-Einstein condensate bright and vortex solitons on a one-dimensional optical lattice. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2012**, 45, 045301 1.3 15
- 213 Spatially-antisymmetric localization of matter wave in a bichromatic optical lattice. *Laser Physics Letters*, **2010**, 7, 824-830 1.5 15
- 212 Formation of bright solitons and soliton trains in a fermion-fermion mixture by modulational instability. *Journal of Physics A: Mathematical and Theoretical*, **2007**, 40, 2673-2687 2 15
- 211 Positron-helium scattering at medium energies. *Chemical Physics Letters*, **1996**, 262, 460-464 2.5 15
- 210 The effect of positronium formation in  $e^+Li$  and  $e^+Na$  scattering. *Chemical Physics Letters*, **1994**, 222, 302-308 2.5 15

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| 209 | Positron-helium scattering in the close coupling approach. <i>Chemical Physics Letters</i> , <b>1995</b> , 239, 344-348  | 2.5 | 15 |
| 208 | Robust Scaling in Fragmentation from $d = 1$ to 5. <i>Europhysics Letters</i> , <b>1992</b> , 18, 119-124  | 1.6 | 15 |
| 207 | Symmetry breaking in a localized interacting binary Bose-Einstein condensate in a bichromatic optical lattice. <i>Physical Review A</i> , <b>2010</b> , 81,                          | 2.6 | 14 |
| 206 | Close-coupling calculations of positronium formation in positron-helium scattering. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1998</b> , 31, 3057-3063 | 1.3 | 14 |
| 205 | Iterative solution of multichannel three-body equations. <i>Physical Review C</i> , <b>1980</b> , 22, 2359-2368  | 2.7 | 14 |
| 204 | Singularities in three-body final-state amplitudes. <i>Physical Review D</i> , <b>1974</b> , 9, 1467-1475  | 4.9 | 14 |
| 203 | Self-trapped quantum balls in binary Bose-Einstein condensates. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2019</b> , 52, 055302                        | 1.3 | 13 |
| 202 | Universal behavior of a trapped Fermi superfluid in the BCS-unitarity crossover. <i>Physical Review A</i> , <b>2009</b> , 79,  | 2.6 | 13 |
| 201 | Matter-wave localization in a weakly perturbed optical lattice. <i>Physical Review A</i> , <b>2011</b> , 84,   | 2.6 | 13 |
| 200 | Resonance in positron - helium scattering at medium energy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>1997</b> , 30, L81-L85                           | 1.3 | 13 |
| 199 | Josephson oscillation and induced collapse in an attractive Bose-Einstein condensate. <i>Physical Review A</i> , <b>2005</b> , 72,   | 2.6 | 13 |
| 198 | Phase transition from a $dx^2y^2$ to $dx^2y^2+idxy$ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , <b>1998</b> , 309, 251-256                            | 1.3 | 12 |
| 197 | Universal scaling in BCS superconductivity in three dimensions in non-s waves. <i>European Physical Journal B</i> , <b>1998</b> , 2, 31-36   | 1.2 | 12 |
| 196 | Stability and collapse of a hybrid Bose-Einstein condensate of atoms and molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2001</b> , 34, 4231-4241 | 1.3 | 12 |
| 195 | Dynamical calculation of direct muon-transfer rates from thermalized muonic hydrogen to $C6+$ and $O8+$ . <i>Physical Review A</i> , <b>2000</b> , 62,                               | 2.6 | 12 |
| 194 | Differential cross sections for elastic and inelastic positronium-hydrogen-atom scattering. <i>Physical Review A</i> , <b>2001</b> , 63,   | 2.6 | 12 |
| 193 | Three-body collapse for Tabakin potentials and the Thomas effect. <i>Physical Review C</i> , <b>1992</b> , 46, 471-476   | 2.7 | 12 |
| 192 | Unified formulation of variational approaches and separable expansions for the solution of scattering equations. <i>Physical Review C</i> , <b>1987</b> , 36, 1275-1285              | 2.7 | 12 |

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| 191 | Correlation among low-energy three-nucleon observables. <i>Physical Review C</i> , <b>1984</b> , 30, 31-34  | 2.7 | 12 |
| 190 | Statics and dynamics of a binary dipolar Bose-Einstein condensate soliton. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2014</b> , 47, 015302                          | 1.3 | 11 |
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