Sadhan Adhikari

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.

334 papers	5,801 citations	38 h-index	59 g-index
341 ext. papers	6,190 ext. citations	2.5 avg, IF	6.51 L-index

#	Paper	IF	Citations
334	Supersolid-like solitons in a spin-orbit-coupled spin-2 condensate. *Physical Review A*, **2022**, 105,	2.6	2
333	Supersolid-like square- and honeycomb-lattice crystallization of droplets in a dipolar condensate. *Physical Review A*, **2022**, 105,	2.6	1
332	Low-energy three-body collisions between an antiproton p and muonic hydrogen atom H *EPJ Web of Conferences*, **2022**, 262, 01023	0.3	
331	Vortex-lattice formation in a spin-orbit coupled rotating spin-1 condensate. *Journal of Physics Condensed Matter*, **2021**, 33, 065404	1.8	0
330	Deep inelastic collision of two-dimensional anisotropic dipolar condensate solitons. *Communications in Nonlinear Science and Numerical Simulation*, **2021**, 106, 106094	3.7	0
329	Supersolid-like states in a two-dimensional trapped spin-orbit-coupled spin-1 condensate. *Journal of Physics Condensed Matter*, **2021**, 33,	1.8	3
328	Spin-1 spin orbit- and Rabi-coupled Bose Einstein condensate solver. *Computer Physics Communications*, **2021**, 259, 107657	4.2	11
327	Solitons in a Spin-Orbit-Coupled Spin-1 Bose-Einstein Condensate. *Brazilian Journal of Physics*, **2021**, 51, 298-307	1.2	0
326	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	2.3	3
325	Multiring, stripe, and superlattice solitons in a spin-orbit-coupled spin-1 condensate. *Physical Review A*, **2021**, 103,	2.6	6
324	OpenMP solver for rotating spin-1 spin orbit- and Rabi-coupled Bose Einstein condensates. *Computer Physics Communications*, **2021**, 264, 107926	4.2	2
323	Symbiotic solitons in quasi-one- and quasi-two-dimensional spin-1 condensates. *Physical Review E*, **2021**, 104, 024207	2.4	1
322	Spatial order in a two-dimensional spin-orbit-coupled spin-1/2 condensate: superlattice, multi-ring and stripe formation. *Journal of Physics Condensed Matter*, **2021**, 33,	1.8	1
321	Stable multi-peak vector solitons in spin orbit coupled spin-1 polar condensates. *Physica E: Low-Dimensional Systems and Nanostructures*, **2020**, 118, 113892	3	5
320	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	2.3	
319	Phase-separated symmetry-breaking vortex-lattice in a binary Bose-Einstein condensate. *Physica E: Low-Dimensional Systems and Nanostructures*, **2020**, 115, 113713	3	1
318	Weak coupling to unitarity crossover in Bose-Fermi mixtures: Mixing-demixing transition and spontaneous symmetry breaking in trapped systems. *Physical Review A*, **2019**, 100,	2.6	5

317	Limitation of the Lee–Huang–Yang interaction in forming a self-bound state in Bose–Einstein condensates. *Annals of Physics*, **2019**, 409, 167917	2.5	5
316	Phase-separated vortex-lattice in a rotating binary Bose–Einstein condensate. *Communications in Nonlinear Science and Numerical Simulation*, **2019**, 71, 212-219	3.7	5
315	Self-trapped quantum balls in binary Bose–Einstein condensates. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2019**, 52, 055302	1.3	13
314	C and Fortran OpenMP programs for rotating Bose–Einstein condensates. *Computer Physics Communications*, **2019**, 240, 74-82	4.2	15
313	Vortex-lattice in a uniform Bose-Einstein condensate in a box trap. *Journal of Physics Condensed Matter*, **2019**, 31, 275401	1.8	3
312	Stable controllable giant vortex in a trapped Bose–Einstein condensate. *Laser Physics Letters*, **2019**, 16, 085501	1.5	4
311	Phase separation of vector solitons in spin-orbit-coupled spin-1 condensates. *Physical Review A*, **2019**, 100,	2.6	9
310	Three-dimensional vortex-bright solitons in a spin-orbit-coupled spin-1 condensate. *Physical Review A*, **2018**, 97,	2.6	31
309	Influence of the p□-p Nuclear Interaction on the Rate of the Low-Energy p□ + H□ -l (p. *Atoms*, **2018**, 6, 18	2.1	1
308	A self-bound matter-wave boson–fermion quantum ball. *Laser Physics Letters*, **2018**, 15, 095501	1.5	8
307	Vortex lattice in the crossover of a Bose gas from weak coupling to unitarity. *Scientific Reports*, **2018**, 8, 8825	4.9	9
306	Improved effective-range expansions for small and large values of scattering length. *European Journal of Physics*, **2018**, 39, 055403	0.8	2
305	Statics and dynamics of a self-bound dipolar matter-wave droplet. *Laser Physics Letters*, **2017**, 14, 025501	1.5	10
304	Vortex-bright solitons in a spin-orbit-coupled spin-1 condensate. *Physical Review A*, **2017**, 95,	2.6	55
303	Elastic collision and breather formation of spatiotemporal vortex light bullets in a cubic-quintic nonlinear medium. *Laser Physics Letters*, **2017**, 14, 065402	1.5	4
302	Statics and dynamics of a self-bound matter-wave quantum ball. *Physical Review A*, **2017**, 95,	2.6	16
301	OpenMP GNU and Intel Fortran programs for solving the time-dependent Gross–Pitaevskii equation. *Computer Physics Communications*, **2017**, 220, 503-506	4.2	24
300	Symmetry breaking, Josephson oscillation and self-trapping in a self-bound three-dimensional quantum ball. *Scientific Reports*, **2017**, 7, 16045	4.9	1

299	Fractional-charge vortex in a spinor Bose-Einstein condensate. *Physical Review A*, **2016**, 93,	2.6	8
298	Low temperature HD+ortho-/para-H2inelastic scattering of astrophysical interest. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2016**, 49, 015203	1.3	8
297	Stable and mobile two-dimensional dipolar ring-dark-in-bright BoseEinstein condensate soliton. *Laser Physics Letters*, **2016**, 13, 035502	1.5	4
296	CUDA programs for solving the time-dependent dipolar GrossPitaevskii equation in an anisotropic trap. *Computer Physics Communications*, **2016**, 200, 406-410	4.2	51
295	Hybrid OpenMP/MPI programs for solving the time-dependent GrossPitaevskii equation in a fully anisotropic trap. *Computer Physics Communications*, **2016**, 200, 411-417	4.2	57
294	Two-dimensional bright and dark-in-bright dipolar BoseEinstein condensate solitons on a one-dimensional optical lattice. *Laser Physics Letters*, **2016**, 13, 085501	1.5	4
293	OpenMP Fortran and C programs for solving the time-dependent GrossPitaevskii equation in an anisotropic trap. *Computer Physics Communications*, **2016**, 204, 209-213	4.2	48
292	OpenMP, OpenMP/MPI, and CUDA/MPI C programs for solving the time-dependent dipolar GrossPitaevskii equation. *Computer Physics Communications*, **2016**, 209, 190-196	4.2	31
291	Elastic collision and molecule formation of spatiotemporal light bullets in a cubic-quintic nonlinear medium. *Physical Review E*, **2016**, 94, 032217	2.4	11
290	Spontaneous symmetry breaking in a spin-orbit-coupled f=2 spinor condensate. *Physical Review A*, **2015**, 91,	2.6	16
289	Fortran and C programs for the time-dependent dipolar GrossPitaevskii equation in an anisotropic trap. *Computer Physics Communications*, **2015**, 195, 117-128	4.2	79
288	Mobile vector soliton in a spinorbit coupled spin-1 condensate. *Laser Physics Letters*, **2015**, 12, 045501	1.5	35
287	Stable matter-wave solitons in the vortex core of a uniform condensate. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2015**, 48, 165303	1.3	1
286	Analytic models for the density of a ground-state spinor condensate. *Physical Review A*, **2015**, 92,	2.6	19
285	Vector solitons in a spin-orbit-coupled spin-2 Bose-Einstein condensate. *Physical Review A*, **2015**, 91,	2.6	30
284	Stable spatial and spatiotemporal optical soliton in the core of an optical vortex. *Physical Review E*, **2015**, 92, 042926	2.4	9
283	Three-Body Protonium Formation in a Collision Between a Slow Antiproton (({bar{rm p}})) and Muonic Hydrogen: ({{rm H}_{mu}})Low Energy ({bar{rm p} + ({rm p} mu^-)_{1s} rightarrow (bar{rm p} {rm p})_{1s} + mu^-}) Reaction. *Few-Body Systems*, **2015**, 56, 793-800	1.6	2
282	Dimensional Reduction and Localization of a Bose-Einstein Condensate in a Quasi-1D Bichromatic Optical Lattice. *Acta Physica Polonica A*, **2015**, 128, 979-982	0.6	3

281	Statics and dynamics of a binary dipolar Bose–Einstein condensate soliton. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2014**, 47, 015302	1.3	11
280	Localization of a spin-orbit-coupled Bose-Einstein condensate in a bichromatic optical lattice. *Physical Review A*, **2014**, 89,	2.6	39
279	Stable, mobile, dark-in-bright, dipolar Bose-Einstein-condensate solitons. *Physical Review A*, **2014**, 89,	2.6	17
278	Demixing and symmetry breaking in binary dipolar Bose-Einstein-condensate solitons. *Physical Review A*, **2014**, 89,	2.6	10
277	Phase separation in a spin-orbit-coupled Bose-Einstein condensate. *Physical Review A*, **2014**, 90,	2.6	32
276	Self-trapping of a dipolar Bose-Einstein condensate in a double well. *Physical Review A*, **2014**, 89,	2.6	11
275	Bright dipolar Bose-Einstein-condensate soliton mobile in a direction perpendicular to polarization. *Physical Review A*, **2014**, 90,	2.6	5
274	Stable and mobile excited two-dimensional dipolar Bose–Einstein condensate solitons. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2014**, 47, 225304	1.3	4
273	Dipolar droplet bound in a trapped Bose-Einstein condensate. *Physical Review A*, **2013**, 87,	2.6	10
272	Stability of trapped degenerate dipolar Bose and Fermi gases. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2013**, 46, 115301	1.3	5
271	Stability and collapse of fermions in a binary dipolar boson-fermion 164Dy-161Dy mixture. *Physical Review A*, **2013**, 88,	2.6	7
270	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
269	Numerical and variational solutions of the dipolar Gross-Pitaevskii equation in reduced dimensions. *Laser Physics*, **2012**, 22, 813-820	1.2	32
268	Dipolar Bose–Einstein condensate soliton on a two-dimensional optical lattice. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2012**, 376, 2200-2205	2.3	18
267	C programs for solving the time-dependent Gross–Pitaevskii equation in a fully anisotropic trap. *Computer Physics Communications*, **2012**, 183, 2021-2025	4.2	152
266	Ultracold collisions between two light indistinguishable diatomic molecules: Elastic and rotational energy transfer in HD+HD. *Physical Review A*, **2012**, 85,	2.6	1
265	Dipolar Bose-Einstein condensate in a ring or in a shell. *Physical Review A*, **2012**, 85,	2.6	20
264	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

263	Study of a degenerate dipolar Fermi gas of161Dy atoms. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2012**, 45, 235303	1.3	3
262	Mixing, demixing, and structure formation in a binary dipolar Bose-Einstein condensate. *Physical Review A*, **2012**, 86,	2.6	22
261	Dipolar Bose-Einstein condensates with large scattering length. *Physical Review A*, **2012**, 85,	2.6	4
260	A comparative study of the low energy HD+o-/p-H2 rotational excitation/de-excitation collisions and elastic scattering. *AIP Advances*, **2012**, 2, 012181	1.5	7
259	Localization of a Bose-Fermi mixture in a bichromatic optical lattice. *Physical Review A*, **2011**, 84,	2.6	17
258	Self-trapping of a binary Bose Einstein condensate induced by interspecies interaction. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2011**, 44, 075301	1.3	10
257	Dynamics of quasi-one-dimensional bright and vortex solitons of a dipolar Bose Einstein condensate with repulsive atomic interaction. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2011**, 44, 101001	1.3	33
256	Matter-wave localization in a weakly perturbed optical lattice. *Physical Review A*, **2011**, 84,	2.6	13
255	Localization of collisionally inhomogeneous condensates in a bichromatic optical lattice. *Physical Review A*, **2011**, 83,	2.6	16
254	Gap solitons in a dipolar Bose Einstein condensate on a three-dimensional optical lattice. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2011**, 44, 121001	1.3	22
253	Spontaneous symmetry breaking of Bose-Fermi mixtures in double-well potentials. *Physical Review A*, **2010**, 81,	2.6	45
252	Localization of a Bose-Einstein-condensate vortex in a bichromatic optical lattice. *Physical Review A*, **2010**, 81,	2.6	28
251	Symmetry breaking in a localized interacting binary Bose-Einstein condensate in a bichromatic optical lattice. *Physical Review A*, **2010**, 81,	2.6	14
250	Quenching of para-H2 with an ultracold antihydrogen atom H 1s. *Physical Review A*, **2010**, 81,	2.6	3
249	Localization of a dipolar Bose Einstein condensate in a bichromatic optical lattice. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2010**, 43, 205305	1.3	22
248	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
247	Matter-wave localization in a random potential. *Physical Review A*, **2010**, 82,	2.6	21
246	Dimensional reduction of a binary Bose-Einstein condensate in mixed dimensions. *Physical Review A* , **2010**, 82,	2.6	19

245	Spatially-antisymmetric localization of matter wave in a bichromatic optical lattice. *Laser Physics Letters*, **2010**, 7, 824-830	1.5	15
244	Effective nonlinear Schrödinger equations for cigar-shaped and disc-shaped Fermi superfluids at unitarity. *New Journal of Physics*, **2009**, 11, 023011	2.9	39
243	Mean-field equations for cigar- and disc-shaped Bose and Fermi superfluids. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2009**, 42, 215306	1.3	20
242	Universal scaling in a trapped Fermi super-fluid in the BCS-unitarity crossover. *Laser Physics Letters*, **2009**, 6, 901-905	1.5	23
241	Gap solitons in fermion superfluids. *Mathematics and Computers in Simulation*, **2009**, 80, 648-659	3.3	2
240	Fortran programs for the time-dependent Gross–Pitaevskii equation in a fully anisotropic trap. *Computer Physics Communications*, **2009**, 180, 1888-1912	4.2	284
239	Positronium interaction and its Bose-Einstein condensation. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2009**, 6, 2272-2276		4
238	Gap solitons in a model of a superfluid fermion gas in optical lattices. *Physica D: Nonlinear Phenomena*, **2009**, 238, 1402-1412	3.3	32
237	Universal behavior of a trapped Fermi superfluid in the BCS-unitarity crossover. *Physical Review A*, **2009**, 79,	2.6	13
236	Self-trapping of a Fermi superfluid in a double-well potential in the Bose-Einstein-condensate–unitarity crossover. *Physical Review A*, **2009**, 80,	2.6	52
235	Two-component gap solitons with linear interconversion. *Physical Review A*, **2009**, 79,	2.6	27
234	Localization of a Bose-Einstein condensate in a bichromatic optical lattice. *Physical Review A*, **2009**, 80,	2.6	47
233	Superfluid Bose-Fermi mixture from weak coupling to unitarity. *Physical Review A*, **2008**, 78,	2.6	90
232	Symbiotic gap and semigap solitons in Bose-Einstein condensates. *Physical Review A*, **2008**, 77,	2.6	26
231	Semiclassical scattering in two dimensions. *American Journal of Physics*, **2008**, 76, 1108-1113	0.7	6
230	Nonlinear Schrödinger equation for a superfluid Bose gas from weak coupling to unitarity: Study of vortices. *Physical Review A*, **2008**, 77,	2.6	43
229	Nonlinear Schrödinger equation for a superfluid Fermi gas in the BCS-BEC crossover. *Physical Review A*, **2008**, 77,	2.6	63
228	Josephson oscillation of a superfluid Fermi gas. *European Physical Journal D*, **2008**, 47, 413-419	1.3	16

227	Gap solitons in superfluid boson-fermion mixtures. *Physical Review A*, **2007**, 76,	2.6	27
226	The BCS□Bose crossover theory. *Physica C: Superconductivity and Its Applications*, **2007**, 453, 37-45	1.3	30
225	Finite-well potential in the 3D nonlinear Schr□dinger equation: application to Bose-Einstein condensation. *European Physical Journal D*, **2007**, 42, 279-286	1.3	1
224	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
223	Tightly bound gap solitons in a Fermi gas. *Europhysics Letters*, **2007**, 79, 50003	1.6	43
222	Mixing-demixing transition and collapse of a vortex state in a quasi-two-dimensional boson-fermion mixture. *Physical Review A*, **2007**, 75,	2.6	19
221	One-dimensional superfluid Bose-Fermi mixture: Mixing, demixing, and bright solitons. *Physical Review A*, **2007**, 76,	2.6	34
220	Superfluid Fermi-Fermi mixture: Phase diagram, stability, and soliton formation. *Physical Review A*, **2007**, 76,	2.6	17
219	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,	2.6	29
218	Dissipation-managed soliton in a quasi-one-dimensional Bose-Einstein condensate. *Laser Physics Letters*, **2006**, 3, 553-557	1.5	9
217	Black soliton in a quasi-one-dimensional trapped fermion-fermion mixture. *Laser Physics Letters*, **2006**, 3, 605-611	1.5	9
216	Dynamical collapse in a degenerate binary fermion mixture using a hydrodynamic model. *New Journal of Physics*, **2006**, 8, 258-258	2.9	11
215	Miscibility in a degenerate fermionic mixture induced by linear coupling. *Physical Review A*, **2006**, 74,	2.6	19
214	Mixing-demixing in a trapped degenerate fermion-fermion mixture. *Physical Review A*, **2006**, 73,	2.6	21
213	Bright solitons and soliton trains in a fermion-fermion mixture. *European Physical Journal D*, **2006**, 40, 157-160	1.3	10
212	Simulation of a Stationary Dark Soliton in a Trapped Zero-Temperature Bose-Einstein Condensate. *Journal of Low Temperature Physics*, **2006**, 143, 267-281	1.3	7
211	Variational Principles for On-Shell Amplitudes **2005**, 99-158		
210	Variational Principles for Off-Shell Amplitudes **2005**, 159-223		

209	Variational Methods for Realistic Problems **2005**, 225-254		
208	Numerical Studies **2005**, 255-307		
207	Scattering Theory **2005**, 1-60		
206	Bright solitons in coupled defocusing NLS equation supported by coupling: Application to Bose–Einstein condensation. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2005**, 346, 179-185	2.3	88
205	Free expansion of fermionic dark solitons in a boson–fermion mixture. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2005**, 38, 3607-3617	1.3	19
204	Bound states of attractive Bose–Einstein condensates in shallow traps in two and three dimensions. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2005**, 38, 579-591	1.3	11
203	Josephson oscillation and induced collapse in an attractive Bose-Einstein condensate. *Physical Review A*, **2005**, 72,	2.6	13
202	Evolution of a collapsing and exploding Bose-Einstein condensate in different trap symmetries. *Physical Review A*, **2005**, 71,	2.6	9
201	Fermionic bright soliton in a boson-fermion mixture. *Physical Review A*, **2005**, 72,	2.6	66
200	Stabilization of a (3+1)-dimensional soliton in a Kerr medium by a rapidly oscillating dispersion coefficient. *Physical Review E*, **2005**, 71, 016611	2.4	29
199	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
198	Mean-field description of a dynamical collapse of a fermionic condensate in a trapped boson-fermion mixture. *Physical Review A*, **2004**, 70,	2.6	55
197	Stabilization of a light bullet in a layered Kerr medium with sign-changing nonlinearity. *Physical Review E*, **2004**, 70, 036608	2.4	21
196	Bright Vortex Solitons in Bose Condensates. *Few-Body Systems*, **2004**, 34, 197	1.6	4
195	Matter-wave interference, Josephson oscillation and its disruption in a Bose-Einstein condensate on an optical lattice. *Nuclear Physics A*, **2004**, 737, 289-293	1.3	3
194	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,	2.6	100
193	Bose–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	1.3	104
192	The critical number of atoms in an attractive Bose–Einstein condensate on optical plus harmonic traps. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2003**, 36, 2943-2949	1.3	6

191	Resonance in Bose Einstein condensate oscillation from a periodic variation in scattering length. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2003**, 36, 1109-1120	1.3	27
190	Expansion of a Bose 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	1.3	9
189	Dynamical classical superfluid insulator transition in a Bose Einstein condensate on an optical lattice. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2003**, 36, 2725-2731	1.3	6
188	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
187	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
186	Mean-field model for the interference of matter waves from a three-dimensional optical trap. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2003**, 310, 229-235	2.3	19
185	Loss of superfluidity in a Bose Einstein condensate via forced resonant oscillations. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2003**, 313, 211-217	2.3	11
184	Mean-field model of interaction between bright vortex solitons in Bose Einstein condensates. *New Journal of Physics*, **2003**, 5, 137-137	2.9	41
183	Positronium scattering by atoms and molecules at low energies. *Nuclear Instruments & Methods in Physics Research B*, **2002**, 192, 74-82	1.2	5
182	Mixing of dx2 2 and dxy superconducting states for different filling and temperature. *Physica C: Superconductivity and Its Applications*, **2002**, 370, 146-156	1.3	3
181	Positronium positronium interaction: resonance, scattering length, and Bose Einstein condensation. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2002**, 294, 308-313	2.3	22
180	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	2.3	2
179	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
178	Effect of an impulsive force on vortices in a rotating Bose Einstein condensate. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2002**, 301, 333-339	2.3	9
177	Chaotic oscillation in an attractive Bose-Einstein condensate under an impulsive force. *Physical Review A*, **2002**, 65,	2.6	19
176	Free expansion of attractive and repulsive Bose-Einstein condensed vortex states. *Physical Review A*, **2002**, 65,	2.6	18
175	Dynamics of a collapsing and exploding Bose-Einstein condensed vortex state. *Physical Review A*, **2002**, 66,	2.6	23
174	Mean-field description of collapsing and exploding Bose-Einstein condensates. *Physical Review A*, **2002**, 66,	2.6	48

173	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	1.3	9
172	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	1.3	113
171	Collapse of attractive Bose-Einstein condensed vortex states in a cylindrical trap. *Physical Review E*, **2002**, 65, 016703	2.4	53
170	Low-energy three-body atomic collision within a coordinate-space integro-differential equation approach: Muon-transfer reaction. *Nuclear Physics A*, **2001**, 684, 690-692	1.3	2
169	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
168	Resonances in positronium□ubidium and positronium□esium scattering. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2001**, 283, 224-228	2.3	5
167	Linear to quadratic crossover of Cooper-pair dispersion relation. *Physica C: Superconductivity and Its Applications*, **2001**, 351, 341-348	1.3	22
166	Mixing of superconducting dx2□2 state with s-wave states for different filling and temperature. *Physica C: Superconductivity and Its Applications*, **2001**, 355, 77-86	1.3	6
165	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	1.3	12
164	Convergent variational calculation of positronium-hydrogen-atom scattering lengths. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2001**, 34, L187-L194	1.3	20
163	S-, P- and D-wave resonances in positronium-sodium and positronium-potassium scattering. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2001**, 34, 1361-1367	1.3	8
162	Comment on □ime-reversal symmetry-breaking superconductivity□*Physical Review B*, **2001**, 63,	3.3	4
161	Coupled Bose-Einstein condensate: Collapse for attractive interaction. *Physical Review A*, **2001**, 63,	2.6	43
160	Numerical study of the coupled time-dependent Gross-Pitaevskii equation: application to Bose-Einstein condensation. *Physical Review E*, **2001**, 63, 056704	2.4	22
159	Differential cross sections for elastic and inelastic positronium□ydrogen-atom scattering. *Physical Review A*, **2001**, 63,	2.6	12
158	Variational calculation of positronium-helium-atom scattering length. *Physical Review A*, **2001**, 64,	2.6	10
157	Integral equations of scattering in one dimension. *American Journal of Physics*, **2001**, 69, 1010-1013	0.7	27
156	Scattering of positronium by H, He, Ne, and Ar. *Chemical Physics Letters*, **2000**, 317, 129-134	2.5	39

155	Cooper pair dispersion relation in two dimensions. *Physica C: Superconductivity and Its Applications*, **2000**, 341-348, 151-152	1.3	1
154	Numerical solution of the two-dimensional Gross–Pitaevskii equation for trapped interacting atoms. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2000**, 265, 91-96	2.3	60
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