

# Ju-Kui Xue

## List of Publications by Year in descending order

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100  
papers

1,337  
citations

331538

21  
h-index

377752

34  
g-index

100  
all docs

100  
docs citations

100  
times ranked

518  
citing authors

#	ARTICLE	IF	CITATIONS
1	Head-on collision of dust-acoustic solitary waves. <i>Physical Review E</i> , 2004, 69, 016403.	0.8	125
2	Cylindrical and spherical dust-ion acoustic shock waves. <i>Physics of Plasmas</i> , 2003, 10, 4893-4896.	0.7	100
3	A spherical KP equation for dust acoustic waves. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 314, 479-483.	0.9	97
4	Cylindrical dust acoustic waves with transverse perturbation. <i>Physics of Plasmas</i> , 2003, 10, 3430-3431.	0.7	81
5	Superfluid Fermi Gas in Optical Lattices: Self-Trapping, Stable, Moving Solitons and Breathers. <i>Physical Review Letters</i> , 2008, 101, 180401.	2.9	49
6	Band structure and stability of Bose-Einstein condensates in optical lattices with two- and three-atom interactions. <i>Physical Review A</i> , 2007, 75, .	1.0	45
7	Cylindrical and spherical ion-acoustic solitary waves with dissipative effect. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 322, 225-230.	0.9	44
8	Modulation of dust acoustic waves with non-adiabatic dust charge fluctuations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 320, 226-233.	0.9	39
9	Collective excitations of a Bose-Einstein condensate in an anharmonic trap. <i>Physical Review A</i> , 2006, 74, .	1.0	37
10	An extended active control for chaos synchronization. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 1449-1454.	0.9	37
11	Self-trapping of Bose-Einstein condensates in optical lattices: The effect of the lattice dimension. <i>Physical Review A</i> , 2008, 77, .	1.0	33
12	Non-linear waves in complex plasma. <i>Chaos, Solitons and Fractals</i> , 2007, 32, 592-597.	2.5	32
13	Modulational instability of multi-dimensional dust ion-acoustic waves. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 330, 390-395.	0.9	31
14	Nonplanar dust-ion acoustic shock waves with transverse perturbation. <i>Physics of Plasmas</i> , 2005, 12, 012314.	0.7	27
15	Propagation of nonplanar dust-acoustic envelope solitary waves in a two-ion-temperature dusty plasma. <i>Physics of Plasmas</i> , 2004, 11, 1860-1865.	0.7	26
16	Modulation of magnetized multidimensional waves in dusty plasma. <i>Physics of Plasmas</i> , 2005, 12, 062313.	0.7	24
17	Nonthermal electrons and warm ions effects on oblique modulation of ion-acoustic waves. <i>Physics of Plasmas</i> , 2004, 11, 3939-3944.	0.7	23
18	Stability of oblique modulation of dust-acoustic waves in a warm dusty plasma with dust charge variation. <i>Physics of Plasmas</i> , 2003, 10, 3800-3803.	0.7	22

#	ARTICLE	IF	CITATIONS
19	Modulational instability of the trapped Bose-Einstein condensates. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 341, 527-531.	0.9	21
20	Coherent matter waves of a dipolar condensate in two-dimensional optical lattices. Physical Review A, 2010, 82, .	1.0	21
21	Selective coherent spin transportation in a spin-orbit-coupled bosonic junction. Physical Review A, 2014, 90, .	1.0	21
22	Sound waves and dynamics of superfluid Fermi gases in optical lattices. Physical Review A, 2009, 80, .	1.0	19
23	Nonlinear interaction of intense laser pulses and an inhomogeneous electron-positron-ion plasma. Physical Review E, 2013, 87, 025101.	0.8	19
24	Modulational instability of a modified Gross-Pitaevskii equation with higher-order nonlinearity. Physical Review E, 2012, 86, 017601.	0.8	17
25	Head-on collision of the blood solitary waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 331, 409-413.	0.9	16
26	Nonlinear mode coupling and resonant excitations in two-component Bose-Einstein condensates. Physical Review E, 2008, 77, 016606.	0.8	16
27	Collective dynamics of a spin-orbit-coupled Bose-Einstein condensate. Physical Review E, 2016, 93, 022214.	0.8	15
28	Solitons in spin-orbit-coupled spin-2 spinor Bose-Einstein condensates. Physical Review E, 2019, 99, 062220.	0.8	15
29	The nonlinear evolution of ring dark solitons in Bose-Einstein condensates. Journal of Physics A, 2004, 37, 11223-11228.	1.6	14
30	Spin-orbit-coupling stabilization of a collapsing binary Bose-Einstein condensate. Physical Review A, 2017, 95, .	1.0	14
31	Modulational instability of Bose-Einstein condensates with helicoidal spin-orbit coupling. Physical Review E, 2019, 100, 032220.	0.8	14
32	Multidimensional nonlinear dust acoustic shock waves in nonuniform magnetized dusty plasmas with nonadiabatic dust charge fluctuation. Physics of Plasmas, 2008, 15, .	0.7	11
33	Discrete breather and its stability in a general discrete nonlinear Schrödinger equation with disorder. Physical Review E, 2012, 86, 066605.	0.8	11
34	Stationary and moving solitons in spin-orbit-coupled spin-1 Bose-Einstein condensates. Frontiers of Physics, 2018, 13, 1.	2.4	11
35	Non-Hermitian spectrum and multistability in exciton-polariton condensates. Physical Review B, 2021, 104, .	1.1	11
36	Moving Matter-Wave Solitons in Spin-Orbit Coupled Bose-Einstein Condensates. Chinese Physics Letters, 2016, 33, 100502.	1.3	10

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37	Quantum phases of interacting bosons on biased two-leg ladders with magnetic flux. Physical Review A, 2021, 104, .	1.0	10
38	Nonlinear waves in nonplanar and nonuniform dusty plasmas. Physics of Plasmas, 2006, 13, 022104.	0.7	9
39	The dynamics and stabilities of Bose-Einstein condensates in deep optical lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1147-1154.	0.9	9
40	Faraday instability and Faraday patterns in a superfluid Fermi gas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 115303.	0.6	8
41	Two-component Bose-Einstein condensates in $D$ -dimensional optical lattices. Physical Review A, 2010, 81, .	1.0	7
42	Dipolar-induced interplay between inter-level physics and macroscopic phase transitions in triple-well potentials. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 145305.	0.6	7
43	Focusing effect of radially power-law channel on an intense laser beam. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1037-1043.	0.9	7
44	Interaction of ring dark solitons with ring impurities in Bose-Einstein condensates. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 671-681.	0.6	6
45	Collisional phase shifts of ring dark solitons in inhomogeneous Bose-Einstein condensates. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 365, 458-462.	0.9	6
46	Dynamics and phase transitions in biased ladder systems with magnetic flux. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 3095-3100.	0.9	6
47	Solitary matter wave in spin-orbit-coupled Bose-Einstein condensates with helicoidal gauge potential. Physical Review E, 2021, 104, 034214.	0.8	6
48	A cylindrical Davey-Stewartson equation for a modulated cylindrical wave packet. Physics of Plasmas, 2005, 12, 092107.	0.7	5
49	Bloch band and Bloch waves of superfluid Fermi gases in optical lattices. Physical Review A, 2010, 81, .	1.0	5
50	The characteristics of an intense laser beam propagating in a corrugated plasma channel. Physics of Plasmas, 2016, 23, 123117.	0.7	5
51	Tunnelling of spin-orbit coupled Bose-Einstein condensates in driven double-well potential. European Physical Journal D, 2016, 70, 1.	0.6	5
52	Stability and superfluidity of the Bose-Einstein condensate in a two-leg ladder with magnetic field. Physical Review E, 2021, 104, 024212.	0.8	5
53	Tunneling dynamics of superfluid Fermi gases in an accelerating optical lattice. Physical Review A, 2010, 82, .	1.0	4
54	Superfluid Fermi Gases in a Rotating Anharmonic Trap. Communications in Theoretical Physics, 2011, 55, 434-440.	1.1	4

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55	Dynamics of a nonlocal discrete Gross-Pitaevskii equation with defects. <i>Physical Review E</i> , 2013, 87, 053201.	0.8	4
56	A filter or oscillator by a simple density hump for an intense laser propagating in a preformed plasma channel. <i>Physics of Plasmas</i> , 2019, 26, 043106.	0.7	4
57	Chiral matter-wave soliton in a Bose-Einstein condensate under density-dependent gauge potential. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 446, 128283.	0.9	4
58	Comment on “Stable and unstable vector dark solitons of coupled nonlinear Schrödinger equation: Application to two-component Bose-Einstein condensates. <i>Physical Review E</i> , 2006, 73, 028601.	0.8	3
59	Transfer of dipolar gas through the discrete localized mode. <i>Physical Review E</i> , 2013, 88, 062916.	0.8	3
60	Subdiffusion of Dipolar Gas in One-Dimensional Quasiperiodic Potentials. <i>Chinese Physics Letters</i> , 2015, 32, 010302.	1.3	3
61	Tunneling dynamics of a few bosons with both two- and three-body interactions in a double-well potential. <i>Chinese Physics B</i> , 2017, 26, 115202.	0.7	3
62	The phase diagram and stability of trapped D-dimensional spin-orbit coupled Bose-Einstein condensate. <i>Scientific Reports</i> , 2017, 7, 15635.	1.6	3
63	Spin-orbit-coupling-induced anharmonic collective modes in a Bose-Einstein condensate. <i>Europhysics Letters</i> , 2018, 121, 20003.	0.7	3
64	Energetic and dynamical instability of spin-orbit coupled Bose-Einstein condensate in a deep optical lattice. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 1231-1237.	0.9	3
65	Manipulation and generation of the spatially ultra-compact and high quality THz beam. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	3
66	Dynamics of Bose-Einstein condensate in driven tilted optical lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 196-201.	0.9	3
67	Ground-state phase and superfluidity of tunable spin-orbit-coupled Bose-Einstein condensates. <i>Physical Review E</i> , 2021, 103, 022204.	0.8	3
68	Chaotic synchronization by replacing nonlinear terms with signals. <i>Chaos, Solitons and Fractals</i> , 2006, 28, 228-235.	2.5	2
69	Bose-Einstein condensates in a ring optical lattices trap. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 358, 74-79.	0.9	2
70	Coherent spin-mixing and wave packets dynamics of spin-1 condensates in optical lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 1401-1406.	0.9	2
71	Impurity-induced localization of Bose-Einstein condensates in one-dimensional optical lattices. <i>Chinese Physics B</i> , 2011, 20, 080308.	0.7	2
72	Coherent Destruction of Tunneling of Bosons with Effective Three-Body Interactions. <i>Communications in Theoretical Physics</i> , 2015, 63, 695-700.	1.1	2

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73	Periodically modulated interaction effect on transport of Bose-Einstein condensates in lattice with local defects. Chinese Physics B, 2019, 28, 010307.	0.7	2
74	Spin Mixing Dynamics in a Spin-Orbit Coupled Bose-Einstein Condensate. Journal of Low Temperature Physics, 2019, 195, 450-459.	0.6	2
75	Modulation of the Amplitude and Spatial Structure of the Plasma Wakefield With Super-Gaussian Chirped Laser Pulse. IEEE Transactions on Plasma Science, 2020, 48, 894-901.	0.6	2
76	Effects of channel alternating corrugation on a laser beam propagation in plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126267.	0.9	2
77	Quench dynamics of two-leg ladders with magnetic flux. Physica A: Statistical Mechanics and Its Applications, 2021, 576, 126062.	1.2	2
78	Magnetic-induced conversion between electric quadrupole radiation and quasi dipole radiation at THz band. New Journal of Physics, 0, , .	1.2	2
79	Stability and quantum escape dynamics of spin-orbit-coupled Bose-Einstein condensates in the shallow trap. Physical Review E, 2020, 102, 032220.	0.8	2
80	Bose-Einstein Condensates in Optical Lattices with Higher-Order Interactions. Communications in Theoretical Physics, 2012, 57, 595-602.	1.1	1
81	Breathing dynamics of a trapped impurity in a dipolar Bose gas. Modern Physics Letters B, 2014, 28, 1450185.	1.0	1
82	Electromagnetic envelope solitons in ultrarelativistic inhomogeneous electron-positron-ion plasma. Physics of Plasmas, 2014, 21, 082105.	0.7	1
83	Transport of spin-orbit coupled Bose-Einstein condensates in lattice with defects. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2272-2277.	0.9	1
84	Spin mixing dynamics in a spin-orbit coupled spin-1 Bose-Einstein condensate. Modern Physics Letters B, 2018, 32, 1850404.	1.0	1
85	The ground state and the tunnelling dynamics of the Bose-Einstein condensate in a tilted shallow trap. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126126.	0.9	1
86	Propagation dynamics of an azimuthally polarized Bessel-Gauss laser beam in a parabolic plasma channel. Physics of Plasmas, 2020, 27, 113103.	0.7	1
87	Generation and modulation of terahertz gradient force in the interactions of two-color laser pulses with magnetized plasmas. Journal of Applied Physics, 2020, 127, 063302.	1.1	1
88	Localization and spin dynamics of spin-orbit-coupled Bose-Einstein condensates in deep optical lattices. Physical Review E, 2021, 104, 064215.	0.8	1
89	Self-trapping and Macroscopic Tunnelling of Superfluid Fermi Gases in Multi-well Potentials. Communications in Theoretical Physics, 2012, 58, 34-38.	1.1	0
90	Dynamics of Dark Solitons in Superfluid Fermi Gases. Chinese Physics Letters, 2013, 30, 110305.	1.3	0

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91	Coherent Destruction of Tunneling of Dipolar Bosonic Gas. Chinese Physics Letters, 2014, 31, 010303.	1.3	0
92	Selective Tunneling Dynamics of Bosons with Effective Three-Particle Interactions. Chinese Physics Letters, 2014, 31, 100301.	1.3	0
93	Tunneling Dynamics of Dipolar Bosonic System with Periodically Modulated s -wave Scattering. Communications in Theoretical Physics, 2014, 61, 565-570.	1.1	0
94	Energy Band and Josephson Dynamics of Spin-Orbit Coupled Bose-Einstein Condensates. Communications in Theoretical Physics, 2015, 64, 395-400.	1.1	0
95	Dynamics of laser beams in inhomogeneous electron-positron-ion plasmas. Chinese Physics B, 2015, 24, 075201.	0.7	0
96	The Coherence of a Dipolar Condensate in a Harmonic Potential Superimposed to a Deep Lattice. Chinese Physics Letters, 2015, 32, 060304.	1.3	0
97	Ladder climbing and autoresonant acceleration of the spherical plasma density wave. New Journal of Physics, 2019, 21, 063021.	1.2	0
98	Propagation dynamics of relativistic electromagnetic solitary wave as well as modulational instability in plasmas*. Chinese Physics B, 2021, 30, 015201.	0.7	0
99	Dynamical stability of dipolar condensate in a parametrically modulated one-dimensional optical lattice*. Chinese Physics B, 2021, 30, 060307.	0.7	0
100	Propagation characteristics of relativistic ultrashort laser pulse in inhomogeneous plasma. AIP Advances, 2022, 12, 055003.	0.6	0