

# Ju-Kui Xue

## List of Publications by Year in descending order

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100  
papers

1,337  
citations

377584

21  
h-index

425179

34  
g-index

100  
all docs

100  
docs citations

100  
times ranked

562  
citing authors

#	ARTICLE	IF	CITATIONS
1	Propagation characteristics of relativistic ultrashort laser pulse in inhomogeneous plasma. AIP Advances, 2022, 12, 055003.	0.6	0
2	Chiral matter-wave soliton in a Bose-Einstein condensate under density-dependent gauge potential. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 446, 128283.	0.9	4
3	Propagation dynamics of relativistic electromagnetic solitary wave as well as modulational instability in plasmas*. Chinese Physics B, 2021, 30, 015201.	0.7	0
4	Ground-state phase and superfluidity of tunable spin-orbit-coupled Bose-Einstein condensates. Physical Review E, 2021, 103, 022204.	0.8	3
5	Dynamical stability of dipolar condensate in a parametrically modulated one-dimensional optical lattice*. Chinese Physics B, 2021, 30, 060307.	0.7	0
6	Quench dynamics of two-leg ladders with magnetic flux. Physica A: Statistical Mechanics and Its Applications, 2021, 576, 126062.	1.2	2
7	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
8	Solitary matter wave in spin-orbit-coupled Bose-Einstein condensates with helicoidal gauge potential. Physical Review E, 2021, 104, 034214.	0.8	6
9	Quantum phases of interacting bosons on biased two-leg ladders with magnetic flux. Physical Review A, 2021, 104, .	1.0	10
10	Localization and spin dynamics of spin-orbit-coupled Bose-Einstein condensates in deep optical lattices. Physical Review E, 2021, 104, 064215.	0.8	1
11	Non-Hermitian spectrum and multistability in exciton-polariton condensates. Physical Review B, 2021, 104, .	1.1	11
12	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
13	Propagation dynamics of an azimuthally polarized Bessel-Gauss laser beam in a parabolic plasma channel. Physics of Plasmas, 2020, 27, 113103.	0.7	1
14	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
15	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
16	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
17	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
18	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

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19	Ladder climbing and autoresonant acceleration of the spherical plasma density wave. <i>New Journal of Physics</i> , 2019, 21, 063021.	1.2	0
20	Modulational instability of Bose-Einstein condensates with helicoidal spin-orbit coupling. <i>Physical Review E</i> , 2019, 100, 032220.	0.8	14
21	Solitons in spin-orbit-coupled spin-2 spinor Bose-Einstein condensates. <i>Physical Review E</i> , 2019, 99, 062220.	0.8	15
22	Periodically modulated interaction effect on transport of Bose-Einstein condensates in lattice with local defects. <i>Chinese Physics B</i> , 2019, 28, 010307.	0.7	2
23	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
24	Spin Mixing Dynamics in a Spin-Orbit Coupled Bose-Einstein Condensate. <i>Journal of Low Temperature Physics</i> , 2019, 195, 450-459.	0.6	2
25	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
26	Spin-orbit-coupling-induced anharmonic collective modes in a Bose-Einstein condensate. <i>Europhysics Letters</i> , 2018, 121, 20003.	0.7	3
27	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
28	Stationary and moving solitons in spin-orbit-coupled spin-1 Bose-Einstein condensates. <i>Frontiers of Physics</i> , 2018, 13, 1.	2.4	11
29	Spin mixing dynamics in a spin-orbit coupled spin-1 Bose-Einstein condensate. <i>Modern Physics Letters B</i> , 2018, 32, 1850404.	1.0	1
30	Manipulation and generation of the spatially ultra-compact and high quality THz beam. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	3
31	Spin-orbit-coupling stabilization of a collapsing binary Bose-Einstein condensate. <i>Physical Review A</i> , 2017, 95, .	1.0	14
32	Transport of spin-orbit coupled Bose-Einstein condensates in lattice with defects. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 2272-2277.	0.9	1
33	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
34	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
35	The characteristics of an intense laser beam propagating in a corrugated plasma channel. <i>Physics of Plasmas</i> , 2016, 23, 123117.	0.7	5
36	Tunnelling of spin-orbit coupled Bose-Einstein condensates in driven double-well potential. <i>European Physical Journal D</i> , 2016, 70, 1.	0.6	5

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37	Collective dynamics of a spin-orbit-coupled Bose-Einstein condensate. <i>Physical Review E</i> , 2016, 93, 022214.	0.8	15
38	Moving Matter-Wave Solitons in Spin-Orbit Coupled Bose-Einstein Condensates. <i>Chinese Physics Letters</i> , 2016, 33, 100502.	1.3	10
39	Focusing effect of radially power-law channel on an intense laser beam. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 1037-1043.	0.9	7
40	Energy Band and Josephson Dynamics of Spin-Orbit Coupled Bose-Einstein Condensates. <i>Communications in Theoretical Physics</i> , 2015, 64, 395-400.	1.1	0
41	Subdiffusion of Dipolar Gas in One-Dimensional Quasiperiodic Potentials. <i>Chinese Physics Letters</i> , 2015, 32, 010302.	1.3	3
42	Dynamics of laser beams in inhomogeneous electron-positron-ion plasmas. <i>Chinese Physics B</i> , 2015, 24, 075201.	0.7	0
43	Coherent Destruction of Tunneling of Bosons with Effective Three-Body Interactions. <i>Communications in Theoretical Physics</i> , 2015, 63, 695-700.	1.1	2
44	The Coherence of a Dipolar Condensate in a Harmonic Potential Superimposed to a Deep Lattice. <i>Chinese Physics Letters</i> , 2015, 32, 060304.	1.3	0
45	Breathing dynamics of a trapped impurity in a dipolar Bose gas. <i>Modern Physics Letters B</i> , 2014, 28, 1450185.	1.0	1
46	Selective coherent spin transportation in a spin-orbit-coupled bosonic junction. <i>Physical Review A</i> , 2014, 90, .	1.0	21
47	Electromagnetic envelope solitons in ultrarelativistic inhomogeneous electron-positron-ion plasma. <i>Physics of Plasmas</i> , 2014, 21, 082105.	0.7	1
48	Coherent Destruction of Tunneling of Dipolar Bosonic Gas. <i>Chinese Physics Letters</i> , 2014, 31, 010303.	1.3	0
49	Selective Tunneling Dynamics of Bosons with Effective Three-Particle Interactions. <i>Chinese Physics Letters</i> , 2014, 31, 100301.	1.3	0
50	Tunneling Dynamics of Dipolar Bosonic System with Periodically Modulated s-wave Scattering. <i>Communications in Theoretical Physics</i> , 2014, 61, 565-570.	1.1	0
51	Nonlinear interaction of intense laser pulses and an inhomogeneous electron-positron-ion plasma. <i>Physical Review E</i> , 2013, 87, 025101.	0.8	19
52	Transfer of dipolar gas through the discrete localized mode. <i>Physical Review E</i> , 2013, 88, 062916.	0.8	3
53	Dynamics of Dark Solitons in Superfluid Fermi Gases. <i>Chinese Physics Letters</i> , 2013, 30, 110305.	1.3	0
54	Dynamics of a nonlocal discrete Gross-Pitaevskii equation with defects. <i>Physical Review E</i> , 2013, 87, 053201.	0.8	4

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55	Dipolar-induced interplay between inter-level physics and macroscopic phase transitions in triple-well potentials. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 145305.	0.6	7
56	Self-trapping and Macroscopic Tunnelling of Superfluid Fermi Gases in Multi-well Potentials. <i>Communications in Theoretical Physics</i> , 2012, 58, 34-38.	1.1	0
57	Modulational instability of a modified Gross-Pitaevskii equation with higher-order nonlinearity. <i>Physical Review E</i> , 2012, 86, 017601.	0.8	17
58	Bose-Einstein Condensates in Optical Lattices with Higher-Order Interactions. <i>Communications in Theoretical Physics</i> , 2012, 57, 595-602.	1.1	1
59	Discrete breather and its stability in a general discrete nonlinear Schrödinger equation with disorder. <i>Physical Review E</i> , 2012, 86, 066605.	0.8	11
60	Faraday instability and Faraday patterns in a superfluid Fermi gas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 115303.	0.6	8
61	Impurity-induced localization of Bose-Einstein condensates in one-dimensional optical lattices. <i>Chinese Physics B</i> , 2011, 20, 080308.	0.7	2
62	Superfluid Fermi Gases in a Rotating Anharmonic Trap. <i>Communications in Theoretical Physics</i> , 2011, 55, 434-440.	1.1	4
63	Coherent matter waves of a dipolar condensate in two-dimensional optical lattices. <i>Physical Review A</i> , 2010, 82, .	1.0	21
64	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
65	Tunneling dynamics of superfluid Fermi gases in an accelerating optical lattice. <i>Physical Review A</i> , 2010, 82, .	1.0	4
66	Two-component Bose-Einstein condensates in $D$ -dimensional optical lattices. <i>Physical Review A</i> , 2010, 81, .	1.0	7
67	Bloch band and Bloch waves of superfluid Fermi gases in optical lattices. <i>Physical Review A</i> , 2010, 81, .	1.0	5
68	Sound waves and dynamics of superfluid Fermi gases in optical lattices. <i>Physical Review A</i> , 2009, 80, .	1.0	19
69	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
70	The dynamics and stabilities of Bose-Einstein condensates in deep optical lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 1147-1154.	0.9	9
71	Multidimensional nonlinear dust acoustic shock waves in nonuniform magnetized dusty plasmas with nonadiabatic dust charge fluctuation. <i>Physics of Plasmas</i> , 2008, 15, .	0.7	11
72	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

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73	Superfluid Fermi Gas in Optical Lattices: Self-Trapping, Stable, Moving Solitons and Breathers. Physical Review Letters, 2008, 101, 180401.	2.9	49
74	Nonlinear mode coupling and resonant excitations in two-component Bose-Einstein condensates. Physical Review E, 2008, 77, 016606.	0.8	16
75	Band structure and stability of Bose-Einstein condensates in optical lattices with two- and three-atom interactions. Physical Review A, 2007, 75, .	1.0	45
76	Non-linear waves in complex plasma. Chaos, Solitons and Fractals, 2007, 32, 592-597.	2.5	32
77	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
78	Nonlinear waves in nonplanar and nonuniform dusty plasmas. Physics of Plasmas, 2006, 13, 022104.	0.7	9
79	Chaotic synchronization by replacing nonlinear terms with signals. Chaos, Solitons and Fractals, 2006, 28, 228-235.	2.5	2
80	Bose-Einstein condensates in a ring optical lattices trap. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 358, 74-79.	0.9	2
81	Comment on "Stable and unstable vector dark solitons of coupled nonlinear Schrödinger equation: Application to two-component Bose-Einstein condensates. Physical Review E, 2006, 73, 028601.	0.8	3
82	Collective excitations of a Bose-Einstein condensate in an anharmonic trap. Physical Review A, 2006, 74, .	1.0	37
83	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
84	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
85	Modulation of magnetized multidimensional waves in dusty plasma. Physics of Plasmas, 2005, 12, 062313.	0.7	24
86	A cylindrical Davey-Stewartson equation for a modulated cylindrical wave packet. Physics of Plasmas, 2005, 12, 092107.	0.7	5
87	Nonplanar dust-ion acoustic shock waves with transverse perturbation. Physics of Plasmas, 2005, 12, 012314.	0.7	27
88	The nonlinear evolution of ring dark solitons in Bose-Einstein condensates. Journal of Physics A, 2004, 37, 11223-11228.	1.6	14
89	Nonthermal electrons and warm ions effects on oblique modulation of ion-acoustic waves. Physics of Plasmas, 2004, 11, 3939-3944.	0.7	23
90	Cylindrical and spherical ion-acoustic solitary waves with dissipative effect. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 322, 225-230.	0.9	44

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91	Modulational instability of multi-dimensional dust ion-acoustic waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 330, 390-395.	0.9	31
92	Head-on collision of the dust solitary waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 331, 409-413.	0.9	16
93	Propagation of nonplanar dust-acoustic envelope solitary waves in a two-ion-temperature dusty plasma. Physics of Plasmas, 2004, 11, 1860-1865.	0.7	26
94	Head-on collision of dust-acoustic solitary waves. Physical Review E, 2004, 69, 016403.	0.8	125
95	Modulation of dust acoustic waves with non-adiabatic dust charge fluctuations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 320, 226-233.	0.9	39
96	A spherical KP equation for dust acoustic waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 314, 479-483.	0.9	97
97	Cylindrical and spherical dust-ion acoustic shock waves. Physics of Plasmas, 2003, 10, 4893-4896.	0.7	100
98	Cylindrical dust acoustic waves with transverse perturbation. Physics of Plasmas, 2003, 10, 3430-3431.	0.7	81
99	Stability of oblique modulation of dust-acoustic waves in a warm dusty plasma with dust charge variation. Physics of Plasmas, 2003, 10, 3800-3803.	0.7	22
100	Magnetic-induced conversion between electric quadrupole radiation and quasi dipole radiation at THz band. New Journal of Physics, 0, , .	1.2	2