Qiang Gu

List of Publications by Year
in descending order

31 papers	184 citations	1307594 7 h-index	1199594 12 g-index
32 all docs	32 docs citations	32 times ranked	149 citing authors

#	Article	IF	Citations
1	Coherent Dynamics of Domain Formation in the Bose Ferromagnet. Physical Review Letters, 2007, 98, 200401.	7.8	23
2	Realizing the Haldane Phase with Bosons in Optical Lattices. Physical Review Letters, 2018, 120, 085301.	7.8	18
3	Thermodynamic properties of rotating trapped ideal Bose gases. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 1233-1238.	2.1	15
4	Superconductivity in a two-dimensional superconductor with Rashba and Dresselhaus spinâ€“orbit couplings. Solid State Communications, 2014, 187, 68-71.	1.9	13
5	Thermodynamics of Charged Ideal Bose Gases in a Trap under a Magnetic Field. Chinese Physics Letters, 2011, 28, 060306.	3.3	11
6	Enhancement of ferromagnetism byp-wave Cooper pairing in superconducting ferromagnets. Physical Review B, 2009, 80, .	3.2	9
7	Trapped Boseâ€“Einstein condensates in synthetic magnetic field. Frontiers of Physics, 2015, 10, 1.	5.0	8
8	Dynamics of two-component Bose-Einstein condensates coupled with the environment. Physical Review A, 2011, 83, .	2.5	7
9	Dynamics of Bose-Einstein condensates in a one-dimensional optical lattice with double-well potential. Frontiers of Physics, 2013, 8, 375-380.	5.0	7
10	Anomalous angular dependence of the upper critical induction of orthorhombic ferromagnetic superconductors with completely broken<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mtext mathvariant="bold">p</mml:mtext></mml:math>-wave symmetry. Physical Review B, 2013, 88, .	3.2	7
11	Vortices in dipolar Boseâ€“Einstein condensates in synthetic magnetic field. Chinese Physics B, 2016, 25, 016702.	1.4	7
12	Collisionless spin dynamics in a magnetic field gradient. Physical Review A, 2015, 91, .	2.5	6
13	Ab Initio Calculation of Surface-Controlled Photocatalysis in Multiple-Phase BiVO₄. Journal of Physical Chemistry C, 2022, 126, 9541-9550.	3.1	6
14	Nontrivial superconductivity in two-dimensional superconductors with both magnetic field and spin-orbit coupling. Solid State Communications, 2018, 279, 1-5.	1.9	5
15	Effects of the Rashba-like spinâ€“orbit coupling in ferromagnetic superconductors. Physica C: Superconductivity and Its Applications, 2013, 493, 125-127.	1.2	4
16	Spontaneous separation of large-spin Fermi gas in the harmonic trap: a density functional study. Scientific Reports, 2016, 6, 31776.	3.3	4
17	Spin dynamics of large-spin fermions in a harmonic trap. Annals of Physics, 2017, 379, 175-186.	2.8	4
18	Formation of localized magnetic states in a large-spin Fermi system. Physical Review B, 2019, 99, .	3.2	4

#	Article	IF	Citations
19	Vortices in Boseâ€“Einstein Condensates with Random Depth Optical Lattice. Journal of Low Temperature Physics, 2020, 199, 1314-1323.	1.4	4
20	Berezinskii-Kosterlitz-Thouless transition of two-dimensional Bose gases in a synthetic magnetic field. Physical Review A, 2012, 85, .	2.5	3
21	The particle flow oscillations of rotating non-interacting gases in a two-dimensional harmonic trap. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 353-358.	2.1	3
22	Ferromagnetic transition in harmonically trapped Fermi gas with higher partial-wave interactions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 015302.	1.5	3
23	Cooper Pairing in A Doped 2D Antiferromagnet with Spin-Orbit Coupling. Scientific Reports, 2018, 8, 892.	3.3	3
24	The Zeeman, spin-orbit, and quantum spin Hall interactions in anisotropic and low-dimensional conductors. Journal of Physics Condensed Matter, 2021, 33, 085802.	1.8	3
25	Radio-frequency spectrum of fermions near a narrow Feshbach resonance. Physical Review A, 2013, 88, .	2.5	2
26	Investigation of W/Mo co-doping with multiple concentrations in photocatalyst BiVO4 by first-principles calculations. Solid State Communications, 2022, 351, 114794.	1.9	2
27	The Zeeman-split superconductivity with Rashba and Dresselhaus spinâ€“orbit coupling. International Journal of Modern Physics B, 2017, 31, 1745011.	2.0	1
28	Ground state properties of a spin-3/2 Fermi gas. Annals of Physics, 2021, 434, 168654.	2.8	1
29	Angular dependence of the upper critical induction of clean s and $d_{x^2-y^2}$-wave superconductors with self-consistent ellipsoidal effective mass and Zeeman anisotropies. Journal of Physics Condensed Matter, 0, , .	1.8	1
30	Route to observing topological edge modes in ultracold fermions. Physical Review A, 2014, 89, .	2.5	0
31	Kondo effect in a spin-3/2 Fermi gas. Physica B: Condensed Matter, 2022, 636, 413848.	2.7	0