

Fuxiang Li

List of Publications by Year in descending order

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papers

641
citations

623734

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37
all docs

37
docs citations

37
times ranked

780
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-stage decoherence dynamics of an electron spin qubit in an optically active quantum dot. Nature Physics, 2015, 11, 1005-1008.	16.7	96
2	Controlling the Topological Sector of Magnetic Solitons in Exfoliated Crystals. Physical Review Letters, 2017, 118, 257203.	7.8	54
3	Spin transport in magnetic graphene superlattices. European Physical Journal B, 2008, 66, 245-250.	1.5	50
4	Vortex Domain Walls in Helical Magnets. Physical Review Letters, 2012, 108, 107203.	7.8	38
5	Phase Diagram for Magnon Condensate in Yttrium Iron Garnet Film. Scientific Reports, 2013, 3, 1372.	3.3	36
6	Solvable multistate model of Landau-Zener transitions in cavity QED. Physical Review A, 2016, 93, .	2.5	36
7	Scale invariance of a diodelike tunnel junction. Physical Review B, 2013, 87, .	3.2	34
8	Quantum Effects in Higher-Order Correlators of a Quantum-Dot Spin Qubit. Physical Review Letters, 2016, 117, 027402.	7.8	30
9	Nonequilibrium Spin Noise Spectroscopy. Physical Review Letters, 2013, 111, 067201.	7.8	25
10	Extended Haldane's model and its simulation with ultracold atoms. Europhysics Letters, 2008, 84, 60004.	2.0	19
11	Higher-order spin noise statistics. New Journal of Physics, 2013, 15, 113038.	2.9	19
12	Quantum Zeno effect as a topological phase transition in full counting statistics and spin noise spectroscopy. Europhysics Letters, 2014, 105, 27001.	2.0	19
13	Multistate Landau-Zener models with all levels crossing at one point. Physical Review A, 2017, 96, .	2.5	16
14	Quantum Hall effect of Haldane model under magnetic field. Europhysics Letters, 2014, 105, 17002.	2.0	15
15	Emergent topology under slow nonadiabatic quantum dynamics. Physical Review A, 2020, 102, .	2.5	14
16	Universality in Higher Order Spin Noise Spectroscopy. Physical Review Letters, 2016, 116, 026601.	7.8	13
17	Optically engineering the topological properties in a two-dimensional square lattice. Europhysics Letters, 2012, 99, 47007.	2.0	12
18	Quantum Annealing and Thermalization: Insights from Integrability. Physical Review Letters, 2018, 121, 190601.	7.8	12

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19	Higher-order spin-noise spectroscopy of atomic spins in fluctuating external fields. <i>Physical Review A</i> , 2016, 93, .	2.5	11
20	Phase diagram and orbital Chern insulator in twisted double bilayer graphene. <i>Physical Review B</i> , 2021, 103, .	3.2	11
21	Broadband Spectroscopy of Thermodynamic Magnetization Fluctuations through a Ferromagnetic Spin-Reorientation Transition. <i>Physical Review X</i> , 2018, 8, .	8.9	10
22	Simulation of the quantum Hall effect in a staggered modulated magnetic field with ultracold atoms. <i>Physical Review A</i> , 2008, 78, .	2.5	9
23	Disorder and magnetoconductivity in tilted Weyl semimetals. <i>Physical Review B</i> , 2020, 101, .	3.2	9
24	Interaction-induced phase transitions of type-II Weyl semimetals. <i>Physical Review B</i> , 2017, 96, .	3.2	7
25	Examining the validity of the two-dimensional conical model to describe the three-dimensional ZrTe5. <i>Physical Review B</i> , 2020, 101, .	3.2	7
26	Edge states and phase diagram for graphene under polarized light. <i>Physica B: Condensed Matter</i> , 2016, 492, 1-6.	2.7	6
27	Dynamic symmetries and quantum nonadiabatic transitions. <i>Chemical Physics</i> , 2016, 481, 28-33.	1.9	6
28	High Chern number phase in topological insulator multilayer structures. <i>Physical Review B</i> , 2021, 104, .	3.2	6
29	Integrable multistate Landau-Zener models with parallel energy levels. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 295201.	2.1	6
30	Gapped Dirac semimetal with mixed linear and parabolic dispersions. <i>Physical Review B</i> , 2021, 103, .	3.2	5
31	The Valley-Degeneracy-Breaking Induced Arbitrary-Chern Number Insulator on Square Lattice and the Quantum Hall Effect. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 024604.	1.6	3
32	Repulsive Fermi gases in a two-dimensional lattice with non-Abelian gauge fields. <i>Europhysics Letters</i> , 2018, 123, 37001.	2.0	3
33	Detecting the Anomalous Quantum Hall phase under magnetic field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 2245-2250.	2.1	1
34	Emergence of asymmetric fermionic order in interacting birefringent fermions. <i>Physical Review B</i> , 2019, 99, .	3.2	1
35	Phase diagram of the dynamics of a precessing qubit under a quantum measurement. <i>Physical Review A</i> , 2020, 101, .	2.5	1
36	Magnetotransport properties of chiral helimagnet Cr _{1/3} NbS ₂ near phase transition. <i>Journal of Alloys and Compounds</i> , 2021, 892, 162122.	5.5	1

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37	Optically-probing spin qubit coherence without coherent control (Conference Presentation). , 2017, , .		0