

Xianglin Ke

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8082659/publications.pdf>

Version: 2024-02-01

67
papers

2,126
citations

236925

25
h-index

233421

45
g-index

67
all docs

67
docs citations

67
times ranked

3527
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge-carrier localization induced by excess Fe in the superconductor $\text{Fe}_{1-x}\text{Co}_x\text{Te}$. <i>Physical Review B</i> , 2012, 85, 040408. Spin scattering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator MnBi . <i>Physical Review B</i> , 2014, 89, .	3.2	220
2	Energy Minimization and ac Demagnetization in a Nanomagnet Array. <i>Physical Review Letters</i> , 2008, 101, 037205.	3.6	204
3	Chemical Synthesis of Two-Dimensional Iron Chalcogenide Nanosheets: FeSe , FeTe , $\text{Fe}(\text{Se},\text{Te})$, and $\text{FeTe}_{2-x}\text{S}_x$. <i>Chemistry of Materials</i> , 2009, 21, 3655-3661.	3.3	184
4	Effect of biaxial strain on the electrical and magnetic properties of (001) $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ thin films. <i>Applied Physics Letters</i> , 2009, 95, .	7.8	109
5	Electrical and magnetic properties of $(\text{SrMnO}_3)_n(\text{LaMnO}_3)_{2n}$ superlattices. <i>Applied Physics Letters</i> , 2008, 92, 112508.	6.7	95
6	Soft Chemical Conversion of Layered Double Hydroxides to Superparamagnetic Spinel Platelets. <i>Chemistry of Materials</i> , 2008, 20, 2374-2381.	3.3	75
7	Optical band gap and magnetic properties of unstrained EuTiO_3 films. <i>Applied Physics Letters</i> , 2009, 94, .	6.7	71
8	Demagnetization protocols for frustrated interacting nanomagnet arrays. <i>Journal of Applied Physics</i> , 2007, 101, 09J104.	3.3	68
9	Direct entropy determination and application to artificial spin ice. <i>Nature Physics</i> , 2010, 6, 786-789.	2.5	66
10	Series of phase transitions and multiferroicity in the quasi-two-dimensional spin- $\frac{1}{2}$ antiferromagnet Ba_3VO_9 . <i>Physical Review B</i> , 2014, 89, .	16.7	66
11	Nonmonotonic Zero-Point Entropy in Diluted Spin Ice. <i>Physical Review Letters</i> , 2007, 99, 137203.	3.2	60
12	Adsorption-controlled growth of BiMnO_3 films by molecular-beam epitaxy. <i>Applied Physics Letters</i> , 2010, 96, .	7.8	47
13	Structure and magnetic properties of the $\text{Ho}_2\text{Ti}_2\text{O}_7$. <i>Physical Review B</i> , 2008, 77, .	3.3	45
14	Spin Structure in an Interfacially Coupled Epitaxial Ferromagnetic Oxide Heterostructure. <i>Physical Review Letters</i> , 2013, 110, 237201.	7.8	37
15	Low temperature magnetism in the perovskite substrate DyScO_3 . <i>Applied Physics Letters</i> , 2009, 94, .	3.3	36
16	Magnetothermodynamics of the Ising antiferromagnet $\text{Dy}_2\text{Ti}_2\text{O}_7$. <i>Physical Review B</i> , 2008, 78, .	3.2	35
17	Unusual interlayer quantum transport behavior caused by the zeroth Landau level in YbMnBi_2 . <i>Nature Communications</i> , 2017, 8, 646.	7.8	35
18		12.8	35

#	ARTICLE	IF	CITATIONS
37	Nonmonotonic residual entropy in diluted spin ice: A comparison between Monte Carlo simulations of diluted dipolar spin ice models and experimental results. Physical Review B, 2014, 90, . Ferromagnetic superexchange in insulating	3.2	15
38	$C_r C_{2O} Mo_6$ controlling orbital hybridization. Physical Review B, 2015, 92, . Strong lattice correlation of non-equilibrium quasiparticles in a pseudospin-1/2 Mott insulator	3.2	14
39	Sr ₂ IrO ₄ . Scientific Reports, 2016, 6, 19302.	3.3	13
40	First-principles studies of atomic dynamics in tetrahedrite thermoelectrics. APL Materials, 2016, 4, 104811.	5.1	13
41	Field-induced magnetic phase transitions and the resultant giant anomalous Hall effect in the antiferromagnetic half-Heusler compound DyPtBi. Physical Review B, 2020, 102, .	3.2	13
42	Coexistence and Interaction of Spinons and Magnons in an Antiferromagnet with Alternating Antiferromagnetic and Ferromagnetic Quantum Spin Chains. Physical Review Letters, 2020, 125, 037204.	7.8	12
43	Anisotropic transport and de Haas-van Alphen oscillations in quasi-one-dimensional $TaPt_3$ Physical Review B, 2021, 103, .		
44	Magnetic phase transition, magnetoresistance, and anomalous Hall effect in Ga-substituted YMn ₆ Sn ₆ with a ferromagnetic kagome lattice. Physical Review B, 2021, 104, .	3.2	9
45	Tuning the competing phases of bilayer ruthenate Ca ₃ Ru ₂ O ₇ via dilute Mn impurities and magnetic field. Physical Review B, 2017, 95, .	3.2	8
46	Temperature- and field-driven spin reorientations in triple-layer ruthenate Sr ₄ Ru ₃ O ₁₀ . Scientific Reports, 2018, 8, 3914.	3.3	8
47	A topological kagome magnet in high entropy form. Communications Physics, 2022, 5, .	5.3	8
48	Canonical approach to cation flux calibration in oxide molecular-beam epitaxy. Physical Review Materials, 2022, 6, . Weak ferromagnetism of Cu_x	2.4	8
49	Fe_y its evolution with Co doping. Physical Review B, 2015, 91, .	3.2	7
50	Pressure-induced electronic and magnetic phase transitions in a Mott insulator: Ti-doped Ca ₃ Ru ₂ O ₇ bilayer ruthenate. Physical Review B, 2016, 94, . Comprehensive magnetic phase diagrams of the polar metal C_x	3.2	7
51	C_x		

#	ARTICLE	IF	CITATIONS
55	Non-Fermi surface nesting driven commensurate magnetic ordering in Fe-doped $Sr_3Ru_2O_7$. Physical Review B, 2017, 95, .	3.2	5
56	Multiple topologically nontrivial bands in noncentrosymmetric YSn_2 . Physical Review B, 2018, 98, .	3.2	4
57	Cooperative magnetic ordering and phase coexistence in the Ru_6H . Physical Review B, 2020, 102, .	3.2	4
58	Thermal and thermoelectric properties of an antiferromagnetic topological insulator $MnBi_2Te_4$. Physical Review B, 2022, 105, .	3.2	3
59	Field-induced metastability of the modulation wave vector in a magnetic soliton lattice. Physical Review B, 2017, 95, .	3.2	3
60	Insulator-metal transition induced by electric voltage in a ruthenate Mott insulator. Journal of Physics Condensed Matter, 2019, 31, 195602.	1.8	3
61	Superconductivity in $PtPb_4$ with possible nontrivial band topology. Physical Review B, 2021, 104, .	3.2	2
62	G -type magnetic order in ferropnictide CuF_2 . Physical Review B, 2020, 102, .	3.2	2
63	Magnetic field induced phase transition in spinel $GeNi_2O_4$. Physical Review B, 2020, 102, .	3.2	2
64	Thickness evolution of transport properties in exfoliated $Fe_{1+y}Te$ nanoflakes. Journal of Physics Condensed Matter, 2018, 30, 295303.	1.8	2
65	Complex magnetic structure in Ba_5O_{12} with isolated Ru_3O_4 . Physical Review Materials, 2020, 4, .	2.4	1
66	Competing energetic states in $\hat{I}^2\hat{A}^2Fe_2WO_6$ with strong spin-charge-lattice coupling. Physical Review B, 2021, 104, .	3.2	0