

# Xianglin Ke

## List of Publications by Year in descending order

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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	A topological kagome magnet in high entropy form. Communications Physics, 2022, 5, .	5.3	8
2	Exchange-biased topological transverse thermoelectric effects in a Kagome ferrimagnet. Nature Communications, 2022, 13, 1091.	12.8	21
3	Canonical approach to cation flux calibration in oxide molecular-beam epitaxy. Physical Review Materials, 2022, 6, .	2.4	8
4	Thermal and thermoelectric properties of an antiferromagnetic topological insulator $\text{MnBi}_2\text{Te}_4$ . Physical Review B, 2022, 105, .	3.2	11
5	Anisotropic transport and de Haas-van Alphen oscillations in quasi-one-dimensional $\text{TaPt}_3\text{Te}_5$ . Physical Review B, 2021, 103, .	3.2	11
6	Topological Nernst effect, anomalous Nernst effect, and anomalous thermal Hall effect in the Dirac semimetal $\text{Fe}_3\text{Te}_2$ . Physical Review B, 2021, 103, .	3.2	24
7	Magnetic phase transition, magnetoresistance, and anomalous Hall effect in Ga-substituted $\text{YMn}_6\text{Sn}_6$ with a ferromagnetic kagome lattice. Physical Review B, 2021, 104, .	3.2	9
8	Coupling between antiferromagnetic and spin-glass orders in the quasi-one-dimensional iron telluride $\text{TaFe}_{1+x}\text{Te}_3$ ( $x=0.25$ ). Physical Review B, 2021, 104, .	3.2	6
9	Superconductivity in $\text{PtPb}_4$ with possible nontrivial band topology. Physical Review B, 2021, 104, .	3.2	4
10	Competing energetic states in $\text{Fe}_2\text{WO}_6$ with strong spin-charge-lattice coupling. Physical Review B, 2021, 104, .	3.2	0
11	Anomalous Thermal Hall Effect in an Insulating van der Waals Magnet. Physical Review Letters, 2021, 127, 247202.	7.8	31
12	Magnetic field induced phase transition in spinel $\text{GeNi}_2\text{O}_4$ . Physical Review B, 2020, 102, .	3.2	2
13	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
14	Cooperative magnetic ordering and phase coexistence in the $\text{Ru}_6\text{H}_4$ . Physical Review B, 2020, 102, .	3.2	4
15	Field-induced magnetic phase transitions and the resultant giant anomalous Hall effect in the antiferromagnetic half-Heusler compound $\text{DyPtBi}$ . Physical Review B, 2020, 102, .	3.2	13
16	Anisotropic Transport and Quantum Oscillations in the Quasi-One-Dimensional $\text{TaNiTe}_5$ : Evidence for the Nontrivial Band Topology. Journal of Physical Chemistry Letters, 2020, 11, 7782-7789.	4.6	21
17	Topological magnon bands in a room-temperature kagome magnet. Physical Review B, 2020, 101, .	3.2	32
18	Magnetic-field-induced nontrivial electronic state in the Kondo-lattice semimetal $\text{CeSb}$ . Physical Review B, 2020, 101, .	3.2	18

#	ARTICLE	IF	CITATIONS
19	<p>Crystal magnetic structure in <math>\text{BaO}_{12}</math> with isolated <math>\text{Ru}_3</math></p> <p>Comprehensive magnetic phase diagrams of the polar metal <math>\text{C}</math></p>	2.4	1
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#	ARTICLE	IF	CITATIONS
37	Pressure-induced electronic and magnetic phase transitions in a Mott insulator: Ti-dopedCa3Ru2O7bilayer ruthenate. Physical Review B, 2016, 94, .	3.2	7
38	Colossal Magnetoresistance in a Mott Insulator via Magnetic Field-Driven Insulator-Metal Transition. Physical Review Letters, 2016, 116, 216401. <a href="#">Ferromagnetic superexchange in insulating</a>	7.8	27
39	<a href="#">Weak ferromagnetism of</a> mathvariant="normal">C</math> $\frac{r}{r^2} Mo$ mathvariant="normal">Cu</math> mathvariant="normal">Fe</math> mathvariant="normal">O</math> mathvariant="normal">Ba</math> mathvariant="normal">C</math> mathvariant="normal">Cr</math>	3.2	14
40	Weak ferromagnetism of mathvariant="normal">Cu</math> mathvariant="normal">Fe</math> mathvariant="normal">O</math> mathvariant="normal">Ba</math> mathvariant="normal">C</math> mathvariant="normal">Cr</math>	3.2	7
41	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, .	3.2	15
42	Commensurate-incommensurate magnetic phase transition in the Fe-doped bilayer ruthenate mathvariant="normal">O</math> Physical Review B, 2014, 89, . <a href="#">multiferroicity in the quasi-two-dimensional spin</a>	3.2	19
43	antiferromagnet mathvariant="normal">O</math> Magnetic ordering induced by interladder coupling in the spin mathvariant="normal">O</math> two-leg ladder antiferromagnet mathvariant="normal">C</math>	3.2	60
44	mathvariant="normal">C</math>	3.2	17
45	mathvariant="normal">Cr</math>		

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55	Effect of biaxial strain on the electrical and magnetic properties of (001) La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films. Applied Physics Letters, 2009, 95, .	3.3	184
56	Optical band gap and magnetic properties of unstrained EuTiO <sub>3</sub> films. Applied Physics Letters, 2009, 94, .	3.3	68
57	Charge-carrier localization induced by excess Fe in the superconductor $\text{Fe}_{1-x}\text{Co}_x\text{Bi}_2\text{Te}_3$ . Physical Review B, 2009, 80, .	3.2	220
58	Chemical Synthesis of Two-Dimensional Iron Chalcogenide Nanosheets: FeSe, FeTe, Fe(Se,Te), and FeTe <sub>2</sub> . Chemistry of Materials, 2009, 21, 3655-3661.	6.7	95
59	Soft Chemical Conversion of Layered Double Hydroxides to Superparamagnetic Spinel Platelets. Chemistry of Materials, 2008, 20, 2374-2381.	6.7	71
60	Energy Minimization and ac Demagnetization in a Nanomagnet Array. Physical Review Letters, 2008, 101, 037205.	7.8	109
61	Tuning magnetic frustration of nanomagnets in triangular-lattice geometry. Applied Physics Letters, 2008, 93, 252504.	3.3	23
62	Electrical and magnetic properties of (SrMnO <sub>3</sub> ) <sub>n</sub> ·(LaMnO <sub>3</sub> ) <sub>2n</sub> superlattices. Applied Physics Letters, 2008, 92, 112508.	3.3	75
63	Structure and magnetic properties of the $\text{Ho}_2\text{O}_3$ . Physical Review B, 2008, 77, .	3.2	40
64	Magnetothermodynamics of the Ising antiferromagnet $\text{Dy}_2\text{O}_3$ . Physical Review B, 2008, 78, .	3.2	35
65	Structure and magnetic properties of the $\text{Dy}_2\text{O}_3$ . Physical Review B, 2008, 78, .	3.2	25
66	Demagnetization protocols for frustrated interacting nanomagnet arrays. Journal of Applied Physics, 2007, 101, 09J104.	2.5	66
67	Nonmonotonic Zero-Point Entropy in Diluted Spin Ice. Physical Review Letters, 2007, 99, 137203.	7.8	47