Tai Kong

List of Publications by Year
in descending order

66 papers	2,220 citations	279778 23 h-index	223791 46 g-index
68 all docs	68 docs citations	68 times ranked	2971 citing authors

#	Article	IF	Citations
1	Linear Magnetoresistance Caused by Mobility Fluctuations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math>-Doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Cd</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></ Physical Review Letters, 2015, 114, 117201.	7.8	306
2	Use of frit-disc crucibles for routine and exploratory solution growth of single crystalline samples. Philosophical Magazine, 2016, 96, 84-92.	1.6	196
3	VI₃â€”a New Layered Ferromagnetic Semiconductor. Advanced Materials, 2019, 31, e1808074.	21.0	157
4	Anisotropic thermodynamic and transport properties of single-crystalline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:mn>4</mml:mn></ Physical Review B, 2016, 94, .	3.2	116
5	A family of binary magnetic icosahedral quasicrystals based on rare earths and cadmium. Nature Materials, 2013, 12, 714-718.	27.5	98
6	Phase transition in bulk single crystals and thin films of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">V</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>by nanoscale infrared spectroscopy and imaging. Physical Review B, 2015, 91, .	3.2	88
7	Realization of a Typeâ€II Nodalâ€Line Semimetal in Mg₃Bi₂. Advanced Science, 2019, 6, 1800897.	11.2	84
8	Scâ€“Zrâ€“Nbâ€“Rhâ€“Pd and Scâ€“Zrâ€“Nbâ€“Taâ€“Rhâ€“Pd High-Entropy Alloy Superconductors on a CsCl-Type Lattice. Chemistry of Materials, 2018, 30, 906-914.	6.7	82
9	Enhancement of the Superconducting Gap by Nesting in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CaKFe</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></ Anisotropic<mml:math	7.8	71
10	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>H</mml:mi><mml:mrow><mml:mi>c</mml:mi><mml:mn> thermodynamic and transport measurements, and pressure dependence of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:ma	3.2	66
11	Optimization of the crystal growth of the superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:mn>4</mml:mn></ from solution in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>FeAs</mml:mi><mml:mtext>â^’</mml:mtext><mml:ms Physical Review Materials, 2017, 1, .	2.4	63
12	High-entropy alloy superconductors on an Î±-Mn lattice. Journal of Materials Chemistry C, 2018, 6, 10441-10449.	5.5	62
13	Anisotropy reversal of the upper critical field at low temperatures and spin-locked superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>K</mml:mtext><mml:mn>2</mml:mn> Physical Review B, 2015, 91, .	3.2	55
14	Asymmetric mass acquisition in LaBi: Topological semimetal candidate. Physical Review B, 2016, 94, .	3.2	52
15	Nodeless multiband superconductivity in stoichiometric single-crystalline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:mn>4</mml:mn></ Physical Review B, 2017, 95, .	3.2	49
16	Influence of multiband sign-changing superconductivity on vortex cores and vortex pinning in stoichiometric high- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub><mml:mo Physical Review B, 2018, 97, .	3.2	45
17	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:mi>Sb</mml:mi></mml:mrow></mm (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mro	3.2	41
18	Magnetic fluctuations and superconducting properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:mn>4</mml:mn></m studied by <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>As</mml:mi><mml:mprescripts /><mml:none /><mml:mn>75</mml:mn></mml:mmultiscripts></mml:math> NMR. Physical Review B, 2017, 96, .	3.2	40

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19	Pressure-induced half-collapsed-tetragonal phase in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:mn>4</mml:mn><mml:mi>As</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2017, 96, .	3.2	36
20	Multiple ferromagnetic transitions and structural distortion in the van der Waals ferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>VI</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> ambient and finite pressures. Physical Review B, 2019, 100, .	3.2	33
21	Magnetic and transport properties of i-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>R</mml:mi></mml:math> -Cd icosahedral quasicrystals <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:mi>R</mml:mi><mml:mo>=</mml:mo><mml:mtext>Physical Review B, 2014, 90, .	3.2	27
22	Anisotropic magnetic properties of the triangular plane lattice material TmMgGaO4. Materials Research Bulletin, 2018, 105, 154-158.	5.2	25
23	Triangular Rare-Earth Lattice Materials RbBaR(BO₃)₂ (R = Y,) Tj ETQq1 1 0.784314 rgBT /Overlo Chemistry, 2019, 58, 3308-3315.	4.0	25
24	Hysteretic magnetoresistance and unconventional anomalous Hall effect in the frustrated magnetTmB4. Physical Review B, 2016, 93, .	3.2	22
25	Crystal electric field excitations in the quasicrystal approximant<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TbCd</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math> by inelastic neutron scattering. Physical Review B, 2017, 95, .	3.2	22
26	Degeneracy of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>8</mml:mn></mml:mrow></mml:math> Plateau and Antiferromagnetic Phases in the Shastry-Sutherland Magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>TmB</mml:mi></mml:mrow><mml:mn>4</mml:mn></mml:msub></mml:mrow> Physical Review Letters, 2018, 121, 167203.	7.8	22
27	Origin of modulated phases and magnetic hysteresis in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TmB</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math> Physical Review B, 2015, 92, .	3.2	21
28	Crystal growth, crystal structure and anisotropic magnetic properties of KBaR(BO3)2 (Râ€¯=â€¯Y, Gd, Tb, Dy,) Tj ETQq0 0 0 rgBT /Overlo 104-110.	2.3	21
29	Anisotropic magnetic properties of the ferromagnetic semiconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CrSbSe</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> Physical Review Materials, 2018, 2, .	2.4	21
30	Crystal structure and magnetic properties of the layered van der Waals compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>VB</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Materials, 2019, 3, .	2.4	21
31	Magnetic and electronic properties of the Cu-substituted Weyl semimetal candidate ZrCo₂Sn. Journal of Physics Condensed Matter, 2018, 30, 075701.	1.8	20
32	Thermodynamic and transport properties of single crystalline RCo2Ge2 (R=Y, Laâ€“Nd, Smâ€“Tm). Journal of Magnetism and Magnetic Materials, 2014, 358-359, 212-227.	2.3	19
33	Importance of Specific Heat Characterization when Reporting New Superconductors: An Example of Superconductivity in LiGa₂Rh. Chemistry of Materials, 2019, 31, 2164-2173.	6.7	18
34	Physical properties of V 1âˆ’xTixO2 (0 < x < 0.187) single crystals. APL Materials, 2015, 3, .	5.1	17
35	High- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:math> superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> in absence of nematic fluctuations. Physical Review B, 2018, 98, .	3.2	17
36	Atomic structure of the i-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>R</mml:mi></mml:math>-Cd quasicrystals and consequences for magnetism. Physical Review B, 2016, 94, .	3.2	16

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37	Geometrically frustrated trimer-based Mott insulator. Physical Review Materials, 2018, 2, .	2.4	15
38	⁵⁷Fe MÃ¶ssbauer study of stoichiometric iron-based superconductor CaKFe₄As₄: a comparison to KFe₂As₂and CaFe₂As₂. Philosophical Magazine, 2017, 97, 2689-2703.	1.6	13
39	Trimers of MnO₆ octahedra and ferrimagnetism of Ba₄NbMn₃O₁₂. Materials Research Express, 2019, 6, 056108.	1.6	10
40	Quadratic to linear magnetoresistance tuning in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TmB</mml:mi><mml:mn>4</mml:mn></mml:msub></mm Physical Review B, 2019, 99, .	3.2	10
41	Physical properties of single crystalline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:msub><mml:mi mathvariant="bold">Mg</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">Cu</mml:mi><mml:mn>9</mml:mn></mml:msub></mml:mrow></mml:math><mml:math		

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55	Crystal structure and elementary properties of PbS2 with a pressureâ€“stabilized S-S dimer. Journal of Solid State Chemistry, 2019, 269, 442-446.	2.9	4
56	Shear localization and size-dependent strength of YCd6 quasicrystal approximant at the micrometer length scale. Journal of Materials Science, 2018, 53, 6980-6990.	3.7	3
57	Stabilizing the Tb-based 214 cuprate by partial Pd substitution. Journal of Materials Research, 2018, 33, 1690-1697.	2.6	3
58	Growth, Crystal Structure and Magnetic Characterization of Zn-Stabilized CePtIn₄. Journal of the Physical Society of Japan, 2017, 86, 084710.	1.6	2
59	Superconductivity in the Nb-Ru-Ge <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ïƒ</mml:mi></mml:math> phase. Physical Review Materials, 2017, 1, .	2.4	2
60	Spin Reorientation in Antiferromagnetic MnPd₅Se with an Anti-CeCoIn₅ Structure Type. Inorganic Chemistry, 2022, 61, 3981-3988.	4.0	2
61	The Ïƒ-phase superconductors Nb20.4Rh5.7Ge3.9 and Nb20.4Rh5.7Si3.9. Solid State Communications, 2018, 284-286, 96-101.	1.9	1
62	Looking for a quantum spin liquid in the BaNi2(V1â^'xPx)2O8 spin 1 honeycomb system. Philosophical Magazine, 2019, 99, 2051-2062.	1.6	1
63	Li₄Ru₂OCl₁₀Â·10H₂O: crystal structure, magnetic properties and bonding interactions in ruthenium-oxo complexes. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 884-891.	1.1	1
64	Synthesis and Physical Properties of NbMnP Single Crystals. Magnetism, 2022, 2, 179-185.	1.5	1
65	Quantum diffusion of electrons in quasiperiodic and periodic approximant lattices in the rare earth-cadmium system. Philosophical Magazine, 2016, 96, 1122-1130.	1.6	0
66	Growth and characterization of BaZnGa. Philosophical Magazine, 2017, 97, 3317-3324.	1.6	0