

Markus Kriener

List of Publications by Year in descending order

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76
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4,001
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201575

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80
all docs

80
docs citations

80
times ranked

4345
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental signatures of a versatile Weyl semimetal in a pyrochlore iridate with spin-ice-like magnetic orders. Physical Review B, 2022, 105, .	1.1	4
2	Maximizing intrinsic anomalous Hall effect by controlling the Fermi level in simple Weyl semimetal films. Physical Review B, 2022, 105, .	1.1	4
3	Nodal-line driven anomalous susceptibility in ZrSiS. Physical Review B, 2022, 105, .	1.1	1
4	Quantum transport observed in films of the magnetic topological semimetal EuSb ₂ . Physical Review B, 2021, 103, .	1.1	1
5	Intrinsic coupling between spatially-separated surface Fermi-arcs in Weyl orbit quantum Hall states. Nature Communications, 2021, 12, 2572.	5.8	11
6	Interplay of spin-orbit coupling and Coulomb interaction in ZnO-based electron system. Nature Communications, 2021, 12, 3180.	5.8	16
7	Molecular beam deposition of a new layered pnictide with distorted Sb square nets. APL Materials, 2021, 9, 051107.	2.2	3
8	Alloying-induced enhancement of thermopower in the Dirac-semimetal system $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$. Physical Review Materials, 2021, 5, .	0.9	2
9	Field Dependence of Superfluid Density in PdBi_2 . Journal of the Physical Society of Japan, 2021, 90, 104710.	0.7	1
10	Berry curvature generation detected by Nernst responses in ferroelectric Weyl semimetal. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	7
11	Signatures of bosonic Landau levels in a finite-momentum superconductor. Nature, 2021, 599, 51-56.	13.7	5
12	Above-ordering-temperature large anomalous Hall effect in a triangular-lattice magnetic semiconductor. Science Advances, 2021, 7, eabl5381.	4.7	6
13	Clean 2D superconductivity in a bulk van der Waals superlattice. Science, 2020, 370, 231-236.	6.0	64
14	Ferrimagnetic Cu_2Te magnetic structure in Cu_2Te . Physical Review B, 2020, 102, .	1.1	1
15	High-field depinned phase and planar Hall effect in the skyrmion host Gd_2Te_3 . Physical Review B, 2020, 101, .	1.1	1
16	Microscopic characterization of the superconducting gap function in $\text{Sn}_x\text{In}_{1-x}\text{Te}$. Physical Review B, 2020, 101, .	1.1	1
17	Evolution of Electronic States and Emergence of Superconductivity in the Polar Semiconductor GeTe by Doping Valence-Skipping Indium. Physical Review Letters, 2020, 124, 047002.	2.9	14
18	Highly tunable topological system based on PbTe-SnTe binary alloy. Physical Review Materials, 2020, 4, .	0.9	11

#	ARTICLE	IF	CITATIONS
19	Quantized surface transport in topological Dirac semimetal films. Nature Communications, 2019, 10, 2564.	5.8	37
20	Type-I superconductivity in $\text{Al}_x\text{In}_{1-x}$. Physical Review B, 2019, 99, .	6.1	19
21	Skyrmion phase and competing magnetic orders on a breathing kagomé lattice. Nature Communications, 2019, 10, 5831.	5.8	214
22	Ferromagnetic state above room temperature in a proximitized topological Dirac semimetal. Physical Review B, 2019, 100, .	1.1	18
23	Structural characterisation of high-mobility Cd ₃ As ₂ films crystallised on SrTiO ₃ . Scientific Reports, 2018, 8, 2244.	1.6	18
24	Reversible Switching of the Magnetic Orientation of Titanate Nanosheets by Photochemical Reduction and Autoxidation. Journal of the American Chemical Society, 2018, 140, 16396-16401.	6.6	22
25	Gate-tuned quantum Hall states in Dirac semimetal (Cd _{1-x} Zn _x) ₂ Te. Nature Communications, 2018, 9, 4784.	4.7	48
26	Negative magnetoresistance suppressed through a topological phase transition in Cd_xTe thin films. Physical Review B, 2018, 97, .	2.1	21
27	Tailoring band structure and band filling in a simple cubic (IV, III)-VI superconductor. Physical Review Materials, 2018, 2, .	0.9	13
28	square lattice antiferromagnetism in the orbitally quenched insulator MoOPO_4 . Physical Review B, 2017, 96, .	1.1	10
29	in the diluted magnetic semiconductor $\text{Ge}_{1-x}\text{Mn}_x$. Physical Review B, 2017, 95, .	1.1	3
30	Quantum Hall states observed in thin films of Dirac semimetal Cd ₃ As ₂ . Nature Communications, 2017, 8, 2274.	5.8	130
31	Magnetoelectric effect and magnetic phase diagram of a polar ferrimagnet $\text{CaBaFe}_4\text{O}_7$. Physical Review B, 2016, 93, .	1.1	19
32	Heat-Treatment-Induced Switching of Magnetic States in the Doped Polar Semiconductor $\text{Ge}_{1-x}\text{Mn}_x\text{Te}$. Scientific Reports, 2016, 6, 25748.	1.6	15
33	Spin-rotation symmetry breaking in the superconducting state of $\text{Cu}_x\text{Bi}_2\text{Se}_3$. Nature Physics, 2016, 12, 852-854.	6.5	270
34	Modification of electronic structure and thermoelectric properties of hole-doped tungsten dichalcogenides. Physical Review B, 2015, 91, .	1.1	27
35	Doping-dependent charge dynamics in $\text{Cu}_x\text{Bi}_{2-x}\text{Se}_3$. Physical Review B, 2014, 90, .	1.1	18
36	Unusual nature of fully gapped superconductivity in In-doped SnTe. Physical Review B, 2013, 88, .	1.1	105

#	ARTICLE	IF	CITATIONS
37	anomaly and anisotropic superconducting gap in noncentrosymmetric Li $\text{http://www.w3.org/1998/Math/MathML" display="inline" } <\text{mmi:mrow}$		

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#	ARTICLE	IF	CITATIONS
55	Structural domain and finite-size effects of the antiferromagnetic $S=1$ lattice in $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$. Physical Review B, 2005, 71, .	1.1	58
56	Anomalous expansion and phonon damping due to the Co spin-state transition in CoO . Physical Review B, 2005, 71, .	1.1	46
57	Superconducting State of Silver-Oxide Clathrate $\text{Ag}_6\text{O}_8\text{AgNO}_3$. Journal of the Physical Society of Japan, 2008, 77, 024707.	0.7	7
58	Superconductivity in heavily boron-doped silicon carbide. Science and Technology of Advanced Materials, 2008, 9, 044205.	2.8	18
59	Melting of magnetic correlations in charge-orbital ordered $\text{La}_{1-x}\text{Pr}_x\text{NiO}_3$. Physical Review B, 2008, 77, .	1.1	19
60	Specific heat and electronic states of superconducting boron-doped silicon carbide. Physical Review B, 2008, 78, .	1.1	43
61	Superconductivity in Boron-doped SiC. Journal of the Physical Society of Japan, 2007, 76, 103710.	0.7	88
62	Magnetoelastic coupling in RTiO_3 ($R=\text{La, Nd, Sm, Gd, Y}$) investigated with diffraction techniques and thermal expansion measurements. Physical Review B, 2007, 75, .	1.1	111
63	Evidence for multiple phase transitions in $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$. Journal of Magnetism and Magnetic Materials, 2007, 310, e187-e189.	1.0	5
64	Magnetoelastic Coupling Across the Metamagnetic Transition in $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$. Physical Review B, 2006, 73, .	0.6	13
65	Magnetic heat transport in R_2CuO_4 ($R=\text{La, Pr, Nd, Sm, Eu, and Gd}$). Physical Review B, 2006, 73, .	1.1	24
66	Thermal conductivity of $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$, with Pr , and Gd . Physica B: Condensed Matter, 2006, 378-380, 1064-1065.	1.3	2
67	Thermodynamic properties of $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$ in magnetic fields. Physica B: Condensed Matter, 2006, 378-380, 497-498.	1.3	4
68	Structural and magnetic properties of the new low-dimensional spin magnet $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$. Physical Review B, 2005, 71, .	1.0	59
69	Spin-state transition and metal-insulator transition in $\text{La}_{1-x}\text{Pr}_x\text{NiO}_3$. Physical Review B, 2005, 71, .	1.1	137
70	Zero-Field Incommensurate Spin-Peierls Phase with Interchain Frustration in TiOCl . Physical Review Letters, 2005, 95, 097203.	2.9	66
71	Structural Aspects of Metamagnetism in $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$: Evidence for Field Tuning of Orbital Occupation. Physical Review Letters, 2005, 95, 267403.	2.9	14
72	Thermal conductivity, thermopower, and figure of merit of $\text{La}_{1-x}\text{Pr}_x\text{NiO}_3$. Physical Review B, 2005, 72, .	1.1	103

#	ARTICLE	IF	CITATIONS
73	Structure, magnetization, and resistivity of $\text{La}_{1-x}\text{MxCoO}_3$ (M=Ca, Sr, and Ba). Physical Review B, 2004, 69, .	1.1	213
74	The phase-diagram of $\text{Ca}_{2-x}\text{SrxRuO}_4$: Relation between crystal distortions and physical properties. Materials Research Society Symposia Proceedings, 2004, 840, Q4.1.1.	0.1	0
75	Sequence of phase transitions in a quasi-one-dimensional $\text{La}_2\text{Na}_{0.33}\text{V}_2\text{O}_5$ compound with variable valence. JETP Letters, 2004, 79, 542-544.	0.4	1
76	Evidence for a low-spin to intermediate-spin state transition in LaCoO_3 . Physical Review B, 2002, 66, .	1.1	313