

Max Hirschberger

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

5,102
citations

331670

21
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

5795
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometrical Hall effect and momentum-space Berry curvature from spin-reversed band pairs. Physical Review B, 2021, 103, .	3.2	8
2	Nanometric skyrmion lattice from anisotropic exchange interactions in a centrosymmetric host. New Journal of Physics, 2021, 23, 023039.	2.9	50
3	Oscillations of the thermal conductivity in the spin-liquid state of $\hat{\Gamma}_2$ -RuCl ₃ . Nature Physics, 2021, 17, 915-919.	16.7	103
4	Robust noncoplanar magnetism in band-filling-tuned (Nd _{1-x} Ca _x) ₂ Mo ₂ O ₇ . Physical Review B, 2021, 104, .	3.2	1
5	Large Hall and Nernst responses from thermally induced spin chirality in a spin-trimer ferromagnet. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	7
6	Weyl fermions promote collective magnetism. Nature Materials, 2021, 20, 1592-1593.	27.5	1
7	Emergent electromagnetic induction in a helical-spin magnet. Nature, 2020, 586, 232-236.	27.8	60
8	Topological Nernst Effect of the Two-Dimensional Skyrmion Lattice. Physical Review Letters, 2020, 125, 076602.	7.8	55
9	Nanometric square skyrmion lattice in a centrosymmetric tetragonal magnet. Nature Nanotechnology, 2020, 15, 444-449.	31.5	192
10	High-field depinned phase and planar Hall effect in the skyrmion host GdMn_2O_7 . Physical Review B, 2020, 101, .	3.2	42
11	Skyrmion lattice with a giant topological Hall effect in a frustrated triangular-lattice magnet. Science, 2019, 365, 914-918.	12.6	418
12	A gap-protected zero-Hall effect state in the quantum limit of the non-symmorphic metal KHgSb. Nature Materials, 2019, 18, 443-447.	27.5	14
13	Skyrmion phase and competing magnetic orders on a breathing kagomé lattice. Nature Communications, 2019, 10, 5831.	12.8	214
14	Ordering phenomena of spin trimers accompanied by a large geometrical Hall effect. Physical Review B, 2019, 100, .	3.2	9
15	Ultrasmall Moment Incommensurate Spin Density Wave Order Masking a Ferromagnetic Quantum Critical Point in NbFe_2 . Physical Review Letters, 2019, 123, 247203.	7.8	8
16	Quantum tricritical points in NbFe ₂ . Nature Physics, 2018, 14, 62-67.	16.7	42
17	Crystal growth and stoichiometry-dependent properties of the ferromagnetic Weyl semimetal ZrCo ₂ $\hat{\Gamma}_2$ Sn. Journal of Physics Condensed Matter, 2017, 29, 225702.	1.8	7
18	Anomalous Nernst Effect in the Dirac Semimetal Cd_3As_2 . Physical Review Letters, 2017, 118, 136601.	7.8	138

#	ARTICLE	IF	CITATIONS
19	Chiral anomaly factory: Creating Weyl fermions with a magnetic field. Physical Review B, 2017, 95, .	3.2	94
20	Time-Reversal-Breaking Weyl Fermions in Magnetic Heusler Alloys. Physical Review Letters, 2016, 117, 236401.	7.8	282
21	Magnetic phase diagram of underdoped YBa ₂ Cu ₃ O _y inferred from torque magnetization and thermal conductivity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12667-12672.	7.1	38
22	The chiral anomaly and thermopower of Weyl fermions in the half-Heusler AgPtBi . Nature Materials, 2016, 15, 1161-1165.	27.5	436
23	Dirac metal to topological metal transition at a structural phase change in Au_2Pb and prediction of Z_2 topology	3.2	55
24	Correlation of crystal quality and extreme magnetoresistance of WTe_2 . Europhysics Letters, 2015, 110, 67002.	2.0	96
25	Thermal Hall Effect of Spin Excitations in a Kagome Magnet. Physical Review Letters, 2015, 115, 106603.	7.8	195
26	Large thermal Hall conductivity of neutral spin excitations in a frustrated quantum magnet. Science, 2015, 348, 106-109.	12.6	135
27	Evidence for the chiral anomaly in the Dirac semimetal Na_3Bi . Science, 2015, 350, 413-416.	12.6	927
28	Paramagnetic to ferromagnetic phase transition in lightly Fe-doped Cr_2B . Physical Review B, 2014, 89, .	3.2	20
29	Large, non-saturating magnetoresistance in WTe_2 . Nature, 2014, 514, 205-208.	27.8	1,329
30	Evidence for massive bulk Dirac fermions in $\text{Pb}_{1-x}\text{Sn}_x\text{Se}$ from Nernst and thermopower experiments. Nature Communications, 2013, 4, 2696.	12.8	126