

Maja D Bachmann

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

437
citations

840776

11
h-index

752698

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23
all docs

23
docs citations

23
times ranked

773
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic in-plane symmetry breaking at field-tuned quantum criticality in CeRhIn ₅ . Nature, 2017, 548, 313-317.	27.8	89
2	Quantum limit transport and destruction of the Weyl nodes in TaAs. Nature Communications, 2018, 9, 2217.	12.8	71
3	Inducing superconductivity in Weyl semimetal microstructures by selective ion sputtering. Science Advances, 2017, 3, e1602983.	10.3	68
4	Spatial control of heavy-fermion superconductivity in CeIrIn ₅ . Science, 2019, 366, 221-226.	12.6	37
5	Super-geometric electron focusing on the hexagonal Fermi surface of PdCoO ₂ . Nature Communications, 2019, 10, 5081.	12.8	26
6	Scale-invariant magnetic anisotropy in RuCl ₃ at high magnetic fields. Nature Physics, 2021, 17, 240-244.	16.7	25
7	$\langle i \rangle h \langle /i \rangle / \langle i \rangle e \langle /i \rangle$ oscillations in interlayer transport of delafossites. Science, 2020, 368, 1234-1238.	12.6	24
8	Directional ballistic transport in the two-dimensional metal PdCoO ₂ . Nature Physics, 2022, 18, 819-824.	16.7	16
9	Orbital effect and weak localization in the longitudinal magnetoresistance of Weyl semimetals NbP, NbAs, TaP, and TaAs. Physical Review Materials, 2020, 4, .	2.4	14
10	Temperature dependence of quantum oscillations from non-parabolic dispersions. Nature Communications, 2021, 12, 6213.	12.8	14
11	Low-symmetry nonlocal transport in microstructured squares of delafossite metals. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
12	Scanning SQUID microscopy in a cryogen-free dilution refrigerator. Review of Scientific Instruments, 2021, 92, 083704.	1.3	9
13	Out-of-plane transport in ZrSiS and ZrSiSe microstructures. APL Materials, 2019, 7, 101116.	5.1	7
14	Second order Zeeman interaction and ferroquadrupolar order in TmVO ₄ . Npj Quantum Materials, 2022, 7, .	5.2	7
15	Probing intraband excitations in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{ZrTe} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 5 \langle \text{mml:mdiv} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{As}$: A high-pressure infrared and transport study. Physical Review B, 2020, 101, .		
16	Sr ₂ Pt ₈ As: a layered incommensurately modulated metal with saturated resistivity. IUCr, 2018, 5, 470-477.	2.2	5
17	Expanding the momentum field of view in angle-resolved photoemission systems with hemispherical analyzers. Review of Scientific Instruments, 2021, 92, 123907.	1.3	4
18	Persistent antiferromagnetic order in heavily overdoped Ca _{1-x} La _x FeAs ₂ . Journal of Physics Condensed Matter, 2019, 31, 485705.	1.8	2

#	ARTICLE	IF	CITATIONS
19	Controlling superconductivity of CeIrIn5 microstructures by substrate selection. Applied Physics Letters, 2022, 120, .	3.3	2
20	Spatially Modulated Heavy Fermion Superconductivity in CeIrIn5. Springer Theses, 2020, , 99-150.	0.1	1
21	Focused Ion Beam Micro-machining. Springer Theses, 2020, , 5-33.	0.1	0