Claudia Felser

List of Publications by Year
in descending order

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840 papers	55,383 citations	1457 107 h-index	2233 201 g-index
893 all docs	893 docs citations	893 times ranked	26199 citing authors

#	Article	IF	Citations
1	Topological materials discovery from crystal symmetry. Nature Reviews Materials, 2022, 7, 196-216.	23.3	65
2	Giant anomalous Nernst signal in the antiferromagnet YbMnBi2. Nature Materials, 2022, 21, 203-209.	13.3	72
3	Grain boundary in NbCo(Pt)Sn half-Heusler compounds: Segregation and solute drag on grain boundary migration. Acta Materialia, 2022, 226, 117604.	3.8	5
4	Topological Hall effect arising from the mesoscopic and microscopic non-coplanar magnetic structure in MnBi. Acta Materialia, 2022, 226, 117619.	3.8	11
5	Direct observation of the spinâ€“orbit coupling effect in magnetic Weyl semimetal Co3Sn2S2. Npj Quantum Materials, 2022, 7, .	1.8	16
6	Quasi-quantized Hall response in bulk InAs. Scientific Reports, 2022, 12, 2153.	1.6	3
7	Pressureâ€Driven Magnetoâ€Topological Phase Transition in a Magnetic Weyl Semimetal. Advanced Quantum Technologies, 2022, 5, .	1.8	7
8	Spin-voltage-driven efficient terahertz spin currents from the magnetic Weyl semimetals Co2MnGa and Co2MnAl. Applied Physics Letters, 2022, 120, .	1.5	11
9	Nanoscale magnetic bubbles in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nd</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">B</mml:mi></mml:mrow></mml:math> at room temperature. Physical Review B, 2022, 105, .	1.1	8
10	Spintronic THz emitters based on transition metals and semi-metals/Pt multilayers. Applied Physics Letters, 2022, 120, .	1.5	10
11	Ultrafast Subâ€100 fs Allâ€Optical Modulation and Efficient Thirdâ€Harmonic Generation in Weyl Semimetal Niobium Phosphide Thin Films. Advanced Materials, 2022, 34, e2106733.	11.1	4
12	Progress and prospects in magnetic topological materials. Nature, 2022, 603, 41-51.	13.7	133
13	Giant Chern number of a Weyl nodal surface without upper limit. Physical Review B, 2022, 105, .	1.1	4
14	Catalogue of flat-band stoichiometric materials. Nature, 2022, 603, 824-828.	13.7	65
15	Anisotropic large diamagnetism in Dirac semimetals ZrTe₅ and HfTe₅. Journal of Physics Condensed Matter, 2022, 34, 225802.	0.7	5
16	Obstructed Surface States as the Descriptor for Predicting Catalytic Active Sites in Inorganic Crystalline Materials. Advanced Materials, 2022, 34, e2201328.	11.1	18
17	Structural, Thermodynamic, and Transport Properties of the Small-Gap Two-Dimensional Metalâ€“Organic KagomÃ© Materials Cu₃(hexaiminobenzene)₂ and Ni₃(hexaiminobenzene)₂. Inorganic Chemistry, 2022, 61, 6480-6487.	1.9	4
18	Identification of Interface Structure for a Topological CoS₂ Single Crystal in Oxygen Evolution Reaction with High Intrinsic Reactivity. ACS Applied Materials & Interfaces, 2022, 14, 19324-19331.	4.0	10

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19	Noncollinear magnetic order in epitaxial thin films of the centrosymmetric MnPtGa hard magnet. Applied Physics Letters, 2022, 120, 172403.	1.5	2
20	Second-harmonic generation in the topological multifold semimetal RhSi. Physical Review Research, 2022, 4, .	1.3	10
21	FAIR data enabling new horizons for materials research. Nature, 2022, 604, 635-642.	13.7	81
22	Observation of fractional spin textures in a Heusler material. Nature Communications, 2022, 13, 2348.	5.8	9
23	Observation of a linked-loop quantum state in a topological magnet. Nature, 2022, 604, 647-652.	13.7	18
24	Buckled Honeycomb Lattice Compound Sr₃CaOs₂O₉ Exhibiting Antiferromagnetism above Room Temperature. Chemistry of Materials, 2022, 34, 4741-4750.	3.2	3
25	Giant intrinsic anomalous terahertz Faraday rotation in the magnetic Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> at room temperature. Physical Review B, 2022, 105, .	3.7	16
26	Anomalous thermoelectric effects and quantum oscillations in the kagome metal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CsV</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2022, 105, .	3.7	27
27	Quasi-symmetry-protected topology in a semi-metal. Nature Physics, 2022, 18, 813-818.	6.5	15
28	All topological bands of all nonmagnetic stoichiometric materials. Science, 2022, 376, eabg9094.	6.0	84
29	Temperature-driven reorganization of electronic order in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>CsV</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:math> Physical Review B, 2022, 105, .	3.7	11
30	Long-lifetime spin excitations near domain walls in 1T-TaS ₂. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	4
31	Observation of a phase transition within the domain walls of ferromagnetic Co3Sn2S2. Nature Communications, 2022, 13, .	5.8	17
32	Ultrahigh transverse thermoelectric power factor in flexible Weyl semimetal WTe2. Nature Communications, 2022, 13, .	5.8	26
33	Fully Two-Dimensional Incommensurate Charge Modulation on the Pd-Terminated Polar Surface of PdCoO₂. Nano Letters, 2022, 22, 5635-5640.	4.5	3
34	Topological Quantum Materials from the Viewpoint of Chemistry. Chemical Reviews, 2021, 121, 2780-2815.	23.0	70
35	Structure and magnetism of new A- and B-site ordered double perovskites ALaCuOsO6 (A = Ba and Sr). Journal of Solid State Chemistry, 2021, 293, 121784.	1.4	9
36	Thermoelectric Properties of Novel Semimetals: A Case Study of YbMnSb₂. Advanced Materials, 2021, 33, e2003168.	11.1	34

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37	Tunable e g Orbital Occupancy in Heusler Compounds for Oxygen Evolution Reaction**. Angewandte Chemie, 2021, 133, 5864-5869.	1.6	12
38	Tunablee_gOrbital Occupancy in Heusler Compounds for Oxygen Evolution Reaction**. Angewandte Chemie - International Edition, 2021, 60, 5800-5805.	7.2	45
39	The topology of electronic band structures. Nature Materials, 2021, 20, 293-300.	13.3	81
40	Evidence for Dominant Phonon-Electron Scattering in Weyl Semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WP</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m Physical Review X, 2021, 11, .	2.8	28
41	Evolution of transition metal charge states in correlation with the structural and magnetic properties in disordered double perovskites Ca_{2â^'x}La_xFeRuO₆ (0.5 â‰¤ x â‰¤ 2). Physical Chemistry Chemical Physics, 2021, 23, 21769-21783.	1.3	9
42	Metallic Magnetic Materials. , 2021, , 1-116.		1
43	Giant topological longitudinal circular photo-galvanic effect in the chiral multifold semimetal CoSi. Nature Communications, 2021, 12, 154.	5.8	89
44	Magnetic and Electronic Properties of Weyl Semimetal Co2MnGa Thin Films. Nanomaterials, 2021, 11, 251.	1.9	21
45	Role of Magnetic Exchange Interactions in Chiral-Type Hall Effects of Epitaxial Mn_xPtSn Films. ACS Applied Electronic Materials, 2021, 3, 1323-1333.	2.0	11
46	Thermoelectric Materials: Thermoelectric Properties of Novel Semimetals: A Case Study of YbMnSb₂ (Adv. Mater. 7/2021). Advanced Materials, 2021, 33, 2170051.	11.1	1
47	Field-induced charge symmetry revealed by nuclear magnetic resonance in the topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mm Physical Review Research, 2021, 3, .	1.3	5
48	Broadband optical conductivity of the chiral multifold semimetal PdGa. Physical Review B, 2021, 103, .	1.1	8
49	Crystal Growth of a New 8H Perovskite Sr₈Os_{6.3}O₂₄ Exhibiting High T_C Ferromagnetism. Crystal Growth and Design, 2021, 21, 2459-2464.	1.4	3
50	Enhancement of basal plane electrocatalytic hydrogen evolution activity via joint utilization of trivial and non-trivial surface states. Applied Materials Today, 2021, 22, 100921.	2.3	12
51	Martensite-austenite transition correlated twinning and symmetry breaking in single crystalline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ni</mml:mi><mml:mn>50</mml:mn></m Physical Review Materials, 2021, 5, .	0.9	0
52	2Dâ€Berryâ€Curvatureâ€Driven Large Anomalous Hall Effect in Layered Topological Nodalâ€Line MnAlGe. Advanced Materials, 2021, 33, e2006301.	11.1	28
53	Linkage between scattering rates and superconductivity in doped ferropnictides. Physical Review B, 2021, 103, .	1.1	9
54	Large anomalous Hall effect in the kagome ferromagnet LiMn6Sn6. Physical Review B, 2021, 103, .	1.1	35

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55	(Quasi-)Quantization of the electrical, thermal, and thermoelectrical conductivities in two and three dimensions. Journal of Physics Communications, 2021, 5, 045007.	0.5	2
56	Extremely large magnetoresistance from electron-hole compensation in the nodal-loop semimetal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>ZrP</mml:mi><mml:mn>2</mml:mn></mml:msub></mml Physical Review B, 2021, 103, .	1.1	16
57	Magnetocrystalline anisotropies in Mn<i>x</i>PtSn thin films. APL Materials, 2021, 9, .	2.2	3
58	Topological magnetic order and superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Eu</mml:mi><mml:mi>Rb</mml:mi><mml:msub><mml:m Physical Review B, 2021, 103, .	1.1	10
59	Origin of the quasi-quantized Hall effect in ZrTe5. Nature Communications, 2021, 12, 3197.	5.8	31
60	Hard magnet topological semimetals in XPt3 compounds with the harmony of Berry curvature. Communications Physics, 2021, 4, .	2.0	8
61	Giant Anomalous Hall Conductivity in the Itinerant Ferromagnet LaCrSb₃ and the Effect of fâ€Electrons. Advanced Quantum Technologies, 2021, 4, 2100023.	1.8	3
62	Critical sample aspect ratio and magnetic field dependence for antiskyrmion formation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mrow><mml:mn>1.4</m single crystals. Physical Review B, 2021, 103, .	1.1	7
63	Composition-dependent transition in the magnetocrystalline anisotropy of tetragonal Heusler alloys Rh2TSb(T=Fe,Co). Physical Review Materials, 2021, 5, .	0.9	4
64	Magnetic and electronic ordering phenomena in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ru</mml:mi><mml:mn>2</mml:mn></mml: mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> -layer honeycomb lattice compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>AgRuO</mml:mi><mml:mn>3</mml:mn></mml:msub></ Physical Review B, 2021, 103, .	1.1	10
65	Observation of the critical state to multiple-type Dirac semimetal phases in KMgBi. Journal of Applied Physics, 2021, 129, .	1.1	1
66	Observation of a singular Weyl point surrounded by charged nodal walls in PtGa. Nature Communications, 2021, 12, 3994.	5.8	15
67	Pressure-induced superconductivity and modification of Fermi surface in type-II Weyl semimetal NbIrTe4. Npj Quantum Materials, 2021, 6, .	1.8	8
68	Anisotropic magnetization, critical temperature, and paramagnetic Curie temperature in the highly anisotropic magnetic Heusler compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Rh</mml:mi><mml:mn>2</mml:mn></mml: Physical Review B, 2021, 103, .	1.1	3
69	Evidence for one-dimensional chiral edge states in a magnetic Weyl semimetal Co3Sn2S2. Nature Communications, 2021, 12, 4269.	5.8	40
70	Nanoscale Noncollinear Spin Textures in Thin Films of a <i>D</i>_{2d} Heusler Compound. Advanced Materials, 2021, 33, e2101323.	11.1	8
71	Large Anomalous Hall and Nernst Effects in High Curieâ€Temperature Ironâ€Based Heusler Compounds. Advanced Science, 2021, 8, e2100782.	5.6	20
72	Large linear non-saturating magnetoresistance and high mobility in ferromagnetic MnBi. Nature Communications, 2021, 12, 4576.	5.8	22

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73	Ganzheitliche Betrachtung in der Materialentwicklung: Wasserâ€Elektrolyse als Fallbeispiel. Angewandte Chemie, 2021, 133, 20254-20260.	1.6	7
74	On the anomalous low-resistance state and exceptional Hall component in hard-magnetic Weyl nanoflakes. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	11
75	Layer Hall effect in a 2D topological axion antiferromagnet. Nature, 2021, 595, 521-525.	13.7	136
76	Holistic View on Materials Development: Water Electrolysis as a Case Study. Angewandte Chemie - International Edition, 2021, 60, 20094-20100.	7.2	15
77	Magnetocatalysis: The Interplay between the Magnetic Field and Electrocatalysis. CCS Chemistry, 2021, 3, 2259-2267.	4.6	13
78	Quantum Oscillations in Ferromagnetic (Sb, V) 2 Te 3 Topological Insulator Thin Films. Advanced Materials, 2021, 33, 2102107.	11.1	3
79	Sondheimer oscillations as a probe of non-ohmic flow in WP2 crystals. Nature Communications, 2021, 12, 4799.	5.8	7
80	Suppression of axionic charge density wave and onset of superconductivity in the chiral Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ta</mml:mi><mml:mn>2</mml:mn></mml:r mathvariant="normal">I</mml:mi></mml:mrow></mml:math>. Physical Review Materials, 2021, 5, .	0.9	12
81	Anisotropic magnetothermal transport in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:r thin films. Physical Review B, 2021, 104, .	1.1	4
82	Design strong anomalous Hall effect via spin canting in antiferromagnetic nodal line materials. Physical Review B, 2021, 104, .	1.1	7
83	Dopant-segregation to grain boundaries controls electrical conductivity of n-type NbCo(Pt)Sn half-Heusler alloy mediating thermoelectric performance. Acta Materialia, 2021, 217, 117147.	3.8	24
84	Demonstration of valley anisotropy utilized to enhance the thermoelectric power factor. Nature Communications, 2021, 12, 5408.	5.8	66
85	Large magnon-induced anomalous Nernst conductivity in single-crystal MnBi. Joule, 2021, 5, 3057-3067.	11.7	21
86	Imaging phonon-mediated hydrodynamic flow in WTe2. Nature Physics, 2021, 17, 1216-1220.	6.5	72
87	Direct and Indirect Determination of the Magnetocaloric Effect in the Heusler Compound Ni1.7Pt0.3MnGa. Entropy, 2021, 23, 1273.	1.1	4
88	Gradience in subjectâ€“verb number agreement: Can bilinguals tune in?. Applied Psycholinguistics, 2021, 42, 1523-1551.	0.8	2
89	Anisotropic Nodalâ€Lineâ€Derived Large Anomalous Hall Conductivity in ZrMnP and HfMnP. Advanced Materials, 2021, 33, 2104126.	11.1	4
90	MoS2 on topological insulator Bi2Te3 thin films: Activation of the basal plane for hydrogen reduction. Journal of Energy Chemistry, 2021, 62, 516-522.	7.1	24

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91	Pressure-induced a partial disorder and superconductivity in quasi-one-dimensional Weyl semimetal (NbSe4)2I. Materials Today Physics, 2021, 21, 100509.	2.9	13
92	A charge-density-wave topological semimetal. Nature Physics, 2021, 17, 381-387.	6.5	76
93	Influence of Cr substitution on the reversibility of the magnetocaloric effect in Ni-Cr-Mn-In Heusler alloys. Physical Review Materials, 2021, 5, .	0.9	7
94	Direct Measurement of Helicoid Surface States in RhSi Using Nonlinear Optics. Physical Review Letters, 2021, 127, 157405.	2.9	16
95	Temperature dependence of quantum oscillations from non-parabolic dispersions. Nature Communications, 2021, 12, 6213.	5.8	14
96	Giant Topological Hall Effect in the Noncollinear Phase of Two-Dimensional Antiferromagnetic Topological Insulator MnBi₄Te₇. Chemistry of Materials, 2021, 33, 8343-8350.	3.2	13
97	Metallic Magnetic Materials. , 2021, , 693-808.		0
98	Topological phase transition in a magnetic Weyl semimetal. Physical Review B, 2021, 104, .	1.1	7
99	Signatures of Weyl Fermion Annihilation in a Correlated Kagome Magnet. Physical Review Letters, 2021, 127, 256403.	2.9	17
100	Transition metal on topological chiral semimetal PdGa with tailored hydrogen adsorption and reduction. Npj Computational Materials, 2021, 7, .	3.5	12
101	Revealing the Intrinsic Electronic Structure of 3D Halfâ€Heusler Thermoelectric Materials by Angleâ€Resolved Photoemission Spectroscopy. Advanced Science, 2020, 7, 1902409.	5.6	49
102	Pressure-Induced Charge Disorderâ€“Order Transition in the Cs₄O₆ Sesquioxide. Inorganic Chemistry, 2020, 59, 1256-1264.	1.9	0
103	Co₃O₄-Î³-Fe₂O₃ Nanocrystal Heterostructures with Enhanced Coercivity and Blocking Temperature. Journal of Physical Chemistry C, 2020, 124, 1623-1630.	1.5	1
104	Observation of Robust NÃ©el Skyrmions in Metallic PtMnGa. Advanced Materials, 2020, 32, e1904327.	11.1	33
105	Observation of Magnetic Antiskyrmions in the Low Magnetization Ferrimagnet Mn₂Rh_{0.95}Ir_{0.05}Sn. Nano Letters, 2020, 20, 59-65.	4.5	51
106	Signatures of the Magnetic Entropy in the Thermopower Signals in Nanoribbons of the Magnetic Weyl Semimetal Co₃Sn₂S₂. Nano Letters, 2020, 20, 300-305.	4.5	23
107	Ab initio study of quantized circular photogalvanic effect in chiral multifold semimetals. Physical Review B, 2020, 102, .	1.1	22
108	Optical signatures of multifold fermions in the chiral topological semimetal CoSi. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27104-27110.	3.3	37

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109	Optical method to detect the relationship between chirality of reciprocal space chiral multifold fermions and real space chiral crystals. Physical Review B, 2020, 102, .	1.1	6
110	Field-Modulated Anomalous Hall Conductivity and Planar Hall Effect in Co₃Sn₂S₂ Nanoflakes. Nano Letters, 2020, 20, 7860-7867.	4.5	27
111	Axion physics in condensed-matter systems. Nature Reviews Physics, 2020, 2, 682-696.	11.9	74
112	A New Highly Anisotropic Rhâ€Based Heusler Compound for Magnetic Recording. Advanced Materials, 2020, 32, 2004331.	11.1	18
113	Topological Hall Signatures of Two Chiral Spin Textures Hosted in a Single Tetragonal Inverse Heusler Thin Film. ACS Nano, 2020, 14, 13463-13469.	7.3	19
114	Effect of uniaxial stress on the electronic band structure of NbP. Physical Review B, 2020, 102, .	1.1	6
115	Thermoelectric properties of n-type half-Heusler NbCoSn with heavy-element Pt substitution. Journal of Materials Chemistry A, 2020, 8, 14822-14828.	5.2	44
116	Anisotropic fractal magnetic domain pattern in bulk <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mrow><mml:mn>1.4</mml:mn></mml:mrow></mml:msub><mml:mi>Pt</mml:mi><mml:mi Physical Review B, 2020, 102, .	1.1	11
117	Unconventional Hall response in the quantum limit of HfTe5. Nature Communications, 2020, 11, 5926.	5.8	32
118	Helicity-dependent photocurrents in the chiral Weyl semimetal RhSi. Science Advances, 2020, 6, eaba0509.	4.7	129
119	40 years of the quantum Hall effect. Nature Reviews Physics, 2020, 2, 397-401.	11.9	84
120	Idiosyncratic Ag 7 Pt 2 O 7 : An Electron Imprecise yet Diamagnetic Small Band Gap Oxide. Angewandte Chemie - International Edition, 2020, 59, 19910-19913.	7.2	5
121	Handedness-dependent quasiparticle interference in the two enantiomers of the topological chiral semimetal PdGa. Nature Communications, 2020, 11, 3507.	5.8	27
122	Topological Lifshitz transition of the intersurface Fermi-arc loop in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NbIrTe</mml:mi><mml:mn>4</mml:mn></mml:msub></m Physical Review B, 2020, 102, .	1.1	12
123	Effect of topology on quasiparticle interactions in the Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WP</mml:mi><mml:mn>2</mml:mn></mml:msub></m Physical Review B, 2020, 102, .	1.1	9
124	Optical conductivity of the type-II Weyl semimetal WTe2 under pressure. Physical Review B, 2020, 102, .	1.1	2
125	High-throughput calculations of magnetic topological materials. Nature, 2020, 586, 702-707.	13.7	241
126	Large topological Hall effect in an easy-cone ferromagnet (Cr0.9B0.1)Te. Applied Physics Letters, 2020, 117, .	1.5	15

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127	Electron hydrodynamics in anisotropic materials. Nature Communications, 2020, 11, 4710.	5.8	38
128	Structure and Magnetic Properties of Sr₂NaOsO₆. European Journal of Inorganic Chemistry, 2020, 2020, 3991-3995.	1.0	4
129	Idiosyncratic Ag 7 Pt 2 O 7 : An Electron Imprecise yet Diamagnetic Small Band Gap Oxide. Angewandte Chemie, 2020, 132, 20082-20085.	1.6	1
130	Evolution and competition between chiral spin textures in nanostripes with D _{2d} symmetry. Science Advances, 2020, 6, .	4.7	24
131	Robust metastable skyrmions with tunable size in the chiral magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Fe</mml:mi><mml:mi>Pt</mml:mi><mml:msub><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math>. Physical Review B, 2020, 102, .	1.1	6
132	Mg₃(Bi,Sb)₂ single crystals towards high thermoelectric performance. Energy and Environmental Science, 2020, 13, 1717-1724.	15.6	91
133	Water structure near the surface of Weyl semimetals as catalysts in photocatalytic proton reduction. Structural Dynamics, 2020, 7, 034101.	0.9	5
134	Mode-resolved reciprocal space mapping of electron-phonon interaction in the Weyl semimetal candidate Td-WTe2. Nature Communications, 2020, 11, 2613.	5.8	51
135	Tunable Magnetic Antiskyrmion Size and Helical Period from Nanometers to Micrometers in a D_{2d} Heusler Compound. Advanced Materials, 2020, 32, e2002043.	11.1	37
136	Establishing the carrier scattering phase diagram for ZrNiSn-based half-Heusler thermoelectric materials. Nature Communications, 2020, 11, 3142.	5.8	87
137	Emerging chiral edge states from the confinement of a magnetic Weyl semimetal in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>3</mml:mn></mml:mrow><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2020, 101, .	1.1	48
138	Visualizing coexisting surface states in the weak and crystalline topological insulator Bi2TeI. Nature Materials, 2020, 19, 610-616.	13.3	23
139	Anisotropic electrical and thermal magnetotransport in the magnetic semimetal GdPtBi. Physical Review B, 2020, 101, .	1.1	24
140	Easy-cone magnetic structure in (Cr0.9B0.1)Te. Applied Physics Letters, 2020, 116, 102404.	1.5	5
141	Effect of magnetic field on the hydrogen evolution activity using non-magnetic Weyl semimetal catalysts. Dalton Transactions, 2020, 49, 3398-3402.	1.6	13
142	Giant anomalous Hall and Nernst effect in magnetic cubic Heusler compounds. Npj Computational Materials, 2020, 6, .	3.5	57
143	Observation and control of maximal Chern numbers in a chiral topological semimetal. Science, 2020, 369, 179-183.	6.0	103
144	Signatures of Sixfold Degenerate Exotic Fermions in a Superconducting Metal PdSb₂. Advanced Materials, 2020, 32, e1906046.	11.1	36

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145	Lowâ€dimensional Magnetism and Antiferromagnetic Ordering in the Mixedâ€valence Spinâ€chain Cuprate TlCu 2 O 2. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 308-311.	0.6	0
146	Thickness dependence of the anomalous Nernst effect and the Mott relation of Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml: thin films. Physical Review B, 2020, 101, .	1.1	40
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148	Anomalous and topological Hall effects in epitaxial thin films of the noncollinear antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></mml: Physical Review B, 2020, 101, .	1.1	68
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