

Claudia Felser

List of Publications by Year in descending order

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840
papers

55,383
citations

1457

107
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2233

201
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893
all docs

893
docs citations

893
times ranked

26199
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple rules for the understanding of Heusler compounds. Progress in Solid State Chemistry, 2011, 39, 1-50.	3.9	1,742
2	Topological Materials: Weyl Semimetals. Annual Review of Condensed Matter Physics, 2017, 8, 337-354.	5.2	1,110
3	Spintronics: A Challenge for Materials Science and Solid-State Chemistry. Angewandte Chemie - International Edition, 2007, 46, 668-699.	7.2	963
4	Topological quantum chemistry. Nature, 2017, 547, 298-305.	13.7	947
5	Electronic and magnetic phase diagram of $\hat{\Gamma}^2$ -Fe _{1.01} Se with superconductivity at 36.7 K under pressure. Nature Materials, 2009, 8, 630-633.	13.3	943
6	Extremely large magnetoresistance and ultrahigh mobility in the topological Weyl semimetal candidate NbP. Nature Physics, 2015, 11, 645-649.	6.5	893
7	Beyond Dirac and Weyl fermions: Unconventional quasiparticles in conventional crystals. Science, 2016, 353, aaf5037.	6.0	881
8	Giant anomalous Hall effect in a ferromagnetic kagome-lattice semimetal. Nature Physics, 2018, 14, 1125-1131.	6.5	876
9	Grammatical processing in language learners. Applied Psycholinguistics, 2006, 27, 3-42.	0.8	825
10	Tunable multifunctional topological insulators in ternary Heusler compounds. Nature Materials, 2010, 9, 541-545.	13.3	804
11	Weyl semimetal phase in the non-centrosymmetric compound TaAs. Nature Physics, 2015, 11, 728-732.	6.5	796
12	A complete catalogue of high-quality topological materials. Nature, 2019, 566, 480-485.	13.7	721
13	Calculated electronic and magnetic properties of the half-metallic, transition metal based Heusler compounds. Journal Physics D: Applied Physics, 2007, 40, 1507-1523.	1.3	717
14	Superconductivity in Weyl semimetal candidate MoTe ₂ . Nature Communications, 2016, 7, 11038.	5.8	611
15	Extreme sensitivity of superconductivity to stoichiometry in Fe_3Ge_5 . Physical Review B, 2009, 79, .	1.1	582
16	Large anomalous Hall effect driven by a nonvanishing Berry curvature in the noncolinear antiferromagnet Mn ₃ Ge. Science Advances, 2016, 2, e1501870.	4.7	561
17	Magnetic Weyl semimetal phase in a Kagomé crystal. Science, 2019, 365, 1282-1285.	6.0	518
18	Geometric, electronic, and magnetic structure of Co ₂ FeSi: Curie temperature and magnetic moment measurements and calculations. Physical Review B, 2005, 72, .	1.1	513

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19	Magnetic antiskyrmions above room temperature in tetragonal Heusler materials. Nature, 2017, 548, 561-566.	13.7	513
20	Prediction of Weyl semimetal in orthorhombic MoTe_2 . Physical Review B, 2015, 92, .	5.1	511
21	Tetragonal-to-Orthorhombic Structural Phase Transition at 90ÅK in the Superconductor Fe_{1-x}Se . Physical Review Letters, 2009, 103, 057002.	2.9	441
22	Fermi-arc diversity on surface terminations of the magnetic Weyl semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$. Science, 2019, 365, 1286-1291.	6.0	441
23	Negative magnetoresistance without well-defined chirality in the Weyl semimetal TaP. Nature Communications, 2016, 7, 11615.	5.8	429
24	Realization of Spin Gapless Semiconductors: The Heusler Compound Mn_2CoAl . Physical Review Letters, 2013, 110, 100401.	2.9	417
25	Investigation of Co_2FeSi : The Heusler compound with highest Curie temperature and magnetic moment. Applied Physics Letters, 2006, 88, 032503.	1.5	381
26	Discovery of topological Weyl fermion lines and drumhead surface states in a room temperature magnet. Science, 2019, 365, 1278-1281.	6.0	374
27	Half-Heusler compounds: novel materials for energy and spintronic applications. Semiconductor Science and Technology, 2012, 27, 063001.	1.0	365
28	The multiple directions of antiferromagnetic spintronics. Nature Physics, 2018, 14, 200-203.	6.5	365
29	Signature of type-II Weyl semimetal phase in MoTe_2 . Nature Communications, 2017, 8, 13973.	5.8	358
30	High-mobility band-like charge transport in a semiconducting two-dimensional metal-organic framework. Nature Materials, 2018, 17, 1027-1032.	13.3	341
31	Engineering half-Heusler thermoelectric materials using Zintl chemistry. Nature Reviews Materials, 2016, 1, .	23.3	340
32	Mn_3Ga , a compensated ferrimagnet with high Curie temperature and low magnetic moment for spin torque transfer applications. Applied Physics Letters, 2007, 90, 152504.	1.5	337
33	Direct observation of half-metallicity in the Heusler compound Co_2MnSi . Nature Communications, 2014, 5, 3974.	5.8	333
34	Linear Magnetoresistance Caused by Mobility Fluctuations in n -Doped Cd_3As_2 . Physical Review Letters, 2015, 114, 117201.	2.9	306
35	Properties of the quaternary half-metal-type Heusler alloy $\text{Co}_2\text{Mn}_{1-x}\text{Fe}_x\text{Si}$. Physical Review B, 2006, 74, .	1.1	274
36	How native-like is non-native language processing?. Trends in Cognitive Sciences, 2006, 10, 564-570.	4.0	270

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37	Non-collinear antiferromagnets and the anomalous Hall effect. Europhysics Letters, 2014, 108, 67001.	0.7	270
38	Understanding the trend in the Curie temperatures of Co_2MnSi -based Heusler compounds: <i>ab initio</i> calculations. Physical Review B, 2007, 76, .	1.1	266
39	Covalent bonding and the nature of band gaps in some half-Heusler compounds. Journal Physics D: Applied Physics, 2006, 39, 776-785.	1.3	262
40	Design of compensated ferrimagnetic Heusler alloys for giant tunable exchange bias. Nature Materials, 2015, 14, 679-684.	13.3	250
41	Heusler, Weyl and Berry. Nature Reviews Materials, 2018, 3, 244-256.	23.3	250
42	Topological chiral crystals with helicoid-arc quantum states. Nature, 2019, 567, 500-505.	13.7	249
43	Dysprosium Room-Temperature Ionic Liquids with Strong Luminescence and Response to Magnetic Fields. Angewandte Chemie - International Edition, 2008, 47, 7635-7638.	7.2	246
44	Evolution of the Fermi surface of Weyl semimetals in the transition metal pnictide family. Nature Materials, 2016, 15, 27-31.	13.3	245
45	High-throughput calculations of magnetic topological materials. Nature, 2020, 586, 702-707.	13.7	241
46	Quaternary half-metallic Heusler ferromagnets for spintronics applications. Physical Review B, 2011, 83, .	1.1	237
47	Correlation in the transition-metal-based Heusler compounds Co_2MnSi and Co_2FeSi . Physical Review B, 2006, 73, .	1.1	236
48	Structural, electronic, and magnetic properties of tetragonal Mn_3CoGa : Experiments and first-principles calculations. Physical Review B, 2008, 77, .	1.1	236
49	Design Scheme of New Tetragonal Heusler Compounds for Spin-Transfer Torque Applications and its Experimental Realization. Advanced Materials, 2012, 24, 6283-6287.	11.1	226
50	Experimental signatures of the mixed axial-gravitational anomaly in the Weyl semimetal NbP. Nature, 2017, 547, 324-327.	13.7	222
51	Electronic, structural, and magnetic properties of the half-metallic ferromagnetic quaternary Heusler compounds CoFeMnZ ($Z = \text{Cr, Ni, Pd, Pt}$). Physical Review B, 2011, 83, 045111.	1.1	221
52	A coronene-based semiconducting two-dimensional metal-organic framework with ferromagnetic behavior. Nature Communications, 2018, 9, 2637.	5.8	210
53	Valence electron rules for prediction of half-metallic compensated-ferrimagnetic behaviour of Heusler compounds with complete spin polarization. Journal of Physics Condensed Matter, 2006, 18, 6171-6181.	0.7	209
54	Large negative magnetoresistance effects in $\text{Co}_2\text{Cr}_0.6\text{Fe}_0.4\text{Al}$. Journal of Solid State Chemistry, 2003, 176, 646-651.	1.4	205

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55	Slater-Pauling rule and Curie temperature of Co ₂ -based Heusler compounds. Journal of Applied Physics, 2006, 99, 08J106.	1.1	201
56	New quaternary half metallic material CoFeMnSi. Journal of Applied Physics, 2009, 105, .	1.1	197
57	Strong anisotropic anomalous Hall effect and spin Hall effect in the chiral antiferromagnetic compounds Mn_2PtGa	2.9	182
58	Anomalous Nernst effect beyond the magnetization scaling relation in the ferromagnetic Heusler compound Co ₂ MnGa. NPG Asia Materials, 2019, 11, .	3.8	190
59	Chiral topological semimetal with multifold band crossings and long Fermi arcs. Nature Physics, 2019, 15, 759-765.	6.5	184
60	Large Zero-Field Cooled Exchange-Bias in Bulk Mn_2PtGa	2.9	182
61	Zero-Field Nernst Effect in a Ferromagnetic Kagome Lattice Weyl Semimetal Co ₃ Sn ₂ S ₂ . Advanced Materials, 2019, 31, e1806622.	11.1	180
62	Extremely high magnetoresistance and conductivity in the type-II Weyl semimetals WP ₂ and MoP ₂ . Nature Communications, 2017, 8, 1642.	5.8	178
63	Basics and prospective of magnetic Heusler compounds. APL Materials, 2015, 3, 041518.	2.2	177
64	Double crystallographic groups and their representations on the Bilbao Crystallographic Server. Journal of Applied Crystallography, 2017, 50, 1457-1477.	1.9	177
65	II-V half-Heusler compounds for optoelectronics: <i>Ab initio</i> calculations. Physical Review B, 2010, 81, .	1.1	172
66	Different Look at the Spin State of Co ³⁺ Ions in a CoO ₅ Pyramidal Coordination. Physical Review Letters, 2004, 92, 207402.	2.9	170
67	Weyl Semimetals as Hydrogen Evolution Catalysts. Advanced Materials, 2017, 29, 1606202.	11.1	169
68	Spin-Polarized Current in Noncollinear Antiferromagnets. Physical Review Letters, 2017, 119, 187204.	2.9	168
69	GAPS IN SECOND LANGUAGE SENTENCE PROCESSING. Studies in Second Language Acquisition, 2005, 27, .	1.8	167
70	Heusler Compounds – A Material Class With Exceptional Properties. IEEE Transactions on Magnetics, 2011, 47, 367-373.	1.2	167
71	Strong Intrinsic Spin Hall Effect in the TaAs Family of Weyl Semimetals. Physical Review Letters, 2016, 117, 146403.	2.9	164
72	Thermal and electrical signatures of a hydrodynamic electron fluid in tungsten diphosphide. Nature Communications, 2018, 9, 4093.	5.8	163

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73	Topological insulators and thermoelectric materials. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 91-100.	1.2	162
74	Building blocks of topological quantum chemistry: Elementary band representations. <i>Physical Review B</i> , 2018, 97, .	1.1	160
75	Morphological Structure in Native and Nonnative Language Processing. <i>Language Learning</i> , 2010, 60, 21-43.	1.4	159
76	Topological surface Fermi arcs in the magnetic Weyl semimetal CoS_2 . <i>Physical Review B</i> , 2018, 97, .	1.1	159
77	Substituting the main group element in cobalt-iron based Heusler alloys: $\text{Co}_2\text{FeAl}_{1-x}\text{Six}$. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 1582-1586.	1.3	152
78	A large-energy-gap oxide topological insulator based on the superconductor BaBiO_3 . <i>Nature Physics</i> , 2013, 9, 709-711.	6.5	152
79	Rational design of new materials for spintronics: Co_2FeZ ($Z = \text{Al, Ga, Si, Ge}$). <i>Science and Technology of Advanced Materials</i> , 2008, 9, 014102.	2.8	148
80	Topological states on the gold surface. <i>Nature Communications</i> , 2015, 6, 10167.	5.8	148
81	Axionic charge-density wave in the Weyl semimetal $(\text{TaSe}_4)_2\text{I}$. <i>Nature</i> , 2019, 575, 315-319.	13.7	143
82	Planar Hall effect in the Weyl semimetal GdPtBi . <i>Physical Review B</i> , 2018, 98, .	1.1	141
83	Layer Hall effect in a 2D topological axion antiferromagnet. <i>Nature</i> , 2021, 595, 521-525.	13.7	136
84	Multiple Dirac cones at the surface of the topological metal LaBi . <i>Nature Communications</i> , 2017, 8, 13942.	5.8	135
85	Progress and prospects in magnetic topological materials. <i>Nature</i> , 2022, 603, 41-51.	13.7	133
86	Element-specific magnetic moments from core-absorption magnetic circular dichroism of the doped Heusler alloy $\text{Co}_2\text{Cr}_{0.6}\text{Fe}_{0.4}\text{Al}$. <i>Physical Review B</i> , 2003, 67, .	1.1	132
87	Heusler 4.0: Tunable Materials. <i>Annual Review of Materials Research</i> , 2017, 47, 247-270.	4.3	132
88	Crystal Structure of New Heusler Compounds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 976-981.	0.6	131
89	Dirac-like nodes and effect of spin-orbit coupling in the nonsymmorphic critical semimetals M_2SiS_4 . <i>Physical Review B</i> , 2018, 97, .	1.1	131
90	Electronic structure and spectroscopy of the quaternary Heusler alloy $\text{Co}_2\text{Cr}_{1-x}\text{FexAl}$. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 803-815.	1.3	130

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91	SOME NOTES ON THE SHALLOW STRUCTURE HYPOTHESIS. Studies in Second Language Acquisition, 2018, 40, 693-706.	1.8	129
92	Helicity-dependent photocurrents in the chiral Weyl semimetal RhSi. Science Advances, 2020, 6, eaba0509.	4.7	129
93	Superconductivity in the Heusler family of intermetallics. Physical Review B, 2012, 85, .	1.1	126
94	Anomalous Hall effect in Weyl semimetal half-Heusler compounds RPtBi (R = Gd and Nd). Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9140-9144.	3.3	126
95	Processing wh-dependencies in a second language: a cross-modal priming study. Second Language Research, 2007, 23, 9-36.	1.2	125
96	Synergistic modulation of mobility and thermal conductivity in (Bi,Sb) ₂ Te ₃ towards high thermoelectric performance. Energy and Environmental Science, 2019, 12, 624-630.	15.6	120
97	Magnetism in cubic manganese-rich Heusler compounds. Physical Review B, 2014, 90, .	1.1	119
98	Itinerant half-metallic ferromagnets Co_2		

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109	Electrically tuneable nonlinear anomalous Hall effect in two-dimensional transition-metal dichalcogenides WTe_2 and $MoTe_2$. 2D Materials, 2018, 5, 044001.	2.0	108
110	New Family of Quantum Spin Hall Insulators in Two-dimensional Transition-Metal Halide with Large Nontrivial Band Gaps. Nano Letters, 2015, 15, 7867-7872.	4.5	104
111	Observation and control of maximal Chern numbers in a chiral topological semimetal. Science, 2020, 369, 179-183.	6.0	103
112	Topology of Disconnected Elementary Band Representations. Physical Review Letters, 2018, 120, 266401.	2.9	102
113	Structural characterization of the Co_2FeZ ($Z=Al, Si, Ga, \text{ and } Ge$) Heusler compounds by x-ray diffraction and extended x-ray absorption fine structure spectroscopy. Applied Physics Letters, 2007, 90, 172501.	1.5	101
114	Lanthanide Contraction as a Design Factor for High-Performance Half-Heusler Thermoelectric Materials. Advanced Materials, 2018, 30, e1800881.	11.1	101
115	Lattice Instability and Competing Spin Structures in the Double Perovskite Insulator Sr_2FeOsO_{10} and its Electronic transport properties of electron- and hole-doped semiconducting $Ca_{1-x}Sr_xFeOsO_{10}$	2.8	100
116	Electronic transport properties of electron- and hole-doped semiconducting $Ca_{1-x}Sr_xFeOsO_{10}$ compounds: C_{1-b}	1.1	99
117	Resolving the true band gap of ZrNiSn half-Heusler thermoelectric materials. Materials Horizons, 2015, 2, 68-75.	6.4	99
118	Phase separation in superconducting and antiferromagnetic $Rb_{0.8}Mn_2Sb_2$ by $MAFSS$ bauer spectroscopy. Physical Review B, 2011, 84, .	1.1	98
119	Weyl points in the ferromagnetic Heusler compound Co_2MnAl . Europhysics Letters, 2016, 114, 47005.	0.7	97
120	Efficient Spin Injector Scheme Based on Heusler Materials. Physical Review Letters, 2011, 107, 047202.	2.9	96
121	Switchable magnetic bulk photovoltaic effect in the two-dimensional magnet CrI_3 . Nature Communications, 2019, 10, 3783.	5.8	96
122	Design of magnetic materials: the electronic structure of the ordered, doped Heusler compound $Co_2Cr_{1-x}Fe_xAl$. Journal of Physics Condensed Matter, 2005, 17, 7237-7252.	0.7	95
123	LMTO Band Structure Calculations of $ThCr_2Si_2$ -Type Transition Metal Compounds. Journal of Solid State Chemistry, 1997, 130, 254-265.	1.4	94
124	Large anomalous Nernst effect in thin films of the Weyl semimetal Co_2MnGa . Applied Physics Letters, 2018, 113, .	1.5	92
125	Elliptical Bloch skyrmion chiral twins in an antiskyrmion system. Nature Communications, 2020, 11, 1115.	5.8	92
126	Topological Insulators from a Chemist's Perspective. Angewandte Chemie - International Edition, 2012, 51, 7221-7225.	7.2	91

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127	Mg ₃ (Bi,Sb) ₂ single crystals towards high thermoelectric performance. Energy and Environmental Science, 2020, 13, 1717-1724.	15.6	91
128	Giant Negative Magnetoresistance in GdI ₂ : Prediction and Realization. Journal of Solid State Chemistry, 1999, 147, 19-25.	1.4	90
129	Superconductivity in palladium-based Heusler compounds. Physical Review B, 2009, 79, .	1.1	89
130	Topological Insulators in Ternary Compounds with a Honeycomb Lattice. Physical Review Letters, 2011, 106, 156402.	2.9	89
131	Giant topological longitudinal circular photo-galvanic effect in the chiral multifold semimetal CoSi. Nature Communications, 2021, 12, 154.	5.8	89
132	Robust 2D Topological Insulators in van der Waals Heterostructures. ACS Nano, 2014, 8, 10448-10454.	7.3	88
133	Establishing the carrier scattering phase diagram for ZrNiSn-based half-Heusler thermoelectric materials. Nature Communications, 2020, 11, 3142.	5.8	87
134	Actinide Topological Insulator Materials with Strong Interaction. Science, 2012, 335, 1464-1466.	6.0	85
135	Prediction of Weak Topological Insulators in Layered Semiconductors. Physical Review Letters, 2012, 109, 116406.	2.9	85
136	Graph theory data for topological quantum chemistry. Physical Review E, 2017, 96, 023310.	0.8	84
137	40 years of the quantum Hall effect. Nature Reviews Physics, 2020, 2, 397-401.	11.9	84
138	Topological thermoelectrics. APL Materials, 2020, 8, .	2.2	84
139	All topological bands of all nonmagnetic stoichiometric materials. Science, 2022, 376, eabg9094.	6.0	84
140	Electronic structure, magnetism and disorder in the Heusler compound Co ₂ TiSn. Journal Physics D: Applied Physics, 2007, 40, 1587-1592.	1.3	83
141	Electrical and Optical Properties of Sb-Doped BaSnO ₃ . Chemistry of Materials, 2013, 25, 3858-3866.	3.2	83
142	Large Magnetization and Reversible Magnetocaloric Effect at the Second-Order Magnetic Transition in Heusler Materials. Advanced Materials, 2016, 28, 3321-3325.	11.1	83
143	Chiral Weyl Pockets and Fermi Surface Topology of the Weyl Semimetal TaAs. Physical Review Letters, 2016, 117, 146401.	2.9	83
144	Observation of pseudo-two-dimensional electron transport in the rock salt-type topological semimetal LaBi. Physical Review B, 2016, 93, .	1.1	83

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145	Visualizing weakly bound surface Fermi arcs and their correspondence to bulk Weyl fermions. <i>Science Advances</i> , 2016, 2, e1600709.	4.7	83
146	Dirac dispersion generates unusually large Nernst effect in Weyl semimetals. <i>Physical Review B</i> , 2018, 97, .	1.1	83
147	Seebeck coefficients of half-metallic ferromagnets. <i>Solid State Communications</i> , 2010, 150, 529-532.	0.9	82
148	Magnetic and electronic properties of double perovskites and estimation of their Curie temperatures by <i>ab initio</i> calculations. <i>Physical Review B</i> , 2008, 78, .	1.1	81
149	Enhancing Thermoelectric Performance of TiNiSn Half-Heusler Compounds via Modulation Doping. <i>Chemistry of Materials</i> , 2017, 29, 7042-7048.	3.2	81
150	Topological Engineering of Pt-Group Metal-Based Chiral Crystals toward High-Efficiency Hydrogen Evolution Catalysts. <i>Advanced Materials</i> , 2020, 32, e1908518.	11.1	81
151	The topology of electronic band structures. <i>Nature Materials</i> , 2021, 20, 293-300.	13.3	81
152	FAIR data enabling new horizons for materials research. <i>Nature</i> , 2022, 604, 635-642.	13.7	81
153	Electronic properties of ZrTe ₃ . <i>Journal of Materials Chemistry</i> , 1998, 8, 1787-1798.	6.7	80
154	Electronic structures and instabilities of ZrNCl and HfNCl: implications for superconductivity in the doped compounds. <i>Journal of Materials Chemistry</i> , 1999, 9, 459-464.	6.7	80
155	Huge quadratic magneto-optical Kerr effect and magnetization reversal in the Co ₂ FeSi Heusler compound. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 1563-1569.	1.3	79
156	Berry curvature and the anomalous Hall effect in Heusler compounds. <i>Physical Review B</i> , 2012, 85, .	1.1	79
157	Electronic structure and transport properties of the Heusler compound Co ₂ TiAl. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 084003.	1.3	78
158	Antecedent Priming at Trace Positions in Children's Sentence Processing. <i>Journal of Psycholinguistic Research</i> , 2007, 36, 175-188.	0.7	77
159	Magnetism in tetragonal manganese-rich Heusler compounds. <i>Physical Review B</i> , 2015, 92, .	1.1	77
160	Photogalvanic effect in Weyl semimetals from first principles. <i>Physical Review B</i> , 2018, 97, .	1.1	77
161	A charge-density-wave topological semimetal. <i>Nature Physics</i> , 2021, 17, 381-387.	6.5	76
162	Electronic structure studies of BaFe ₂ As ₂ by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2009, 79, .	1.1	75

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163	Metal-insulator transition and the anomalous Hall effect in the layered magnetic materials VS ₂ and VSe ₂ . New Journal of Physics, 2016, 18, 113038.	1.2	75
164	Prediction of Triple Point Fermions in Simple Half-Heusler Topological Insulators. Physical Review Letters, 2017, 119, 136401.	2.9	75
165	Prediction of a magnetic Weyl semimetal without spin-orbit coupling and strong anomalous Hall effect in the Heusler compensated ferrimagnet $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Ti} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Ge} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Mn} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Ga} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Co} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Ga}$. Physical Review B, 2018, 97, .	1.1	74
166	From Colossal to Zero: Controlling the Anomalous Hall Effect in Magnetic Heusler Compounds via Berry Curvature Design. Physical Review X, 2018, 8, .	2.8	74
167	Axion physics in condensed-matter systems. Nature Reviews Physics, 2020, 2, 682-696.	11.9	74
168	Epitaxial film growth and magnetic properties of Co ₂ FeSi. Physical Review B, 2006, 74, .	1.1	73
169	The metal-insulator transition in Fe _{1.01} Cu _x Se. Journal of Physics Condensed Matter, 2009, 21, 305701.	0.7	73
170	Berry curvature unravelled by the anomalous Nernst effect in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Mn} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Ge}$. Physical Review B, 2019, 100, .	1.1	73
171	Tailoring the electronic structure of half-metallic Heusler alloys. Physical Review B, 2009, 80, .	1.1	72
172	Tuning the magnetism of the Heusler alloys Mn ₃ Co _x Ga from soft and half-metallic to hard-magnetic for spin-transfer torque applications. Applied Physics Letters, 2011, 99, 222510.	1.5	72
173	Direct measurements of the magnetocaloric effect in pulsed magnetic fields: The example of the Heusler alloy Ni ₅₀ Mn ₃₅ In ₁₅ . Applied Physics Letters, 2015, 106, .	1.5	72
174	Termination layer compensated tunnelling magnetoresistance in ferrimagnetic Heusler compounds with high perpendicular magnetic anisotropy. Nature Communications, 2016, 7, 10276.	5.8	72
175	Departure from the Wiedemann-Franz law in WP ₂ driven by mismatch in T-square resistivity prefactors. Npj Quantum Materials, 2018, 3, .	1.8	72
176	Imaging phonon-mediated hydrodynamic flow in WTe ₂ . Nature Physics, 2021, 17, 1216-1220.	6.5	72
177	Giant anomalous Nernst signal in the antiferromagnet YbMnBi ₂ . Nature Materials, 2022, 21, 203-209.	13.3	72
178	Thermoelectric properties of spark plasma sintered composites based on TiNiSn half-Heusler alloys. Journal of Materials Research, 2011, 26, 1919-1924.	1.2	71
179	Chiral magnetoresistance in the Weyl semimetal NbP. Scientific Reports, 2017, 7, 43394.	1.6	71
180	Topological Quantum Materials from the Viewpoint of Chemistry. Chemical Reviews, 2021, 121, 2780-2815.	23.0	70

#	ARTICLE	IF	CITATIONS
181	Supraleitung in Seltenerdmetall-Carbidhalogeniden des Typs SE ₂ X ₂ C ₂ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1996, 622, 123-137.	0.6	69
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