Claudia Felser

List of Publications by Year
in descending order

840 papers	55,383 citations	1371 108 h-index	2243 201 g-index
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.	7.2	1,742
2	Topological Materials: Weyl Semimetals. Annual Review of Condensed Matter Physics, 2017, 8, 337-354.	14.5	1,110
3	Spintronics: A Challenge for Materials Science and Solid-State Chemistry. Angewandte Chemie - International Edition, 2007, 46, 668-699.	13.8	963
4	Topological quantum chemistry. Nature, 2017, 547, 298-305.	27.8	947
5	Electronic and magnetic phase diagram of Î²-Fe1.01Se with superconductivity at 36.7â€‰K underÂpressure. Nature Materials, 2009, 8, 630-633.	27.5	943
6	Extremely large magnetoresistance and ultrahigh mobility in the topological Weyl semimetal candidate NbP. Nature Physics, 2015, 11, 645-649.	16.7	893
7	Beyond Dirac and Weyl fermions: Unconventional quasiparticles in conventional crystals. Science, 2016, 353, aaf5037.	12.6	881
8	Giant anomalous Hall effect in a ferromagnetic kagome-lattice semimetal. Nature Physics, 2018, 14, 1125-1131.	16.7	876
9	Grammatical processing in language learners. Applied Psycholinguistics, 2006, 27, 3-42.	1.1	825
10	Tunable multifunctional topological insulators in ternary Heusler compounds. Nature Materials, 2010, 9, 541-545.	27.5	804
11	Weyl semimetal phase in the non-centrosymmetric compound TaAs. Nature Physics, 2015, 11, 728-732.	16.7	796
12	A complete catalogue of high-quality topological materials. Nature, 2019, 566, 480-485.	27.8	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.	2.8	717
14	Superconductivity in Weyl semimetal candidate MoTe2. Nature Communications, 2016, 7, 11038.	12.8	611
15	Extreme sensitivity of superconductivity to stoichiometry in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mn> Physical Review B, 2009, 79, .	3.2	582
16	Large anomalous Hall effect driven by a nonvanishing Berry curvature in the noncolinear antiferromagnet Mn ₃ Ge. Science Advances, 2016, 2, e1501870.	10.3	561
17	Magnetic Weyl semimetal phase in a KagomÃ© crystal. Science, 2019, 365, 1282-1285.	12.6	518
18	Geometric, electronic, and magnetic structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>FeSi</mml:mi></mml: Curie temperature and magnetic moment measurements and calculations. Physical Review B, 2005, 72, .	3.2	513

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19	Magnetic antiskyrmions above room temperature in tetragonal Heusler materials. Nature, 2017, 548, 561-566.	27.8	513
20	Prediction of Weyl semimetal in orthorhombic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoTe</mml:mi><mml:mn>2</mml:mn></mml:msub></m Physical Review B, 2015, 92, .	3.2	511
21	Tetragonal-to-Orthorhombic Structural Phase Transition at 90ÂK in the Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Fe</mml:mi><mml:mn>1.01</mml:mn></mml:msub><mml:mi>Se</mml:mi></mml:math>. Physical Review Letters, 2009, 103, 057002.	7.8	441
22	Fermi-arc diversity on surface terminations of the magnetic Weyl semimetal Co ₃ Sn ₂ S ₂. Science, 2019, 365, 1286-1291.	12.6	441
23	Negative magnetoresistance without well-defined chirality in the Weyl semimetal TaP. Nature Communications, 2016, 7, 11615.	12.8	429
24	Realization of Spin Gapless Semiconductors: The Heusler Compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Mn</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>CoAl</mml:mi></mml:math>. Physical Review Letters, 2013, 110, 100401.	7.8	417
25	Investigation of Co2FeSi: The Heusler compound with highest Curie temperature and magnetic moment. Applied Physics Letters, 2006, 88, 032503.	3.3	381
26	Discovery of topological Weyl fermion lines and drumhead surface states in a room temperature magnet. Science, 2019, 365, 1278-1281.	12.6	374
27	Half-Heusler compounds: novel materials for energy and spintronic applications. Semiconductor Science and Technology, 2012, 27, 063001.	2.0	365
28	The multiple directions of antiferromagnetic spintronics. Nature Physics, 2018, 14, 200-203.	16.7	365
29	Signature of type-II Weyl semimetal phase in MoTe2. Nature Communications, 2017, 8, 13973.	12.8	358
30	High-mobility band-like charge transport in a semiconducting two-dimensional metalâ€“organic framework. Nature Materials, 2018, 17, 1027-1032.	27.5	341
31	Engineering half-Heusler thermoelectric materials using Zintl chemistry. Nature Reviews Materials, 2016, 1, .	48.7	340
32	Mn3Ga, a compensated ferrimagnet with high Curie temperature and low magnetic moment for spin torque transfer applications. Applied Physics Letters, 2007, 90, 152504.	3.3	337
33	Direct observation of half-metallicity in the Heusler compound Co2MnSi. Nature Communications, 2014, 5, 3974.	12.8	333
34	Linear Magnetoresistance Caused by Mobility Fluctuations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math>-Doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Cd</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mr Physical Review Letters, 2015, 114, 117201.	7.8	306
35	Properties of the quaternary half-metal-type Heusler alloyCo2Mn1â^'xFexSi. Physical Review B, 2006, 74, .	3.2	274
36	How native-like is non-native language processing?. Trends in Cognitive Sciences, 2006, 10, 564-570.	7.8	270

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37	Non-collinear antiferromagnets and the anomalous Hall effect. Europhysics Letters, 2014, 108, 67001.	2.0	270
38	Understanding the trend in the Curie temperatures of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>-based Heusler compounds:Ab initiocalculations. Physical Review B, 2007, 76, .	3.2	266
39	Covalent bonding and the nature of band gaps in some half-Heusler compounds. Journal Physics D: Applied Physics, 2006, 39, 776-785.	2.8	262
40	Design of compensated ferrimagnetic Heusler alloys for giant tunable exchange bias. Nature Materials, 2015, 14, 679-684.	27.5	250
41	Heusler, Weyl and Berry. Nature Reviews Materials, 2018, 3, 244-256.	48.7	250
42	Topological chiral crystals with helicoid-arc quantum states. Nature, 2019, 567, 500-505.	27.8	249
43	Dysprosium Roomâ€Temperature Ionic Liquids with Strong Luminescence and Response to Magnetic Fields. Angewandte Chemie - International Edition, 2008, 47, 7635-7638.	13.8	246
44	Evolution of the Fermi surface of Weyl semimetals in the transition metal pnictide family. Nature Materials, 2016, 15, 27-31.	27.5	245
45	High-throughput calculations of magnetic topological materials. Nature, 2020, 586, 702-707.	27.8	241
46	Quaternary half-metallic Heusler ferromagnets for spintronics applications. Physical Review B, 2011, 83, .	3.2	237
47	Correlation in the transition-metal-based Heusler compoundsCo2MnSiandCo2FeSi. Physical Review B, 2006, 73, .	3.2	236
48	Structural, electronic, and magnetic properties of tetragonal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">Ga</mml:mi></mml:mrow></mml:math>: Experiments and first-principles calculations. Physical Review B, 2008, 77, .	3.2	235
49	Design Scheme of New Tetragonal Heusler Compounds for Spinâ€Transfer Torque Applications and its Experimental Realization. Advanced Materials, 2012, 24, 6283-6287.	21.0	226
50	Experimental signatures of the mixed axialâ€“gravitational anomaly in the Weyl semimetal NbP. Nature, 2017, 547, 324-327.	27.8	222
51	Electronic, structural, and magnetic properties of the half-metallic ferromagnetic quaternary Heusler compounds CoFeMn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Z</mml:mi></mml:math>(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182 Td (xmlns:mml="ht	3.2	221
52	A coronene-based semiconducting two-dimensional metal-organic framework with ferromagnetic behavior. Nature Communications, 2018, 9, 2637.	12.8	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.	1.8	209
54	Large negative magnetoresistance effects in Co2Cr0.6Fe0.4Al. Journal of Solid State Chemistry, 2003, 176, 646-651.	2.9	205

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55	Slater-Pauling rule and Curie temperature of Co2-based Heusler compounds. Journal of Applied Physics, 2006, 99, 08J106.	2.5	201
56	New quarternary half metallic material CoFeMnSi. Journal of Applied Physics, 2009, 105, .	2.5	197
57	Strong anisotropic anomalous Hall effect and spin Hall effect in the chiral antiferromagnetic compounds<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:msub></mml:mrow></mml	3.2	197
58	Anomalous Nernst effect beyond the magnetization scaling relation in the ferromagnetic Heusler compound Co2MnGa. NPG Asia Materials, 2019, 11, .	7.9	190
59	Chiral topological semimetal with multifold band crossings and long Fermi arcs. Nature Physics, 2019, 15, 759-765.	16.7	184
60	Large Zero-Field Cooled Exchange-Bias in Bulk<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Mn</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>PtGa</mml:mi></mml:math>. Physical Review Letters, 2013, 110, 127204.	7.8	182
61	Zeroâ€Field Nernst Effect in a Ferromagnetic Kagomeâ€Lattice Weylâ€Semimetal Co₃Sn₂S₂. Advanced Materials, 2019, 31, e1806622.	21.0	180
62	Extremely high magnetoresistance and conductivity in the type-II Weyl semimetals WP2 and MoP2. Nature Communications, 2017, 8, 1642.	12.8	178
63	Basics and prospective of magnetic Heusler compounds. APL Materials, 2015, 3, 041518.	5.1	177
64	Double crystallographic groups and their representations on the Bilbao Crystallographic Server. Journal of Applied Crystallography, 2017, 50, 1457-1477.	4.5	177
65	I-II-V half-Heusler compounds for optoelectronics:Ab initiocalculations. Physical Review B, 2010, 81, .	3.2	172
66	Different Look at the Spin State ofCo3+Ions in aCoO5Pyramidal Coordination. Physical Review Letters, 2004, 92, 207402.	7.8	170
67	Weyl Semimetals as Hydrogen Evolution Catalysts. Advanced Materials, 2017, 29, 1606202.	21.0	169
68	Spin-Polarized Current in Noncollinear Antiferromagnets. Physical Review Letters, 2017, 119, 187204.	7.8	168
69	GAPS IN SECOND LANGUAGE SENTENCE PROCESSING. Studies in Second Language Acquisition, 2005, 27, .	2.6	167
70	Heusler Compoundsâ€”A Material Class With Exceptional Properties. IEEE Transactions on Magnetics, 2011, 47, 367-373.	2.1	167
71	Strong Intrinsic Spin Hall Effect in the TaAs Family of Weyl Semimetals. Physical Review Letters, 2016, 117, 146403.	7.8	164
72	Thermal and electrical signatures of a hydrodynamic electron fluid in tungsten diphosphide. Nature Communications, 2018, 9, 4093.	12.8	163

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73	Topological insulators and thermoelectric materials. Physica Status Solidi - Rapid Research Letters, 2013, 7, 91-100.	2.4	162
74	Building blocks of topological quantum chemistry: Elementary band representations. Physical Review B, 2018, 97, .	3.2	160
75	Morphological Structure in Native and Nonnative Language Processing. Language Learning, 2010, 60, 21-43.	2.7	159
76	Topological surface Fermi arcs 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>3</mml:mn></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:mrow></mml:math>. Physical Review B, 2018, 97, .	3.2	159
77	Substituting the main group element in cobaltâ€“iron based Heusler alloys: Co2FeAl1â^'xSix. Journal Physics D: Applied Physics, 2007, 40, 1582-1586.	2.8	152
78	A large-energy-gap oxide topological insulator based on the superconductor BaBiO3. Nature Physics, 2013, 9, 709-711.	16.7	152
79	Rational design of new materials for spintronics: Co₂FeZ (Z=Al, Ga, Si, Ge). Science and Technology of Advanced Materials, 2008, 9, 014102.	6.1	148
80	Topological states on the gold surface. Nature Communications, 2015, 6, 10167.	12.8	148
81	Axionic charge-density wave in the Weyl semimetal (TaSe4)2I. Nature, 2019, 575, 315-319.	27.8	143
82	Planar Hall effect in the Weyl semimetal GdPtBi. Physical Review B, 2018, 98, .	3.2	141
83	Layer Hall effect in a 2D topological axion antiferromagnet. Nature, 2021, 595, 521-525.	27.8	136
84	Multiple Dirac cones at the surface of the topological metal LaBi. Nature Communications, 2017, 8, 13942.	12.8	135
85	Progress and prospects in magnetic topological materials. Nature, 2022, 603, 41-51.	27.8	133
86	Element-specific magnetic moments from core-absorption magnetic circular dichroism of the doped Heusler alloyCo2Cr0.6Fe0.4Al. Physical Review B, 2003, 67, .	3.2	132
87	Heusler 4.0: Tunable Materials. Annual Review of Materials Research, 2017, 47, 247-270.	9.3	132
88	Crystal Structure of New Heusler Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 976-981.	1.2	131
89	Dirac line nodes and effect of spin-orbit coupling in the nonsymmorphic critical semimetals <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>M</mml:mi><mml:mi>SiS</mml:mi><mml:mspace width="0.16em" /><mml:mo>(</mml:mo><mml:mi>M</mml:mi><mml:mo>=</mml:mo><mml:mi>Hf</mml:mi><mml:mo>,</mml:mo><mml:mspace)	3.2	131
90	Electronic structure and spectroscopy of the quaternary Heusler alloy Co2Cr1â^'xFexAl. Journal Physics D: Applied Physics, 2006, 39, 803-815.	2.8	130

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91	SOME NOTES ON THE SHALLOW STRUCTURE HYPOTHESIS. Studies in Second Language Acquisition, 2018, 40, 693-706.	2.6	129
92	Helicity-dependent photocurrents in the chiral Weyl semimetal RhSi. Science Advances, 2020, 6, eaba0509.	10.3	129
93	Superconductivity in the Heusler family of intermetallics. Physical Review B, 2012, 85, .	3.2	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.	7.1	126
95	Processing wh-dependencies in a second language: a cross-modal priming study. Second Language Research, 2007, 23, 9-36.	2.0	125
96	Synergistic modulation of mobility and thermal conductivity in (Bi,Sb)₂Te₃ towards high thermoelectric performance. Energy and Environmental Science, 2019, 12, 624-630.	30.8	120
97	Magnetism in cubic manganese-rich Heusler compounds. Physical Review B, 2014, 90, .	3.2	119
98	Itinerant half-metallic ferromagnets<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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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.	4.4	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.	9.1	104
111	Observation and control of maximal Chern numbers in a chiral topological semimetal. Science, 2020, 369, 179-183.	12.6	103
112	Topology of Disconnected Elementary Band Representations. Physical Review Letters, 2018, 120, 266401.	7.8	102
113	Structural characterization of the Co2FeZ (Z=Al, Si, Ga, and Ge) Heusler compounds by x-ray diffraction and extended x-ray absorption fine structure spectroscopy. Applied Physics Letters, 2007, 90, 172501.	3.3	101
114	Lanthanide Contraction as a Design Factor for Highâ€Performance Halfâ€Heusler Thermoelectric Materials. Advanced Materials, 2018, 30, e1800881.	21.0	101
115	Lattice Instability and Competing Spin Structures in the Double Perovskite Insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>FeOsO</mml:mi><mml:mn	7.8	100
116	Electronic transport properties of electron- and hole-doped semiconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>C</mml:mi><mml:msub><mml:mn>1</mml:mn><mml:mi>b</mml:mi></mml:msub></mml:mro compounds:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>NiTi</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:m	3.2	99
117	Physical Review B, 2010, 82, . Resolving the true band gap of ZrNiSn half-Heusler thermoelectric materials. Materials Horizons, 2015, 2, 68-75.	12.2	99
118	Phase separation in superconducting and antiferromagnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>Rb</mml:mi><mml:mrow><mml:mn>0.8</mml:mn></mml:mrow></mml:msub><m by MÃ¶ssbauer spectroscopy. Physical Review B, 2011, 84, .	3.2	98
119	Weyl points in the ferromagnetic Heusler compound Co ₂ MnAl. Europhysics Letters, 2016, 114, 47005.	2.0	97
120	Efficient Spin Injector Scheme Based on Heusler Materials. Physical Review Letters, 2011, 107, 047202.	7.8	96
121	Switchable magnetic bulk photovoltaic effect in the two-dimensional magnet CrI3. Nature Communications, 2019, 10, 3783.	12.8	96
122	Design of magnetic materials: the electronic structure of the ordered, doped Heusler compound Co2Cr1â^'xFexAl. Journal of Physics Condensed Matter, 2005, 17, 7237-7252.	1.8	95
123	LMTO Band Structure Calculations of ThCr2Si2-Type Transition Metal Compounds. Journal of Solid State Chemistry, 1997, 130, 254-265.	2.9	94
124	Large anomalous Nernst effect in thin films of the Weyl semimetal Co2MnGa. Applied Physics Letters, 2018, 113, .	3.3	92
125	Elliptical Bloch skyrmion chiral twins in an antiskyrmion system. Nature Communications, 2020, 11, 1115.	12.8	92
126	Topological Insulators from a Chemistâ€™s Perspective. Angewandte Chemie - International Edition, 2012, 51, 7221-7225.	13.8	91

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127	Mg₃(Bi,Sb)₂ single crystals towards high thermoelectric performance. Energy and Environmental Science, 2020, 13, 1717-1724.	30.8	91
128	Giant Negative Magnetoresistance in GdI2: Prediction and Realization. Journal of Solid State Chemistry, 1999, 147, 19-25.	2.9	90
129	Superconductivity in palladium-based Heusler compounds. Physical Review B, 2009, 79, .	3.2	89
130	Topological Insulators in Ternary Compounds with a Honeycomb Lattice. Physical Review Letters, 2011, 106, 156402.	7.8	89
131	Giant topological longitudinal circular photo-galvanic effect in the chiral multifold semimetal CoSi. Nature Communications, 2021, 12, 154.	12.8	89
132	Robust 2D Topological Insulators in van der Waals Heterostructures. ACS Nano, 2014, 8, 10448-10454.	14.6	88
133	Establishing the carrier scattering phase diagram for ZrNiSn-based half-Heusler thermoelectric materials. Nature Communications, 2020, 11, 3142.	12.8	87
134	Actinide Topological Insulator Materials with Strong Interaction. Science, 2012, 335, 1464-1466.	12.6	85
135	Prediction of Weak Topological Insulators in Layered Semiconductors. Physical Review Letters, 2012, 109, 116406.	7.8	85
136	Graph theory data for topological quantum chemistry. Physical Review E, 2017, 96, 023310.	2.1	84
137	40 years of the quantum Hall effect. Nature Reviews Physics, 2020, 2, 397-401.	26.6	84
138	Topological thermoelectrics. APL Materials, 2020, 8, .	5.1	84
139	All topological bands of all nonmagnetic stoichiometric materials. Science, 2022, 376, eabg9094.	12.6	84
140	Electronic structure, magnetism and disorder in the Heusler compound Co2TiSn. Journal Physics D: Applied Physics, 2007, 40, 1587-1592.	2.8	83
141	Electrical and Optical Properties of Sb-Doped BaSnO₃. Chemistry of Materials, 2013, 25, 3858-3866.	6.7	83
142	Large Magnetization and Reversible Magnetocaloric Effect at the Secondâ€Order Magnetic Transition in Heusler Materials. Advanced Materials, 2016, 28, 3321-3325.	21.0	83
143	Chiral Weyl Pockets and Fermi Surface Topology of the Weyl Semimetal TaAs. Physical Review Letters, 2016, 117, 146401.	7.8	83
144	Observation of pseudo-two-dimensional electron transport in the rock salt-type topological semimetal LaBi. Physical Review B, 2016, 93, .	3.2	83

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145	Visualizing weakly bound surface Fermi arcs and their correspondence to bulk Weyl fermions. Science Advances, 2016, 2, e1600709.	10.3	83
146	Dirac dispersion generates unusually large Nernst effect in Weyl semimetals. Physical Review B, 2018, 97, .	3.2	83
147	Seebeck coefficients of half-metallic ferromagnets. Solid State Communications, 2010, 150, 529-532.	1.9	82
148	Magnetic and electronic properties of double perovskites and estimation of their Curie temperatures byab initiocalculations. Physical Review B, 2008, 78, .	3.2	81
149	Enhancing Thermoelectric Performance of TiNiSn Half-Heusler Compounds via Modulation Doping. Chemistry of Materials, 2017, 29, 7042-7048.	6.7	81
150	Topological Engineering of Ptâ€Groupâ€Metalâ€Based Chiral Crystals toward Highâ€Efficiency Hydrogen Evolution Catalysts. Advanced Materials, 2020, 32, e1908518.	21.0	81
151	The topology of electronic band structures. Nature Materials, 2021, 20, 293-300.	27.5	81
152	FAIR data enabling new horizons for materials research. Nature, 2022, 604, 635-642.	27.8	81
153	Electronic properties of ZrTe3. Journal of Materials Chemistry, 1998, 8, 1787-1798.	6.7	80
154	Electronic structures and instabilities of ZrNCl and HfNCl: implications for superconductivity in the doped compounds. Journal of Materials Chemistry, 1999, 9, 459-464.	6.7	80
155	Huge quadratic magneto-optical Kerr effect and magnetization reversal in the Co2FeSi Heusler compound. Journal Physics D: Applied Physics, 2007, 40, 1563-1569.	2.8	79
156	Berry curvature and the anomalous Hall effect in Heusler compounds. Physical Review B, 2012, 85, .	3.2	79
157	Electronic structure and transport properties of the Heusler compound Co₂TiAl. Journal Physics D: Applied Physics, 2009, 42, 084003.	2.8	78
158	Antecedent Priming at Trace Positions in Childrenâ€™s Sentence Processing. Journal of Psycholinguistic Research, 2007, 36, 175-188.	1.3	77
159	Magnetism in tetragonal manganese-rich Heusler compounds. Physical Review B, 2015, 92, .	3.2	77
160	Photogalvanic effect in Weyl semimetals from first principles. Physical Review B, 2018, 97, .	3.2	77
161	A charge-density-wave topological semimetal. Nature Physics, 2021, 17, 381-387.	16.7	76
162	Electronic structure studies ofBaFe2As2by angle-resolved photoemission spectroscopy. Physical Review B, 2009, 79, .	3.2	75

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163	Metal-insulator transition and the anomalous Hall effect in the layered magnetic materials VS₂ and VSe₂. New Journal of Physics, 2016, 18, 113038.	2.9	75
164	Prediction of Triple Point Fermions in Simple Half-Heusler Topological Insulators. Physical Review Letters, 2017, 119, 136401.	7.8	75
165	Prediction of a magnetic Weyl semimetal without spin-orbit coupling and strong anomalous Hall effect in the Heusler compensated ferrimagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ti</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 97, .	3.2	74
166	From Colossal to Zero: Controlling the Anomalous Hall Effect in Magnetic Heusler Compounds via Berry Curvature Design. Physical Review X, 2018, 8, .	8.9	74
167	Axion physics in condensed-matter systems. Nature Reviews Physics, 2020, 2, 682-696.	26.6	74
168	Epitaxial film growth and magnetic properties ofCo2FeSi. Physical Review B, 2006, 74, .	3.2	73
169	The metalâ€“insulator transition in Fe_{1.01â^'x}Cu_xSe. Journal of Physics Condensed Matter, 2009, 21, 305701.	1.8	73
170	Berry curvature unravelled by the anomalous Nernst effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Ge</mml:mi></mml:math>. Physical Review B, 2019, 100, .	3.2	73
171	Tailoring the electronic structure of half-metallic Heusler alloys. Physical Review B, 2009, 80, .	3.2	72
172	Tuning the magnetism of the Heusler alloys Mn_{3â^'}_xCo_xGa from soft and half-metallic to hard-magnetic for spin-transfer torque applications. Applied Physics Letters, 2011, 99, 222510.	3.3	72
173	Direct measurements of the magnetocaloric effect in pulsed magnetic fields: The example of the Heusler alloy Ni50Mn35In15. Applied Physics Letters, 2015, 106, .	3.3	72
174	Termination layer compensated tunnelling magnetoresistance in ferrimagnetic Heusler compounds with high perpendicular magnetic anisotropy. Nature Communications, 2016, 7, 10276.	12.8	72
175	Departure from the Wiedemannâ€“Franz law in WP2 driven by mismatch in T-square resistivity prefactors. Npj Quantum Materials, 2018, 3, .	5.2	72
176	Imaging phonon-mediated hydrodynamic flow in WTe2. Nature Physics, 2021, 17, 1216-1220.	16.7	72
177	Giant anomalous Nernst signal in the antiferromagnet YbMnBi2. Nature Materials, 2022, 21, 203-209.	27.5	72
178	Thermoelectric properties of spark plasma sintered composites based on TiNiSn half-Heusler alloys. Journal of Materials Research, 2011, 26, 1919-1924.	2.6	71
179	Chiral magnetoresistance in the Weyl semimetal NbP. Scientific Reports, 2017, 7, 43394.	3.3	71
180	Topological Quantum Materials from the Viewpoint of Chemistry. Chemical Reviews, 2021, 121, 2780-2815.	47.7	70

#	Article	IF	Citations
181	Supraleitung in Seltenerdmetall-Carbidhalogeniden des Typs SE2X2C2. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1996, 622, 123-137.	1.2	69
182	Synergistically creating sulfur vacancies in semimetal-supported amorphous MoS2 for efficient hydrogen evolution. Applied Catalysis B: Environmental, 2019, 254, 1-6.	20.2	69
183	Metalâˆ'Metal Bonding and Metallic Behavior in Some ABO2Delafossites. Chemistry of Materials, 1998, 10, 2189-2196.	6.7	68
184	Magnetic and structural properties of the double-perovskite Ca2FeReO6. Solid State Communications, 2002, 122, 201-206.	1.9	68
185	Iron-based Heusler compounds Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Y</mml:mi><mml:mi>Z</mml:mi></mml:mrow></mml:math>: Comparison with theoretical predictions of the crystal structure and magnetic properties. Physical Review B, 2013, 87, .	3.2	68
186	Synthesis, Crystal Structure, and Physical Properties of Sr₂FeOsO₆. Inorganic Chemistry, 2013, 52, 6713-6719.	4.0	68
187	New Mn₂â€based Heusler Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 738-752.	1.2	68
188	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, .	3.2	68
189	First-principles study of the structural stability of cubic, tetragonal and hexagonal phases in Mn₃Z (Z=Ga, Sn and Ge) Heusler compounds. Journal of Physics Condensed Matter, 2013, 25, 206006.	1.8	67
190	Pressure-induced superconductivity up to 13.1 K in the pyrite phase of palladium diselenide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>PdS</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2017, 96, .	3.2	66
191	Thickness dependence of the anomalous Hall effect in thin films of the topological 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 Physical Review B, 2019, 100, .	3.2	66
192	Demonstration of valley anisotropy utilized to enhance the thermoelectric power factor. Nature Communications, 2021, 12, 5408.	12.8	66
193	Topological materials discovery from crystal symmetry. Nature Reviews Materials, 2022, 7, 196-216.	48.7	65
194	Catalogue of flat-band stoichiometric materials. Nature, 2022, 603, 824-828.	27.8	65
195	Spin polarization of magnetoresistive materials by point contact spectroscopy. Physical Review B, 2003, 68, .	3.2	64
196	Quantum oscillations and the Fermi surface topology of the Weyl semimetal NbP. Physical Review B, 2016, 93, .	3.2	64
197	Half-metallic ferromagnetism with high magnetic moment and high Curie temperature in Co2FeSi. Journal of Applied Physics, 2006, 99, 08J103.	2.5	63
198	Structural and magnetic properties of Co2FeAl1âˆ'xSix. Applied Physics Letters, 2007, 90, 242503.	3.3	63

#	Article	IF	Citations
199	Exploring Co2MnAl Heusler compound for anomalous Hall effect sensors. Applied Physics Letters, 2011, 99, .	3.3	63
200	Fine tuning of thermoelectric performance in phase-separated half-Heusler compounds. Journal of Materials Chemistry C, 2015, 3, 10409-10414.	5.5	62
201	The Role of Ionized Impurity Scattering on the Thermoelectric Performances of Rock Salt AgPb_mSnSe₂₊_m. Advanced Functional Materials, 2016, 26, 5149-5157.	14.9	62
202	Elastic properties and stability of Heusler compounds: Cubic Co2YZ compounds with L21 structure. Journal of Applied Physics, 2019, 125, .	2.5	62
203	Field dependence of orbital magnetic moments in the Heusler compounds Co2FeAl and Co2Cr0.6Fe0.4Al. Applied Physics A: Materials Science and Processing, 2004, 79, 557-563.	2.3	61
204	Topological insulators in filled skutterudites. Physical Review B, 2012, 85, .	3.2	61
205	A combined experimental and theoretical study of the structural, electronic and vibrational properties of bulk and few-layer Td-WTe₂. Journal of Physics Condensed Matter, 2015, 27, 285401.	1.8	61
206	Crystal and electronic structures of ScAuGe, CeAuGe, and LuAuGe: a transition from two- to three-dimensional [AuGe] polyanions. Journal of Alloys and Compounds, 1996, 235, 170-175.	5.5	60
207	Investigation of a novel material for magnetoelectronics: Co2Cr0.6Fe0.4Al. Journal of Physics Condensed Matter, 2003, 15, 7019-7027.	1.8	60
208	A nondestructive analysis of the B diffusion in Taâ€“CoFeBâ€“MgOâ€“CoFeBâ€“Ta magnetic tunnel junctions by hard x-ray photoemission. Applied Physics Letters, 2010, 96, .	3.3	60
209	Growth and transport properties of Mg3X2 (XÂ= Sb, Bi) single crystals. Materials Today Physics, 2018, 7, 61-68.	6.0	60
210	Topological semimetal in a Bi-Bi2Se3infinitely adaptive superlattice phase. Physical Review B, 2012, 86, .	3.2	59
211	Lattice-Site-Specific Spin Dynamics in Double Perovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Physical Review Letters, 2014, 112, 147202.	7.8	59
212	Dirac Nodal Arc Semimetal PtSn₄: An Ideal Platform for Understanding Surface Properties and Catalysis for Hydrogen Evolution. Angewandte Chemie - International Edition, 2019, 58, 13107-13112.	13.8	59
213	Resolving the topological classification of bismuth with topological defects. Science Advances, 2019, 5, eaax6996.	10.3	59
214	Structure and properties of CoMnSb in the context of half-metallic ferromagnetism. Physical Review B, 2006, 74, .	3.2	58
215	Electron correlations in Co₂Mn_{1â^'x}Fe_xSi Heusler compounds. Journal Physics D: Applied Physics, 2009, 42, 084002.	2.8	58
216	Noncollinear antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mtext>Sn</mml:mtext></mml:math> films. Physical Review Materials, 2018, 2, .	2.4	58

#	Article	IF	Citations
217	Dysprosium-Based Ionic Liquid Crystals: Thermal, Structural, Photo- and Magnetophysical Properties. Crystal Growth and Design, 2009, 9, 4429-4437. Graphene-like Dirac states and quantum spin Hall insulators in square-octagonal<mml:math	3.0	57
218			

#	Article	IF	Citations
235	Mesoscopic superconductivity and high spin polarization coexisting at metallic point contacts on Weyl semimetal TaAs. Nature Communications, 2017, 8, 13974.	12.8	53
236	Completely compensated ferrimagnetism and sublattice spin crossing in the half-metallic Heusler compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mrow><mml:mn>1.5</mml:mn> width="0.16em" /><mml:msub><mml:mi>FeV</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:mspace width="0.16em" /><mml:mi>Al</mml:mi></mml:mrow></mml:math>. Physical Review B, 2017, 95, .	3.2	53
237	Indium-Gallium Segregation inCuInxGa1â^'xSe2: AnAbÂInitioâ€“Based MonteÂCarlo Study. Physical Review Letters, 2010, 105, 025702.	7.8	52
238	Mn2PtIn: A tetragonal Heusler compound with exchange bias behavior. Applied Physics Letters, 2012, 100, .	3.3	52
239	Ab initio study of low-temperature magnetic properties of double perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">FeOsO</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 89, .	3.2	52
240	A large family of filled skutterudites stabilized by electron count. Nature Communications, 2015, 6, 6489.	12.8	52
241	Polymorphic Layered MoTe₂ from Semiconductor, Topological Insulator, to Weyl Semimetal. Chemistry of Materials, 2017, 29, 699-707.	6.7	52
242	Large magnetocrystalline anisotropy in tetragonally distorted Heuslers: a systematic study. Journal Physics D: Applied Physics, 2017, 50, 095002.	2.8	52
243	Giant intrinsic spin Hall effect in W ₃ Ta and other A15 superconductors. Science Advances, 2019, 5, eaav8575.	10.3	52
244	Heterogeneous catalysis at the surface of topological materials. Applied Physics Letters, 2020, 116, .	3.3	52
245	Phase separation in the quaternary Heusler compound CoTi(1â^'x)MnxSb â€“ A reduction in the thermal conductivity for thermoelectric applications. Scripta Materialia, 2010, 63, 1216-1219.	5.2	51
246	THE TIMING OF ISLAND EFFECTS IN NONNATIVE SENTENCE PROCESSING. Studies in Second Language Acquisition, 2012, 34, 67-98.	2.6	51
247	Topological Quantum Phase Transition and Superconductivity Induced by Pressure in the Bismuth Tellurohalide BiTeI. Advanced Materials, 2017, 29, 1605965.	21.0	51
248	Observation of nodal line in non-symmorphic topological semimetal InBi. New Journal of Physics, 2017, 19, 065007.	2.9	51
249	Observation of Magnetic Antiskyrmions in the Low Magnetization Ferrimagnet Mn₂Rh_{0.95}Ir_{0.05}Sn. Nano Letters, 2020, 20, 59-65.	9.1	51
250	Mode-resolved reciprocal space mapping of electron-phonon interaction in the Weyl semimetal candidate Td-WTe2. Nature Communications, 2020, 11, 2613.	12.8	51
251	Intrinsic Anomalous Hall Effect in Ni-Substituted Magnetic Weyl Semimetal Co₃Sn₂S₂. Chemistry of Materials, 2020, 32, 1612-1617.	6.7	51
252	Evidence of surface transport and weak antilocalization in a single crystal of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Te</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Se</mml:mi></mml:math>topological insulator. Physical Review B, 2014, 90, .	3.2	50

#	Article	IF	Citations
253	Quantum Anomalous Hall Effect in Magnetic Insulator Heterostructure. Nano Letters, 2015, 15, 2019-2023.	9.1	50
254	Helical magnetic structure and the anomalous and topological Hall effects in epitaxial B20 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>1</mml:mn> films. Physical Review B, 2018, 97, .	3.2	50
255	Linear and nonlinear optical responses in the chiral multifold semimetal RhSi. Npj Quantum Materials, 2020, 5, .	5.2	50
256	Structure and Properties of YbZnSn, YbAgSn, and Yb2Pt2Pb. Journal of Solid State Chemistry, 1999, 145, 668-677.	2.9	49
257	Highly ordered, half-metallic Co2FeSi single crystals. Applied Physics Letters, 2009, 95, .	3.3	49
258	Exchange energies, Curie temperatures and magnons in Heusler compounds. Journal Physics D: Applied Physics, 2009, 42, 084013.	2.8	49
259	Electronic structure and optical, mechanical, and transport properties of the pure, electron-doped, and hole-doped Heusler compound CoTiSb. Physical Review B, 2012, 86, .	3.2	49
260	Tetragonal Heusler Compounds for Spintronics. IEEE Transactions on Magnetics, 2013, 49, 682-685.	2.1	49
261	â€œIsolatedâ€•DyO⁺ Embedded in a Ceramic Apatite Matrix Featuring Singleâ€Molecule Magnet Behavior with a High Energy Barrier for Magnetization Relaxation. Angewandte Chemie - International Edition, 2017, 56, 13416-13420.	13.8	49
262	Band connectivity for topological quantum chemistry: Band structures as a graph theory problem. Physical Review B, 2018, 97, .	3.2	49
263	Revealing the Intrinsic Electronic Structure of 3D Halfâ€Heusler Thermoelectric Materials by Angleâ€Resolved Photoemission Spectroscopy. Advanced Science, 2020, 7, 1902409.	11.2	49
264	Electronic, magnetic, and structural properties of the ferrimagnet Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>CoSn. Physical Review B, 2011, 83, .	3.2	48
265	On the half-metallicity of Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>FeSi Heusler alloy: Point-contact Andreev reflection spectroscopy andab initiostudy. Physical Review B, 2013, 87, .	3.2	48
266	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: mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2020, 101, .	3.2	48
267	Magnetic properties of Co2Mn1â˜'xFexSi Heusler alloys. Journal Physics D: Applied Physics, 2006, 39, 786-792.	2.8	47
268	Optimization of the carrier concentration in phase-separated half-Heusler compounds. Journal of Materials Chemistry A, 2014, 2, 13513-13518.	10.3	47
269	Magnetically Frustrated Double Perovskites: Synthesis, Structural Properties, and Magnetic Order of Sr₂BOsO₆ (B = Y, In, Sc). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 197-205.	1.2	47
270	Detection of the valence band in buried Co2MnSiâ€“MgO tunnel junctions by means of photoemission spectroscopy. Applied Physics Letters, 2008, 92, .	3.3	46

#	Article	IF	Citations
271	Heusler compounds as ternary intermetallic nanoparticles: Co₂FeGa. Journal Physics D: Applied Physics, 2009, 42, 084018.	2.8	46
272	Weak topological insulators induced by the interlayer coupling: A first-principles study of stacked Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>TeI. Physical Review B, 2014, 89, .	3.2	46
273	Premartensite to martensite transition and its implications for the origin of modulation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">N</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>MnGa</mml:mi></mml:mrow></mml:math>ferromagnetic shape-memory alloy. Physical Review B, 2015, 92, .	3.2	46
274	Charge carrier concentration optimization of thermoelectric p-type half-Heusler compounds. APL Materials, 2015, 3, .	5.1	46
275	Pressure-driven superconductivity in the transition-metal pentatelluride<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>HfT</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 94, .	3.2	46
276	Compensated Ferrimagnetic Tetragonal Heusler Thin Films for Antiferromagnetic Spintronics. Advanced Materials, 2016, 28, 8499-8504.	21.0	46
277	Quantum materials for thermoelectricity. MRS Bulletin, 2018, 43, 187-192.	3.5	46
278	Observation of giant spin-split Fermi-arc with maximal Chern number in the chiral topological semimetal PtGa. Nature Communications, 2020, 11, 2033.	12.8	46
279	Descriptor for Hydrogen Evolution Catalysts Based on the Bulk Band Structure Effect. ACS Catalysis, 2020, 10, 5042-5048.	11.2	46
280	On the influence of bandstructure on transport properties of magnetic tunnel junctions with Co2Mn1â˜xFexSi single and multilayer electrode. Journal of Applied Physics, 2008, 104, 043918.	2.5	45
281	Semiconducting halfâ€Heusler and LiGaGe structure type compounds. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1090-1095.	1.8	45
282	Ultrahigh mobility and nonsaturating magnetoresistance in Heusler topological insulators. Physical Review B, 2012, 86, .	3.2	45
283	Exchange bias up to room temperature in antiferromagnetic hexagonal Mn₃Ge. Journal Physics D: Applied Physics, 2014, 47, 305001.	2.8	45
284	Heusler nanoparticles for spintronics and ferromagnetic shape memory alloys. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2014, 32, .	1.2	45
285	Hybrid-Functional Calculations on the Incorporation of Na and K Impurities into the CuInSe₂ and CuIn₅Se₈ Solar-Cell Materials. Journal of Physical Chemistry C, 2015, 119, 25197-25203.	3.1	45
286	Anomalous Nernst effect and field-induced Lifshitz transition in the Weyl semimetals TaP and TaAs. Physical Review B, 2018, 98, .	3.2	45
287	Tunablee_gOrbital Occupancy in Heusler Compounds for Oxygen Evolution Reaction**. Angewandte Chemie - International Edition, 2021, 60, 5800-5805.	13.8	45
288	Electronic structure of Pt based topological Heusler compounds with C1b structure and â€œzero band gapâ€• Applied Physics Letters, 2011, 98, 211901.	3.3	44

#	Article	IF	Citations
289	Thermoelectric properties of n-type half-Heusler NbCoSn with heavy-element Pt substitution. Journal of Materials Chemistry A, 2020, 8, 14822-14828.	10.3	44
290	Topological origin of the type-II Dirac fermions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>PtSe</mml:mi><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Materials, 2017, 1, .	2.4	44
291	of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Co</mml:mi><mml:msub><mml:mi mathvariant="normal">Ti</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow>		

#	Article	IF	Citations
307	Electronic structure and linear magnetoresistance of the gapless topological insulator PtLuSb. Applied Physics Letters, 2012, 100, .	3.3	39
308	Synthesis and Three-Dimensional Magnetic Field Mapping of Co₂FeGa Heusler Nanowires at 5 nm Resolution. Nano Letters, 2016, 16, 114-120.	9.1	39
309	High energy, high resolution photoelectron spectroscopy of Co2Mn1âˆ'xFexSi. Journal Physics D: Applied Physics, 2007, 40, 1576-1581.	2.8	38
310	Synthesis of graphene oxide-intercalated Î±-hydroxides by metathesis and their decomposition to graphene/metal oxide composites. Carbon, 2010, 48, 4343-4350.	10.3	38
311	Lone Pair Effect, Structural Distortions, and Potential for Superconductivity in Tl Perovskites. Inorganic Chemistry, 2013, 52, 5479-5483.	4.0	38
312	Signatures for half-metallicity and nontrivial surface states in the kagome lattice 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:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 98, .	3.2	38
313	Large anomalous Hall and Nernst effects from nodal line symmetry breaking in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Fe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Mn</mml:mi><mml:mi>X</mml:mi></mml:math> (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>X</mml:mi></mml:math> =) Tj ETQq1 1 0.784314 rgBT /O	3.2	38
314	Electron hydrodynamics in anisotropic materials. Nature Communications, 2020, 11, 4710.	12.8	38
315	Symmetry of Valence States of Heusler Compounds Explored by Linear Dichroism in Hard-X-Ray Photoelectron Spectroscopy. Physical Review Letters, 2011, 107, 036402.	7.8	37
316	Physical vapor deposition of Bi2S3 as absorber material in thin film photovoltaics. Thin Solid Films, 2013, 535, 394-397.	1.8	37
317	Characterization of topological band structures away from the Fermi level by the anomalous Nernst effect. Physical Review B, 2018, 98, .	3.2	37
318	Intrinsic stability of magnetic anti-skyrmions in the tetragonal inverse Heusler compound Mn1.4Pt0.9Pd0.1Sn. Nature Communications, 2019, 10, 5305.	12.8	37
319	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.	7.1	37
320	Tunable Magnetic Antiskyrmion Size and Helical Period from Nanometers to Micrometers in a D_{2d} Heusler Compound. Advanced Materials, 2020, 32, e2002043.	21.0	37
321	Diluted magnetic semiconductors with high Curie temperature based on C1b compounds: CoTi1âˆ'xFexSb. Applied Physics Letters, 2006, 89, 202509.	3.3	36
322	Probing the random distribution of half-metallic Co2Mn1âˆ'xFexSi Heusler alloys. Applied Physics Letters, 2007, 91, .	3.3	36
323	Systematical, experimental investigations on LiMgZ (Z = P, As, Sb) wide band gap semiconductors. Journal Physics D: Applied Physics, 2011, 44, 475302.	2.8	36
324	Stoichiometry dependent phase transition in Mn-Co-Ga-based thin films: From cubic in-plane, soft magnetized to tetragonal perpendicular, hard magnetized. Applied Physics Letters, 2012, 101, .	3.3	36

#	Article	IF	Citations
325	Berry phase and band structure analysis of the Weyl semimetal NbP. Scientific Reports, 2016, 6, 33859.	3.3	36
326	Signatures of Sixfold Degenerate Exotic Fermions in a Superconducting Metal PdSb₂. Advanced Materials, 2020, 32, e1906046.	21.0	36
327	The Valence States of Nickel, Tin, and Sulfur in the Ternary Chalcogenide Ni3Sn2S2â€”XPS,61Ni and119Sn MÃ¶ssbauer Investigations, and Band Structure Calculations. Angewandte Chemie - International Edition, 1999, 38, 2381-2384.	13.8	35
328	Exploring the details of the martensiteâ€“austenite phase transition of the shape memory Heusler compound Mn2NiGa by hard x-ray photoelectron spectroscopy, magnetic and transport measurements. Applied Physics Letters, 2011, 98, .	3.3	35
329	Improving Spinâ€Transport by Disorder. Advanced Functional Materials, 2013, 23, 832-838.	14.9	35
330	Stabilizing and increasing the magnetic moment of half-metals: The role of Li in half-Heusler<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">LiMn</mml:mi><mml:mi>Z</mml:mi></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:mi>Z</mml:mi><mml:mo>=</mml:mo><mml:mtext Physical Review B, 2015, 91, .	3.2	35
331	Room-temperature tetragonal non-collinear Heusler antiferromagnet Pt2MnGa. Nature Communications, 2016, 7, 12671.	12.8	35
332	High-Temperature Ferrimagnetism with Large Coercivity and Exchange Bias in the Partially Ordered 3d/5d Hexagonal Perovskite Ba₂Fe_{1.12}Os_{0.88}O₆. Chemistry of Materials, 2017, 29, 886-895.	6.7	35
333	Large anomalous Hall effect in the kagome ferromagnet LiMn6Sn6. Physical Review B, 2021, 103, .	3.2	35
334	Structural properties of the quaternary Heusler alloy Co2Cr1â^'xFexAl. Journal Physics D: Applied Physics, 2007, 40, 1524-1533.	2.8	34
335	New materials with high spin polarization: half-metallic Heusler compounds. Journal Physics D: Applied Physics, 2007, 40, .	2.8	34
336	Thermoelectric properties of CoTiSb based compounds. Journal Physics D: Applied Physics, 2009, 42, 185401.	2.8	34
337	Electronic structure, magnetic properties and orderâ€“disorder phenomena in Co₂Mn_{1â^'x}Fe_xAl. Journal Physics D: Applied Physics, 2009, 42, 084007.	2.8	34
338	Density of phonon states in superconducting FeSe as a function of temperature and pressure. Physical Review B, 2010, 81, .	3.2	34
339	Large resistivity change and phase transition in the antiferromagnetic semiconductors LiMnAs and LaOMnAs. Physical Review B, 2013, 88, .	3.2	34
340	Pressure-induced superconductivity and topological quantum phase transitions in a quasi-one-dimensional topological insulator: Bi4I4. Npj Quantum Materials, 2018, 3, .	5.2	34
341	Strong anomalous Nernst effect in collinear magnetic Weyl semimetals without net magnetic moments. Physical Review B, 2018, 97, .	3.2	34
342	In Situ Modification of a Delafossite-Type PdCoO₂ Bulk Single Crystal for Reversible Hydrogen Sorption and Fast Hydrogen Evolution. ACS Energy Letters, 2019, 4, 2185-2191.	17.4	34

#	Article	IF	Citations
343	Spin glass behavior in the disordered half-Heusler compound IrMnGa. Physical Review B, 2019, 99, .	3.2	34
344	Anisotropic topological Hall effect with real and momentum space Berry curvature in the antiskrymion-hosting Heusler compound <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 mathvariant="normal">PtSn</mml:mi></mml:math>. Physical Review B, 2019, 99, .	3.2	34
345	Thermoelectric Properties of Novel Semimetals: A Case Study of YbMnSb₂. Advanced Materials, 2021, 33, e2003168.	21.0	34
346	A new view of valence instabilities in europium compounds: van Hove singularity in EuPdP. Europhysics Letters, 1997, 40, 85-92.	2.0	33
347	Multi-temperature synchrotron PXRD and physical properties study of half-Heusler TiCoSb. Dalton Transactions, 2010, 39, 10154.	3.3	33
348	Active role of nonmagnetic cations in magnetic interactions for double-perovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>B</mml:mi><mml:mi>Os</mml:mi><mml:msub><mml:mm		

#	Article	IF	Citations
361	Anomalous Hall effect and the role of Berry curvature 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:msub></mml:mrow></mml:math> Heusler films. Physical Review B, 2019, 100, .	3.2	32
362	Unconventional Hall response in the quantum limit of HfTe5. Nature Communications, 2020, 11, 5926.	12.8	32
363	Topological Hall effect in thin films of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mrow><mml:mn>1.5</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review Materials, 2019, 3, .	2.4	32
364	Topological surface states of Bi₂Se₃ coexisting with Se vacancies. Physica Status Solidi - Rapid Research Letters, 2013, 7, 148-150.	2.4	31
365	Longâ€Term Stability of (Ti/Zr/Hf)CoSb_{1â^'x}Sn_x Thermoelectric pâ€Type Halfâ€Heusler Compounds Upon Thermal Cycling. Energy Technology, 2015, 3, 1217-1224.	3.8	31
366	Prediction of the quantum spin Hall effect in monolayers of transition-metal carbides MC (M = Ti, Zr,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.4	31
367	Emergent Weyl Fermion Excitations in TaP Explored by <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ta</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>181</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> Quadrupole Resonance. Physical Review Letters, 2017, 118, 236403.	7.8	31
368	Origin of the quasi-quantized Hall effect in ZrTe5. Nature Communications, 2021, 12, 3197.	12.8	31
369	An Alternative Approach to Improve the Thermoelectric Properties of Half-Heusler Compounds. Journal of Electronic Materials, 2011, 40, 702-706.	2.2	30
370	Magnetic and transport properties in the Heusler series Ni2â^'xMn1+xSn affected by chemical disorder. Intermetallics, 2015, 57, 101-112.	3.9	30
371	Straight from the horseâ€™s mouth. Linguistic Approaches To Bilingualism, 2019, 9, 398-426.	0.9	30
372	Thin epitaxial films of the Heusler compound. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1104-1107.	2.3	29
373	Searching for hexagonal analogues of the half-metallic half-HeuslerXYZcompounds. Journal Physics D: Applied Physics, 2008, 41, 035002.	2.8	29
374	Size correlated long and short range order of ternary Co2FeGa Heusler nanoparticles. Applied Physics Letters, 2010, 97, .	3.3	29
375	Strong reduction of the Korringa relaxation in the spin-density wave regime ofEuFe2As2observed by electron spin resonance. Physical Review B, 2010, 81, .	3.2	29
376	Quaternary Heusler Compounds without Inversion Symmetry: CoFe_{1+x}Ti_{1â€“x}Al and CoMn_{1+x}V_{1â€“x}Al. European Journal of Inorganic Chemistry, 2011, 2011, 3950-3954.	2.0	29
377	Preparation and properties of radio-frequency-sputtered half-Heusler films for use in solar cells. Thin Solid Films, 2011, 519, 1866-1871.	1.8	29
378	Quaternary Heusler compounds Co_{2â^'x}Rh_xMnZ (Z = Ga, Sn, Sb): crystal structure, electronic structure, and magnetic properties. Journal of Physics Condensed Matter, 2012, 24, 046001.	1.8	29

#	Article	IF	Citations
379	Large field-induced irreversibility in Ni-Mn based Heusler shape-memory alloys: A pulsed magnetic field study. Physical Review B, 2014, 90, .	3.2	29
380	Proximity enhanced quantum spin Hall state in graphene. Carbon, 2015, 87, 418-423.	10.3	29
381	Halfâ€Heusler materials as model systems for phaseâ€separated thermoelectrics. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 716-731.	1.8	29
382	Pressure tuning the Fermi surface topology of the Weyl semimetal NbP. Physical Review B, 2016, 93, .	3.2	29
383	Magnetic dichroism in angle-resolved hard x-ray photoemission from buried layers. Physical Review B, 2011, 84, .	3.2	28
384	Quantum oscillations in the type-II Dirac semi-metal candidate PtSe₂. New Journal of Physics, 2018, 20, 043008.	2.9	28
385	Bursting at the seams: Rippled monolayer bismuth on NbSe ₂. Science Advances, 2018, 4, eaaq0330.	10.3	28
386	Dirac Nodal Arc Semimetal PtSn₄: An Ideal Platform for Understanding Surface Properties and Catalysis for Hydrogen Evolution. Angewandte Chemie, 2019, 131, 13241-13246.	2.0	28
387	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></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review X, 2021, 11, .	8.9	28
388	2Dâ€Berryâ€Curvatureâ€Driven Large Anomalous Hall Effect in Layered Topological Nodalâ€Line MnAlGe. Advanced Materials, 2021, 33, e2006301.	21.0	28
389	High-spin polarization of Heusler alloys. Journal Physics D: Applied Physics, 2006, 39, .	2.8	27
390	Structural, magnetic and transport properties of Co2FeSi Heusler films. Journal Physics D: Applied Physics, 2007, 40, 1548-1551.	2.8	27
391	Probing the Size Effect of Co₂FeGa-SiO₂@C Nanocomposite Particles Prepared by a Chemical Approach. Chemistry of Materials, 2010, 22, 6575-6582.	6.7	27
392	Theoretical study of new acceptor and donor molecules based on polycyclic aromatic hydrocarbons. Journal of Molecular Spectroscopy, 2011, 265, 95-101.	1.2	27
393	Superconductivity and magnetism in Rb0.8Fe1.6Se2under pressure. Physical Review B, 2012, 85, .	3.2	27
394	Rich diversity of single-ion magnet features in the linear OCu^{III}O^{â^'} ion confined in the hexagonal channels of alkaline-earth phosphate apatites. Chemical Communications, 2014, 50, 9325-9328.	4.1	27
395	Distinct Electronic Structure of the Electrolyte Gate-Induced Conducting Phase in Vanadium Dioxide Revealed by High-Energy Photoelectron Spectroscopy. ACS Nano, 2014, 8, 5784-5789.	14.6	27
396	Pulsed high-magnetic-field experiments: New insights into the magnetocaloric effect in Ni-Mn-In Heusler alloys. Journal of Applied Physics, 2015, 117, .	2.5	27

#	Article	IF	Citations
397	A Co-based single-molecule magnet confined in a barium phosphate apatite matrix with a high energy barrier for magnetization relaxation. Chemical Communications, 2017, 53, 5416-5419.	4.1	27
398	Rational design of transparent p-type conducting non-oxide materials from high-throughput calculations. Journal of Materials Chemistry C, 2018, 6, 541-549.	5.5	27
399	Tetragonal Superstructure of the Antiskyrmion Hosting Heusler Compound Mn1.4PtSn. Chemistry of Materials, 2019, 31, 5876-5880.	6.7	27
400	Field-Modulated Anomalous Hall Conductivity and Planar Hall Effect in Co₃Sn₂S₂ Nanoflakes. Nano Letters, 2020, 20, 7860-7867.	9.1	27
401	Handedness-dependent quasiparticle interference in the two enantiomers of the topological chiral semimetal PdGa. Nature Communications, 2020, 11, 3507.	12.8	27
402	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, .	3.2	27
403	An Inorganic Double Helix Sheathing Alkali Metal Cations: ANb2P2S12(A=K, Rb, Cs), A Series of Thiophosphates Close to the Metal-Nonmetal Boundary-Chalcogenide Analogues of Transition-Metal Phosphate Bronzes?. Chemistry - A European Journal, 2004, 10, 382-391.	3.3	26
404	Challenging the Prediction of Anionogenic Ferromagnetism for Rb4O6. Journal of the American Chemical Society, 2007, 129, 6990-6991.	13.7	26
405	Conversion electron MÃ¶ssbauer spectroscopy of epitaxial Co2Cr0.6Fe0.4Al thin films. Applied Physics Letters, 2008, 92, 262501.	3.3	26
406	Investigation of the Thermoelectric Properties of LiAlSi and LiAlGe. Journal of Electronic Materials, 2010, 39, 1856-1860.	2.2	26
407	Phase-separation-induced changes in the magnetic and transport properties of the quaternary Heusler alloy<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu Physical Review B, 2010, 82, .	3.2	26
408	Skyrmions. Angewandte Chemie - International Edition, 2013, 52, 1631-1634.	13.8	26
409	Probing the electronic states of high-TMR off-stoichiometric Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>MnSi thin films by hard x-ray photoelectron spectroscopy. Physical Review B, 2014, 89, .	3.2	26
410	Effect of platinum substitution on the structural and magnetic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Ni</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>MnGa</mml:mi></mml:math>ferromagnetic shape memory alloy. Physical Review B, 2016, 93, .	3.2	26
411	Improving thermoelectric performance of TiNiSn by mixing MnNiSb in the half-Heusler structure. Physical Chemistry Chemical Physics, 2017, 19, 1543-1550.	2.8	26
412	Robust Bain distortion in the premartensite phase of a platinum-substituted Ni2MnGa magnetic shape memory alloy. Nature Communications, 2017, 8, 1006.	12.8	26
413	Largely Suppressed Magneto-Thermal Conductivity and Enhanced Magneto-Thermoelectric Properties in PtSn ₄. Research, 2020, 2020, 4643507.	5.7	26
414	Ultrahigh transverse thermoelectric power factor in flexible Weyl semimetal WTe2. Nature Communications, 2022, 13, .	12.8	26

#	Article	IF	Citations
415	Cuâ€“Cu interactions in the transparent p-type conductors: CuAlO2 and SrCu2O2. Solid State Sciences, 2003, 5, 741-744.	3.2	25
416	Magnetic Heusler Compounds. Handbook of Magnetic Materials, 2013, , 1-75.	0.6	25
417	Cobalt-Based Single-Ion Magnets on an Apatite Lattice: Toward Patterned Arrays for Magnetic Memories. Inorganic Chemistry, 2017, 56, 1232-1240.	4.0	25
418	Pressure-induced metallization, transition to the pyrite-type structure, and superconductivity in palladium disulfide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Pd</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 100, .	3.2	25
419	Magneto-Optics of a Weyl Semimetal beyond the Conical Band Approximation: Case Study of TaP. Physical Review Letters, 2020, 124, 176402.	7.8	25
420	Giant negative magnetoresistance in GdI2. Journal of Alloys and Compounds, 2000, 303-304, 252-256.	5.5	24
421	Crystal structure and magnetism of the double perovskites A2FeReO6 (A=Ca, Sr, Ba). Journal of Magnetism and Magnetic Materials, 2004, 272-276, E607-E608.	2.3	24
422	Disorder-induced cubic phase in Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>-based Heusler alloys. Physical Review B, 2013, 87, .	3.2	24
423	Theoretical Study on the Structure and Energetics of Cd Insertion and Cu Depletion of CuIn5Se8. Journal of Physical Chemistry C, 2013, 117, 10892-10900.	3.1	24
424	Synthesis, Crystal Structure, and Properties of the Ordered Double Perovskite Sr₂CoOsO₆. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 2421-2425.	1.2	24
425	Pressure-induced structural phase transition in the half-Heusler compound CaAuBi. Solid State Sciences, 2014, 30, 6-10.	3.2	24
426	Phonon-Modulated Magnetic Interactions and Spin Tomonaga-Luttinger Liquid in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-Orbital Antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CsO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m Physical Review Letters, 2015, 115, 057205.	7.8	24
427	Optical conductivity of the Weyl semimetal NbP. Physical Review B, 2018, 98, .	3.2	24
428	Anomalous Hall and Nernst Effects in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Ti</mml:mi><mml:mi>Sn</mml:m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Ti</mml:mi><mml:m mathvariant="normal. Physical Review Applied, 2018, 10, .	3.8	24
429	Evolution and competition between chiral spin textures in nanostripes with D _{2d} symmetry. Science Advances, 2020, 6, .	10.3	24
430	Anisotropic electrical and thermal magnetotransport in the magnetic semimetal GdPtBi. Physical Review B, 2020, 101, .	3.2	24
431	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.	7.9	24
432	MoS2 on topological insulator Bi2Te3 thin films: Activation of the basal plane for hydrogen reduction. Journal of Energy Chemistry, 2021, 62, 516-522.	12.9	24

#	Article	IF	Citations
433	Valence instabilities and inhomogeneous mixed valence in some ternary europium compounds. Journal of Alloys and Compounds, 1997, 262-263, 87-91.	5.5	23
434	Hyperfine magnetic field on iron atoms and Coâ€“Fe disordering in Co2FeSi. Journal of Applied Physics, 2010, 107, 09B106.	2.5	23
435	Electronic structure of fully epitaxial Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>TiSn thin films. Physical Review B, 2011, 83, .	3.2	23
436	Linear-in-Frequency Optical Conductivity in GdPtBi due to Transitions near the Triple Points. Physical Review Letters, 2018, 121, 176601.	7.8	23
437	Gradual pressure-induced change in the magnetic structure 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:m Physical Review B, 2018, 97, .	3.2	23
438	Signatures of the Magnetic Entropy in the Thermopower Signals in Nanoribbons of the Magnetic Weyl Semimetal Co₃Sn₂S₂. Nano Letters, 2020, 20, 300-305.	9.1	23
439	Visualizing coexisting surface states in the weak and crystalline topological insulator Bi2TeI. Nature Materials, 2020, 19, 610-616.	27.5	23
440	A Critical Study of the Elastic Properties and Stability of Heusler Compounds: Phase Change and Tetragonal <i>X₂YZ</i> Compounds. Journal of Modern Physics, 2018, 09, 775-805.	0.6	23
441	Magnetic transitions in double perovskiteSr2FeRe1âˆ’xSbxO6(0â©½xâ©½0.9). Physical Review B, 2006, 73, .	3.2	22
442	Exotic magnetism in the alkali sesquioxidesRb4O6andCs4O6. Physical Review B, 2009, 79, .	3.2	22
443	Tuning the carrier concentration for thermoelectrical application in the quaternary Heusler compound Co2TiAl(1âˆ’x)Six. Scripta Materialia, 2010, 63, 925-928.	5.2	22
444	Formation of an intermolecular charge-transfer compound in UHV codeposited tetramethoxypyrene and tetracyanoquinodimethane. Physical Review B, 2010, 82, .	3.2	22
445	Thermoelectric properties and electronic structure of substituted Heusler compounds: NiTi0.3âˆ’xScxZr0.35Hf0.35Sn. Applied Physics Letters, 2010, 97, .	3.3	22
446	Transport and optical properties of the gapless Heusler compound PtYSb. Applied Physics Letters, 2011, 99, .	3.3	22
447	Resolving the phase structure of nonstoichiometric Co2FeGa Heusler nanoparticles. Journal of Applied Physics, 2012, 112, .	2.5	22
448	Bulk electronic structure studied by hard X-ray photoelectron spectroscopy of the valence band: The case of intermetallic compounds. Journal of Electron Spectroscopy and Related Phenomena, 2013, 190, 249-267.	1.7	22
449	Kinetic arrest related to a first-order ferrimagnetic to antiferromagnetic transition in the Heusler compound Mn2PtGa. Journal of Applied Physics, 2013, 113, .	2.5	22
450	Effect of Pt substitution on the magnetocrystalline anisotropy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Ni</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:n : A competition between chemistry and elasticity. Physical Review B, 2017, 96, .	3.2	22

#	Article	IF	Citations
451	Itinerant magnetism at the borderline between long-range antiferromagnetic order and spin-glass behavior in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math> -site disordered perovskite system <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi	3.2	22
452	Magnetoresistance and anomalous Hall effect in micro-ribbons of the magnetic Weyl semimetal Co3Sn2S2. Applied Physics Letters, 2019, 114, .	3.3	22
453	Ab initio study of quantized circular photogalvanic effect in chiral multifold semimetals. Physical Review B, 2020, 102, .	3.2	22
454	Comprehensive scan for nonmagnetic Weyl semimetals with nonlinear optical response. Npj Computational Materials, 2020, 6, .	8.7	22
455	Large linear non-saturating magnetoresistance and high mobility in ferromagnetic MnBi. Nature Communications, 2021, 12, 4576.	12.8	22
456	Ferromagnetic ordering in GdPdCd. Solid State Sciences, 2002, 4, 609-617.	3.2	21
457	Enhanced orbital magnetic moments in the Heusler compounds „. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 758-759.	2.3	21
458	The structure and local surrounding of Fe in Co2â^'xFe1+xSi. Applied Physics Letters, 2008, 93, .	3.3	21
459	Localized magnetic moments in the Heusler alloy Rh₂MnGe. Journal Physics D: Applied Physics, 2009, 42, 084001.	2.8	21
460	Test of band structure calculations for Heusler compounds by spin-resolved photoemission spectroscopy. Physical Review B, 2012, 86, .	3.2	21
461	Theoretical Study on the Diffusion Mechanism of Cd in the Cu-Poor Phase of CuInSe₂ Solar Cell Material. Journal of Physical Chemistry C, 2013, 117, 25933-25938.	3.1	21
462	Magnetic and transport properties of tetragonal- or cubic-Heusler-type Co-substituted Mn-Ga epitaxial thin films. Journal of Applied Physics, 2013, 113, .	2.5	21
463	Superconductivity in the Cu3Sn monohydride. xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.2	21
464	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml: Ab initio study of topological surface states of strained HgTe. Europhysics Letters, 2014, 107, 57006.	2.0	21
465	Two-dimensional rectangular tantalum carbide halides TaCX (X = Cl, Br, I): novel large-gap quantum spin Hall insulators. 2D Materials, 2016, 3, 035018.	4.4	21
466	Uniaxial-stress tuned large magnetic-shape-memory effect in Ni-Co-Mn-Sb Heusler alloys. Applied Physics Letters, 2017, 110, .	3.3	21
467	Observation of the topological surface state in the nonsymmorphic topological insulator KHgSb. Physical Review B, 2017, 96, .	3.2	21
468	Stable Weyl points, trivial surface states, and particle-hole compensation in <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></mml Physical Review B, 2018, 97, .	3.2	21

#	Article	IF	Citations
469	Temperature-induced inversion of the spin-photogalvanic effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoTe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml Physical Review B, 2018, 98, .	3.2	21
470	Magnetic and Electronic Properties of Weyl Semimetal Co2MnGa Thin Films. Nanomaterials, 2021, 11, 251.	4.1	21
471	Large magnon-induced anomalous Nernst conductivity in single-crystal MnBi. Joule, 2021, 5, 3057-3067.	24.0	21
472	Optical conductivity of multifold fermions: The case of RhSi. Physical Review Research, 2020, 2, .	3.6	21
473	Suppression of martensitic phase transition at the Ni2MnGa film surface. Applied Physics Letters, 2008, 93, 022501.	3.3	20
474	Structural and magnetic properties of Fe₂CoGa Heusler nanoparticles. Journal Physics D: Applied Physics, 2012, 45, 295001.	2.8	20
475	Structural variants and the modified Slater-Pauling curve for transition-metal-based half-Heusler alloys. Journal of Applied Physics, 2013, 113, .	2.5	20
476	Increasing Curie temperature in tetragonal Mn2RhSn Heusler compound through substitution of Rh by Co and Mn by Rh. Journal of Applied Physics, 2013, 113, .	2.5	20
477	Nanoscale three-dimensional reconstruction of electric and magnetic stray fields around nanowires. Applied Physics Letters, 2014, 105, .	3.3	20
478	Paramagnetic to ferromagnetic phase transition in lightly Fe-doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Cr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">B</mml:mi></mml:math>. Physical Review B, 2014, 89, .	3.2	20
479	Transparent conducting oxide induced by liquid electrolyte gating. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11148-11151.	7.1	20
480	Magnetic properties and Curie temperatures of disordered Heusler compounds:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mrow> Physical Review B, 2016, 94, .	3.2	20
481	Optimized thermoelectric performance of the n-type half-Heusler material TiNiSn by substitution and addition of Mn. AIP Advances, 2017, 7, .	1.3	20
482	Synthesis and thermoelectric properties of Rashba semiconductor BiTeBr with intensive texture. Rare Metals, 2018, 37, 274-281.	7.1	20
483	Canted ferrimagnetism and giant coercivity in the nonstoichiometric double perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">N</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mrow><mml:mn>1.19</mml:mn></mml:mrow></mml:msub><mml:mi	3.2	20
484	Evidence of hot and cold spots on the Fermi surface of LiFeAs. Physical Review B, 2019, 99, .	3.2	20
485	Large Anomalous Hall and Nernst Effects in High Curieâ€Temperature Ironâ€Based Heusler Compounds. Advanced Science, 2021, 8, e2100782.	11.2	20
486	Conduction band polarization in some CMR materials. Solid State Sciences, 2000, 2, 677-685.	0.7	19

#	Article	IF	Citations
487	Verwey-type transition in EuNiP. Europhysics Letters, 2006, 74, 672-678.	2.0	19
488	Structure and Properties of GdAuSn and the GdAuSn/MnAuSn System. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 1273-1280.	1.2	19
489	Pressure-restored superconductivity in Cu-substituted FeSe. Physical Review B, 2011, 84, .	3.2	19
490	First-principles investigation of the bulk and low-index surfaces of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Mo</mml:mi><mml:msub><mml:mi>Se</mml:mi><mml:mn>2</mml:m Physical Review B, 2014, 89, .	3.2	19
491	Evidence for localized moment picture in Mn-based Heusler compounds. Physical Chemistry Chemical Physics, 2015, 17, 31707-31714.	2.8	19
492	Direct measurement of the magnetic anisotropy field in Mnâ€“Ga and Mnâ€“Coâ€“Ga Heusler films. Journal Physics D: Applied Physics, 2015, 48, 164006.	2.8	19
493	Chemical disorder as an engineering tool for spin polarization in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>2</mml:mn></mml Heusler systems. Physical Review B, 2015, 91, .	3.2	19
494	Chemical Synthesis and Characterization of Î³-Co₂NiGa Nanoparticles with a Very High Curie Temperature. Chemistry of Materials, 2015, 27, 6994-7002.	6.7	19
495	Spectroscopic evidence for the gapless electronic structure in bulk ZrTe5. Journal of Electron Spectroscopy and Related Phenomena, 2017, 219, 45-52.	1.7	19
496	Experimental observation of conductive edge states in weak topological insulator candidate HfTe5. APL Materials, 2018, 6, .	5.1	19
497	Topological Hall Signatures of Two Chiral Spin Textures Hosted in a Single Tetragonal Inverse Heusler Thin Film. ACS Nano, 2020, 14, 13463-13469.	14.6	19
498	Size-dependent structural and magnetic properties of chemically synthesized Co-Ni-Ga nanoparticles. Nano Research, 2017, 10, 3421-3433.	10.4	19
499	Improved magnetostructural and magnetocaloric reversibility in magnetic Ni-Mn-In shape-memory Heusler alloy by optimizing the geometric compatibility condition. Physical Review Materials, 2019, 3, .	2.4	19
500	Magnetic and Electronic Structure of the CMR Chalcospinel Fe0.5Cu0.5Cr2S4. Advanced Materials, 2000, 12, 65-69.	21.0	18
501	Structural and magnetic properties of the solid solution series Sr2Fe1â€“xMxReO6(M = Cr, Zn). Journal of Materials Chemistry, 2005, 15, 1760.	6.7	18
502	A spatially resolved investigation of the local, micro-magnetic domain structure of single and polycrystalline Co2FeSi. Journal Physics D: Applied Physics, 2007, 40, 1570-1575.	2.8	18
503	Cluster issue on Heusler compounds and devices. Journal Physics D: Applied Physics, 2009, 42, 080301-080301.	2.8	18
504	Hard x-ray photoelectron spectroscopy of buried Heusler compounds. Journal Physics D: Applied Physics, 2009, 42, 084010.	2.8	18

#	Article	IF	Citations
505	Orbital ordering of Ir<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>t</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mi in the double perovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">CeIrO</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math>. Physical	3.2	18
506	Insights into Intrinsic Defects and the Incorporation of Na and K in the Cu₂ZnSnSe₄ Thin-Film Solar Cell Material from Hybrid-Functional Calculations. Journal of Physical Chemistry C, 2016, 120, 2064-2069.	3.1	18
507	Half-metallic compensated ferrimagnetism with a tunable compensation point over a wide temperature range in the Mn-Fe-V-Al Heusler system. AIP Advances, 2017, 7, .	1.3	18
508	Two-channel conduction in YbPtBi. Physical Review B, 2017, 95, .	3.2	18
509	Electronic properties of topological insulator candidate CaAgAs. Journal of Physics Condensed Matter, 2018, 30, 045501.	1.8	18
510	Adaptive modulation in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">N</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mrow><mml:mn>1.4</mml:mn></mml:mrow></mml:msub><mml:mi	3.2	18
511	Magnon-polaron excitations in the noncollinear antiferromagnet Mn3Ge. Physical Review B, 2019, 99, .	3.2	18
512	Strong spin-orbit coupling and Dirac nodal lines in the three-dimensional electronic structure of metallic rutile <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>IrO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml Physical Review B, 2019, 99, .	3.2	18
513	Direct observation of the Magnetocaloric Effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Ni</mml:mi></mml:math> - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Co</mml:mi></mml:math> - <mml:math	3.8	18
514	Strong bulk photovoltaic effect in chiral crystals in the visible spectrum. Physical Review B, 2019, 100, .	3.2	18
515	Reanalysing object gaps during non-native sentence processing: Evidence from ERPs. Second Language Research, 2019, 35, 285-300.	2.0	18
516	A New Highly Anisotropic Rhâ€Based Heusler Compound for Magnetic Recording. Advanced Materials, 2020, 32, 2004331.	21.0	18
517	Obstructed Surface States as the Descriptor for Predicting Catalytic Active Sites in Inorganic Crystalline Materials. Advanced Materials, 2022, 34, e2201328.	21.0	18
518	Observation of a linked-loop quantum state in a topological magnet. Nature, 2022, 604, 647-652.	27.8	18
519	Effect of cation disorder on the magnetic properties ofSr2Fe1â^'xGaxReO6(0<x<0.7)double perovskites. Physical Review B, 2007, 75, .	3.2	17
520	Eight-Coordinate Endohedral Rhenium, Osmium and Iridium Atoms in Rare-Earth Halide Cluster Complexes. European Journal of Inorganic Chemistry, 2010, 2010, 2613-2619.	2.0	17
521	Electronic structure of large disc-type donors and acceptors. Physical Chemistry Chemical Physics, 2010, 12, 7184.	2.8	17
522	One-dimensional quantum antiferromagnetism in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math>-orbital<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">CsO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>compound revealed by electron paramagnetic resonance. Physical Review B, 2015, 91, .	3.2	17

#	Article	IF	Citations
523	Pressure-induced topological insulator in NaBaBi with right-handed surface spin texture. Physical Review B, 2016, 93, .	3.2	17
524	Topological Weyl semimetals in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mrow>2</mml:mrow></mml:msub><mml:mn>1</mml alloys. Physical Review B, 2018, 97, .	3.2	17
525	Proximity-Induced Superconductivity and Quantum Interference in Topological Crystalline Insulator SnTe Thin-Film Devices. Nano Letters, 2018, 18, 1264-1268.	9.1	17
526	Pressure tuning of the anomalous Hall effect in the chiral antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mrow>3</mml:mrow></mml:msub><mml:mn></mml Physical Review Materials, 2020, 4, .	2.4	17
527	Signatures of Weyl Fermion Annihilation in a Correlated Kagome Magnet. Physical Review Letters, 2021, 127, 256403.	7.8	17
528	Observation of a phase transition within the domain walls of ferromagnetic Co3Sn2S2. Nature Communications, 2022, 13, .	12.8	17
529	The 63 K phase transition of ZrTe3: a neutron diffraction study. Journal of Materials Chemistry, 1998, 8, 2869-2874.	6.7	16
530	Mixed Linear (M,Sb) Chains in the New Antimonides Hf10MÎ´Sb6â€“Î´ (M = V, Cr, Mn, Fe, Co, Ni, Cu): Crystal and Electronic Structures, Phase Ranges, and Electrical and Magnetic Properties. European Journal of Inorganic Chemistry, 2000, 2000, 315-322.	2.0	16
531	Hall effect in laser ablated Co₂(Mn,Fe)Si thin films. Journal Physics D: Applied Physics, 2009, 42, 084012.	2.8	16
532	Transport and thermal properties of single- and polycrystalline NiZr0.5Hf0.5Sn. Applied Physics Letters, 2011, 99, 152112.	3.3	16
533	Defect structures in CuInSe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>: A combination of Monte Carlo simulations and density functional theory. Physical Review B, 2011, 83, .	3.2	16
534	Effect of pressure on superconductivity in NaAlSi. Physical Review B, 2012, 86, .	3.2	16
535	Spin-resolved low-energy and hard x-ray photoelectron spectroscopy of off-stoichiometric Co₂MnSi Heusler thin films exhibiting a record TMR. Journal Physics D: Applied Physics, 2015, 48, 164002.	2.8	16
536	Impurity screening and stability of Fermi arcs against Coulomb and magnetic scattering in a Weyl monopnictide. Physical Review B, 2017, 95, .	3.2	16
537	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></m Physical Review B, 2021, 103, .	3.2	16
538	Observation of topological surface states and strong electron/hole imbalance in extreme magnetoresistance compound LaBi. Physical Review Materials, 2018, 2, .	2.4	16
539	Reversible adiabatic temperature change in the shape memory Heusler alloy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ni</mml:mi><mml:mrow>2.4</mml:mrow></mml:msub><mml:mn>2.2< : An effect of structural compatibility. Physical Review Materials, 2018, 2, .	2.4	16
540	Direct Measurement of Helicoid Surface States in RhSi Using Nonlinear Optics. Physical Review Letters, 2021, 127, 157405.	7.8	16

#	Article	IF	Citations
541	Direct observation of the spinâ€“orbit coupling effect in magnetic Weyl semimetal Co3Sn2S2. Npj Quantum Materials, 2022, 7, .	5.2	16
542	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: at room temperature. Physical Review B, 2022, 105, .	3.2	16
543	Tuning the valence in ternary Eu-pnictides: the series EuPd1â^'xAgxP and EuPd1â^'xAuxAs. Journal of Alloys and Compounds, 1997, 246, 21-26.	5.5	15
544	Metal valence states inEu0.7NbO3,EuNbO3,andEu2Nb5O9by TB-LMTO-ASA band-structure calculations and resonant photoemission spectroscopy. Physical Review B, 1998, 57, 1510-1514.	3.2	15
545	New binary antimonide Hf5Sb3. Journal of Alloys and Compounds, 1999, 291, 73-79.	5.5	15
546	Bulk sensitive photo emission spectroscopy of compounds. Journal of Electron Spectroscopy and Related Phenomena, 2007, 156-158, 97-101.	1.7	15
547	Hall effect and electronic structure of films. Journal of Magnetism and Magnetic Materials, 2010, 322, 579-584.	2.3	15
548	Long-term stability of phase-separated half-Heusler compounds. Physical Chemistry Chemical Physics, 2015, 17, 29854-29858.	2.8	15
549	Î²â€Ag₃RuO₄, a Ruthenate(V) Featuring Spin Tetramers on a Twoâ€Ðimensional Trigonal Lattice. Angewandte Chemie - International Edition, 2016, 55, 4467-4471.	13.8	15
550	Large topological Hall effect in an easy-cone ferromagnet (Cr0.9B0.1)Te. Applied Physics Letters, 2020, 117, .	3.3	15
551	Observation of a singular Weyl point surrounded by charged nodal walls in PtGa. Nature Communications, 2021, 12, 3994.	12.8	15
552	Holistic View on Materials Development: Water Electrolysis as a Case Study. Angewandte Chemie - International Edition, 2021, 60, 20094-20100.	13.8	15
553	Quasi-symmetry-protected topology in a semi-metal. Nature Physics, 2022, 18, 813-818.	16.7	15
554	Bonding patterns and instabilities in them=2 Ruddlesdenâ€“Popper phases: LaSr2Mn2O7 and La2CaCu2O6. Journal of Materials Chemistry, 1998, 8, 787-795.	6.7	14
555	Electronic instabilities in compounds with hexagonal nets. Journal of Materials Chemistry, 1999, 9, 451-457.	6.7	14
556	Metalâ€“Metal Distances, Electron Counts, and Superconducting TC's in AM2B2C. Journal of Solid State Chemistry, 2001, 160, 93-99.	2.9	14
557	Electronic and magnetic properties of GdPdSb. Journal Physics D: Applied Physics, 2007, 40, 3024-3029.	2.8	14
558	Crystal structure and physical properties of Mg6Cu16Si7-type M6Ni16Si7, for M=Mg, Sc, Ti, Nb, and Ta. Materials Research Bulletin, 2008, 43, 9-15.	5.2	14

#	Article	IF	Citations
559	Effects of random distribution of Mn,Fe in Co2Mn1âˆ’xFexSi Heusler compounds probed by Mn55 nuclear magnetic resonance. Journal of Applied Physics, 2008, 103, .	2.5	14
560	Charge transfer and tunable minority band gap at the Fermi energy of a quaternaryCo2(MnxTi1âˆ’x)GeHeusler alloy. Physical Review B, 2010, 82, .	3.2	14
561	Electronic structure and nonsaturating magnetoresistance of superconducting Heusler topological insulators. Journal of Applied Physics, 2013, 113, 17E142.	2.5	14
562	Monitoring surface resonances onCo2MnSi(100)by spin-resolved photoelectron spectroscopy. Physical Review B, 2015, 91, .	3.2	14
563	Effects of Annealing on the Martensitic Transformation of Ni-Based Ferromagnetic Shape Memory Heusler Alloys and Nanoparticles. Metals, 2015, 5, 484-503.	2.3	14
564	Magnetically induced. Nature Materials, 2016, 15, 1149-1150.	27.5	14
565	Lifshitz Transitions Induced by Temperature and Surface Doping in Typeâ€Ⅱ Weyl Semimetal Candidate T_dâ€WTe₂. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700209.	2.4	14
566	Observation of a remarkable reduction of correlation effects in BaCr ₂ As ₂ by ARPES. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12425-12429.	7.1	14
567	Large out-of-plane and linear in-plane magnetoresistance in layered hafnium pentatelluride. Physical Review B, 2017, 95, .	3.2	14
568	All Electrical Access to Topological Transport Features in Mn_{1.8}PtSn Films. Nano Letters, 2019, 19, 2366-2370.	9.1	14
569	Constraints on L2 learnersâ€™ processing of wh-dependencies. Language Acquisition and Language Disorders, 2010, , 87-110.	0.1	14
570	Controlling Dzyaloshinskii-Moriya interactions in the skyrmion host candidates FePd1âˆ’xPtxMo3N. Physical Review Materials, 2020, 4, .	2.4	14
571	Temperature dependence of quantum oscillations from non-parabolic dispersions. Nature Communications, 2021, 12, 6213.	12.8	14
572	Magnetization and magnetoresistive response of LiMn2O4 near the charge ordering transition. Journal of Materials Chemistry, 2000, 10, 1921-1924.	6.7	13
573	Powder magnetoresistance of Co2Cr0.6Fe0.4Alâˆ•Al2O3 powder compacts. Applied Physics Letters, 2006, 88, 202504.	3.3	13
574	Ion beam induced modification of exchange interaction and spinâ€“orbit coupling in the Co2FeSi Heusler compound. Journal Physics D: Applied Physics, 2007, 40, 1558-1562.	2.8	13
575	Magnetic and Electronic Properties of RENiBi (RE = Pr, Sm, Gdâ€“Tm, Lu) Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2418-2422.	1.2	13
576	Spin configurations in Co2FeAl0.4Si0.6 Heusler alloy thin film elements. Applied Physics Letters, 2011, 99, .	3.3	13

#	Article	IF	Citations
577	structure-property relations in the distorted ordered double perovskite Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>InReO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	3.2	13
578	STATE OFCoANDMnIN HALF-METALLIC FERROMAGNETCo₂MnSiEXPLORED BY MAGNETIC CIRCULAR DICHROISM IN HARD X-RAY PHOTOELECTRON EMISSION AND SOFT X-RAY ABSORPTION SPECTROSCOPIES. Spin, 2014, 04, 1440017.	1.3	13
579	Topological insulators. MRS Bulletin, 2014, 39, 843-846.	3.5	13
580	A scheme for spin-selective electron localization in Mn₃Ga Heusler material. Journal Physics D: Applied Physics, 2015, 48, 164004.	2.8	13
581	Na₄IrO₄: Squareâ€Planar Coordination of a Transition Metal in d⁵ Configuration due to Weak Onâ€Site Coulomb Interactions. Angewandte Chemie - International Edition, 2015, 54, 5417-5420.	13.8	13
582	A half-metallic half-Heusler alloy having the largest atomic-like magnetic moment at optimized lattice constant. AIP Advances, 2016, 6, .	1.3	13
583	Reducing the Schottky barrier height at the MoSe2/Mo(110) interface in thin-film solar cells: Insights from first-principles calculations. Thin Solid Films, 2016, 606, 143-147.	1.8	13
584	Tunable damping in the Heusler compoundCo2â^'xIrxMnSi. Physical Review B, 2016, 93, .	3.2	13
585	Heteroepitaxial growth of tetragonal Mn2.7â^'xFexGa1.3 (0 â‰¤ x â‰¤ 1.2) Heusler films with perpendicular magnetic anisotropy. APL Materials, 2017, 5, .	5.1	13
586	Pressure-induced transition to the collapsed tetragonal phase in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BaC</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">s</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2017, 95, .	3.2	13
587	Slow Spin Relaxation in Dioxocobaltate(II) Anions Embedded in the Lattice of Calcium Hydroxyapatite. Inorganic Chemistry, 2017, 56, 14077-14083.	4.0	13
588	Superconductivity in Alkaline Earth Metal-Filled Skutterudites Ba_xIr₄X₁₂ (X = As, P). Journal of the American Chemical Society, 2017, 139, 8106-8109.	13.7	13
589	Agreement attraction in native and nonnative speakers of German. Applied Psycholinguistics, 2018, 39, 619-647.	1.1	13
590	Verwey-type charge ordering transition in an open-shell p -electron compound. Science Advances, 2018, 4, eaap7581.	10.3	13
591	Strain and order-parameter coupling in Ni-Mn-Ga Heusler alloys from resonant ultrasound spectroscopy. Physical Review B, 2018, 97, .	3.2	13
592	Are AuPdTM (T = Sc, Y and M = Al, Ga, In), Heusler Compounds Superconductors without Inversion Symmetry?. Materials, 2019, 12, 2580.	2.9	13
593	Heteroepitaxy of Co-Based Heusler Compound/Muscovite for Flexible Spintronics. ACS Applied Materials & Interfaces, 2019, 11, 35162-35168.	8.0	13
594	Effect of magnetic field on the hydrogen evolution activity using non-magnetic Weyl semimetal catalysts. Dalton Transactions, 2020, 49, 3398-3402.	3.3	13

#	Article	IF	Citations
595	Magnetocatalysis: The Interplay between the Magnetic Field and Electrocatalysis. CCS Chemistry, 2021, 3, 2259-2267.	7.8	13
596	Pressure-induced a partial disorder and superconductivity in quasi-one-dimensional Weyl semimetal (NbSe4)2I. Materials Today Physics, 2021, 21, 100509.	6.0	13
597	Giant Topological Hall Effect in the Noncollinear Phase of Two-Dimensional Antiferromagnetic Topological Insulator MnBi₄Te₇. Chemistry of Materials, 2021, 33, 8343-8350.	6.7	13
598	Structural properties of the quaternary Heusler compound Co2 Cr1â^'x Fex Al. Journal of Alloys and Compounds, 2006, 423, 159-162.	5.5	12
599	Giant magnetoresistance in semiconducting DyNiBi. Solid State Communications, 2008, 148, 175-177.	1.9	12
600	A new diluted magnetic semiconductor: The half-metallic ferromagnet CoTi1â^'xFexSb. Journal of Applied Physics, 2008, 103, 07D115.	2.5	12
601	Hard X-ray photoelectron spectroscopy on buried, off-stoichiometric Co x Mn y Ge z (x:z=2:0.38) Heusler thin films. Applied Physics A: Materials Science and Processing, 2013, 111, 395-405.	2.3	12
602	Influence of O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>molecular orientation on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-orbital ordering and exchange pathways in Cs<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>O<mml:mat	3.2	12
603	Structural Implications of Spin, Charge, and Orbital Ordering in Rubidium Sesquioxide, Rb4O6. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1239-1246.	1.2	12
604	Magnetic phase transitions and iron valence in the double perovskite Sr 2 FeOsO 6. Hyperfine Interactions, 2014, 226, 289-297.	0.5	12
605	AgRuO₃, a Strongly Exchangeâ€Coupled Honeycomb Compound Lacking Longâ€Range Magnetic Order. Chemistry - A European Journal, 2017, 23, 4680-4686.	3.3	12
606	Pressure-induced metallization in layered ReSe₂. Journal of Physics Condensed Matter, 2018, 30, 035401.	1.8	12
607	Magnetic and electrical transport signatures of uncompensated moments in epitaxial thin films of the noncollinear antiferromagnet Mn3Ir. Applied Physics Letters, 2019, 115, 062403.	3.3	12
608	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></mml:math> Physical Review B, 2020, 102, .	3.2	12
609	Strong correlation between mobility and magnetoresistance in Weyl and Dirac semimetals. JPhys Materials, 2020, 3, 024003.	4.2	12
610	Tunable e g Orbital Occupancy in Heusler Compounds for Oxygen Evolution Reaction**. Angewandte Chemie, 2021, 133, 5864-5869.	2.0	12
611	Enhancement of basal plane electrocatalytic hydrogen evolution activity via joint utilization of trivial and non-trivial surface states. Applied Materials Today, 2021, 22, 100921.	4.3	12
612	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:msub><mml:mathvariant="normal">I</mml:mi></mml:mrow></mml:math>. Physical Review Materials, 2021, 5, .	2.4	12

#	Article	IF	Citations
613	Transition metal on topological chiral semimetal PdGa with tailored hydrogen adsorption and reduction. Npj Computational Materials, 2021, 7, .	8.7	12
614	Structure and superconductivity in LnNi2B2C: comparison of calculation and experiment. Solid State Communications, 2001, 119, 675-679.	1.9	11
615	A p-type Heusler compound: Growth, structure, and properties of epitaxial thin NiYBi films on MgO(100). Applied Physics Letters, 2012, 101, 212102.	3.3	11
616	Spin texture and mirror Chern number in Hg-based chalcogenides. Physical Review B, 2015, 91, .	3.2	11
617	Sr₂MgOsO₆: A Frustrated Os⁶⁺ (5d²) Double Perovskite with Strong Antiferromagnetic Interactions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 769-771.	1.2	11
618	Experimental evidence for importance of Hund's exchange interaction for incoherence of charge carriers in iron-based superconductors. Physical Review B, 2017, 95, .	3.2	11
619	Two prospective Li-based half-Heusler alloys for spintronic applications based on structural stability and spinâ€“orbit effect. Journal of Applied Physics, 2017, 122, 013901.	2.5	11
620	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, .	3.2	11
621	Role of Magnetic Exchange Interactions in Chiral-Type Hall Effects of Epitaxial Mn_xPtSn Films. ACS Applied Electronic Materials, 2021, 3, 1323-1333.	4.3	11
622	On the anomalous low-resistance state and exceptional Hall component in hard-magnetic Weyl nanoflakes. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	11
623	Heusler Compounds: Applications in Spintronics. , 2016, , 335-364.		11
624	Effect of chemical and hydrostatic pressure on the coupled magnetostructural transition of Ni-Mn-In Heusler alloys. Physical Review Materials, 2019, 3, .	2.4	11
625	Structure-sensitive constraints in non-native sentence processing. Journal of the European Second Language Association, 2019, 3, 12-22.	0.7	11
626	Topological Hall effect arising from the mesoscopic and microscopic non-coplanar magnetic structure in MnBi. Acta Materialia, 2022, 226, 117619.	7.9	11
627	Spin-voltage-driven efficient terahertz spin currents from the magnetic Weyl semimetals Co2MnGa and Co2MnAl. Applied Physics Letters, 2022, 120, .	3.3	11
628	Electronic properties of Co₂MnSi thin films studied by hard x-ray photoelectron spectroscopy. Journal Physics D: Applied Physics, 2009, 42, 084011.	2.8	10
629	Electronic structure and symmetry of valence states of epitaxial NiTiSn and NiZr0.5Hf0.5Sn thin films by hard x-ray photoelectron spectroscopy. Applied Physics Letters, 2011, 99, .	3.3	10
630	Pressure induced insulator/half-metal/metal transition in a strongly correlated<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-electron system. Physical Review B, 2012, 85, .	3.2	10

#	Article	IF	Citations
631	Electronic and crystalline structures of zero band-gap LuPdBi thin films grown epitaxially on MgO(100). Applied Physics Letters, 2013, 102, .	3.3	10
632	Strain behavior and lattice dynamics in Ni50Mn35In15. Journal of Physics Condensed Matter, 2015, 27, 415402.	1.8	10
633	Ultrafine MnWO4 nanoparticles and their magnetic properties. Solid State Sciences, 2015, 46, 89-94.	3.2	10
634	Intercalation effect on hyperfine parameters of Fe in FeSe superconductor with T _c = 42â€šK. Europhysics Letters, 2015, 109, 67004.	2.0	10
635	Magnetic phase coexistence and metastability caused by the first-order magnetic phase transition in the Heusler compound Mn2PtGa. Journal of Applied Physics, 2015, 117, 17D715.	2.5	10
636	Phase transitions of cesium azide at pressures up to 30â€‰GPa studied using in situ Raman spectroscopy. Journal of Applied Physics, 2015, 117, 165901.	2.5	10
637	Miscibility Gap in the Phase Diagrams of Thermoelectric Half-Heusler Materials CoTi $$_{1-x}Y_x$$ 1 - x Y x Sb (Y = Sc, V, Mn, Fe). Journal of Electronic Materials, 2016, 45, 1382-1388.	2.2	10
638	Influence of nanoscale orderâ€“disorder transitions on the magnetic properties of Heusler compounds for spintronics. Journal of Materials Chemistry C, 2017, 5, 4388-4392.	5.5	10
639	Magnetic field induced strong valley polarization in the three-dimensional topological semimetal LaBi. Physical Review B, 2017, 96, .	3.2	10
640	Native and Non-native Speakersâ€™ Brain Responses to Filled Indirect Object Gaps. Journal of Psycholinguistic Research, 2017, 46, 1319-1338.	1.3	10
641	TbO⁺ in a calcium apatite matrix featuring a triple trigger-type relaxation of magnetization. Dalton Transactions, 2019, 48, 5299-5307.	3.3	10
642	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, .	3.2	10
643	Magnetic and electronic coupling 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, .	3.2	10
644	Spin Nernst effect in a p-band semimetal InBi. New Journal of Physics, 2020, 22, 093003.	2.9	10
645	Epitaxial growth, structural characterization, and exchange bias of noncollinear antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Ir</mml:mi></mml:mrow></mml:math> thin films. Physical Review Materials, 2019, 3, .	2.4	10
646	Spintronic THz emitters based on transition metals and semi-metals/Pt multilayers. Applied Physics Letters, 2022, 120, .	3.3	10
647	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.	8.0	10
648	Second-harmonic generation in the topological multifold semimetal RhSi. Physical Review Research, 2022, 4, .	3.6	10

#	Article	IF	Citations
649	MÃ¶ssbauer spectroscopic study of half-Heusler compounds. Hyperfine Interactions, 2007, 168, 1201-1206.	0.5	9
650	Topological Insulators. Springer Series in Materials Science, 2013, , 123-139.	0.6	9
651	Magnetic dichroism study on Mn_{1.8}Co_{1.2}Ga thin film using a combination of x-ray absorption and photoemission spectroscopy. Journal Physics D: Applied Physics, 2015, 48, 164007.	2.8	9
652	Atomic and electronic structures evolution of the narrow band gap semiconductor Ag₂Se under high pressure. Journal of Physics Condensed Matter, 2016, 28, 385801.	1.8	9
653	Tunable structural and magnetic properties of chemically synthesized dual-phase Co₂NiGa nanoparticles. Journal of Materials Chemistry C, 2016, 4, 7241-7252.	5.5	9
654	Development of hard X-ray photoelectron SPLEED-based spectrometer applicable for probing of buried magnetic layer valence states. Journal of Electron Spectroscopy and Related Phenomena, 2016, 211, 12-18.	1.7	9
655	LiCuS, an intermediate phase in the electrochemical conversion reaction of CuS with Li: A potential environment-friendly battery and solar cell material. Solid State Sciences, 2016, 55, 83-87.	3.2	9
656	Muon-spin relaxation study of the double perovskite insulators Sr₂BOsO₆(Bâ€‰â€‰=â€‰â€‰Fe, Y, In). Journal of Physics Condensed Matter, 2016, 28, 076001.	1.8	9
657	Electronic structure and ultrafast dynamics of FeAsâ€based superconductors by angleâ€and timeâ€resolved photoemission spectroscopy. Physica Status Solidi (B): Basic Research, 2017, 254, 1600382.	1.5	9
658	Agreement processing and attraction errors in aging: evidence from subject-verb agreement in German. Aging, Neuropsychology, and Cognition, 2017, 24, 672-702.	1.3	9
659	Hidden type-II Weyl points in the Weyl semimetal NbP. Physical Review B, 2017, 96, .	3.2	9
660	Effects of Aging on Interference During Pronoun Resolution. Journal of Speech, Language, and Hearing Research, 2017, 60, 3573-3589.	1.6	9
661	Increasing skyrmion stability in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Cu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">OSeO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> by chemical substitution. Physical Review B, 2019, 100, .	3.2	9
662	Discovery of Elusive K₄O₆, a Compound Stabilized by Configurational Entropy of Polarons. Angewandte Chemie - International Edition, 2019, 58, 149-153.	13.8	9
663	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></mml:math> Physical Review B, 2020, 102, .	3.2	9
664	Magnon spectrum of the Weyl semimetal half-Heusler compound GdPtBi. Physical Review B, 2020, 101, .	3.2	9
665	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.	2.9	9
666	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.	2.8	9

#	Article	IF	Citations
667	Linkage between scattering rates and superconductivity in doped ferropnictides. Physical Review B, 2021, 103, .	3.2	9
668	Basics and Prospectives of Magnetic HeuslerÂCompounds. Springer Series in Materials Science, 2016, , 37-48.	0.6	9
669	Observation of fractional spin textures in a Heusler material. Nature Communications, 2022, 13, 2348.	12.8	9
670	Thermomagnetic Properties Improved by Selfâ€Organized Flowerâ€Like Phase Separation of Ferromagnetic Co₂Dy_{0.5}Mn_{0.5}Sn. Advanced Functional Materials, 2012, 22, 1822-1826.	14.9	8
671	Topological phase transition in bulk materials described by the coherent potential approximation technique. Physica Status Solidi - Rapid Research Letters, 2013, 7, 82-89.	2.4	8
672	Investigation of the Mn3âˆ'ÎŕGa/MgO interface for magnetic tunneling junctions. Journal of Applied Physics, 2014, 116, 034508.	2.5	8
673	Structural, electronic, and magnetic properties of perpendicularly magnetised Mn2RhSn thin films. Journal Physics D: Applied Physics, 2015, 48, 164008.	2.8	8
674	Phase Separation in RbxFe2âˆ'ySe2 Probed by Non-stoichiometry and Cu Doping. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1315-1319.	1.8	8
675	[Cs₆Cl][Fe₂₄Se₂₆]: A Hostâ€“Guest Compound with Unique Feâ€“Se Topology. Chemistry - A European Journal, 2016, 22, 4626-4631.	3.3	8
676	Isotropic, high coercive field in melt-spun tetragonal Heusler Mn₃Ge. APL Materials, 2016, 4, 086113.	5.1	8
677	Suppression of the ferromagnetic order in the Heusler alloy Ni50Mn35In15 by hydrostatic pressure. Applied Physics Letters, 2016, 108, 261903.	3.3	8
678	â€œIsolatedâ€•DyO⁺ Embedded in a Ceramic Apatite Matrix Featuring Singleâ€Molecule Magnet Behavior with a High Energy Barrier for Magnetization Relaxation. Angewandte Chemie, 2017, 129, 13601-13605.	2.0	8
679	Pressure-induced Lifshitz and structural transitions in NbAs and TaAs: experiments and theory. Journal of Physics Condensed Matter, 2018, 30, 185401.	1.8	8
680	Temperature-induced modification of the Dirac cone in the tetradymite 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></mml:m Physical Review B, 2018, 98, .	3.2	8
681	On J eff =0 Ground State Iridates(V): Tracking Residual Paramagnetism in New Bi2 NaIrO6. Chemistry - A European Journal, 2018, 24, 16762-16765.	3.3	8
682	High-pressure magnetism of the double perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:m studied by synchrotron <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Fe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>57</mml:mn></mml:mmultiscripts></mml:math> MÃ¶ssbauer spectroscopy. Physical Review B,	3.2	8
683	Giant enhancement of the skyrmion stability in a chemically strained helimagnet. Physical Review B, 2019, 100, .	3.2	8
684	Broadband optical conductivity of the chiral multifold semimetal PdGa. Physical Review B, 2021, 103, .	3.2	8

#	Article	IF	Citations
685	Hard magnet topological semimetals in XPt3 compounds with the harmony of Berry curvature. Communications Physics, 2021, 4, .	5.3	8
686	Pressure-induced superconductivity and modification of Fermi surface in type-II Weyl semimetal NbIrTe4. Npj Quantum Materials, 2021, 6, .	5.2	8
687	Nanoscale Noncollinear Spin Textures in Thin Films of a D_{2d} Heusler Compound. Advanced Materials, 2021, 33, e2101323.	21.0	8
688	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: mathvariant="normal">B</mml:mi></mml:mrow></mml:math> at room temperature. Physical Review B, 2022, 105, .	3.2	8
689	Planar B4Rhomboids:Â The Rare Earth Boride Halides RE4X5B4â€. Journal of Physical Chemistry B, 1997, 101, 9951-9957.	2.6	7
690	Preparation of Heusler thin films: The quaternary alloy Co₂Fe_{0.5}Mn_{0.5}Si. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2298-2301.	1.8	7
691	Improvement of structural, electronic, and magnetic properties of Co2MnSi thin films by He+ irradiation. Applied Physics Letters, 2009, 94, 152508.	3.3	7
692	The effect of Fe doping on superconductivity in ZrRuP. Solid State Communications, 2011, 151, 1504-1506.	1.9	7
693	Charge transfer in the novel donorâ€“acceptor complexes tetra- and hexamethoxypyrene with tetracyanoquinodimethane studied by HAXPES. Journal of Electron Spectroscopy and Related Phenomena, 2012, 185, 77-84.	1.7	7
694	Magnetic hardening and antiferromagnetic/ferromagnetic phase coexistence 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</mml:mn> width="0.16em" /><mml:mi>Sn</mml:mi></mml:mrow></mml:math>Heusler solid solutions. Physical Review B, 2016, 94, .	3.2	7
695	Thermoâ€analytical Investigations on the Superoxides AO₂ (A = K, Rb, Cs), Revealing Facile Access to Sesquioxides A₄O₆. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 544-547.	1.2	7
696	Improved thermoelectric properties of TiNiSn through enhancing strain field fluctuation. Journal Physics D: Applied Physics, 2017, 50, 425502.	2.8	7
697	Pressure effect on superconductivity in FeSe_{0.5}Te_{0.5}. Physica Status Solidi (B): Basic Research, 2017, 254, 1600161.	1.5	7
698	Tunable giant magnetocaloric effect with very low hysteresis in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" overflow="scroll"><mml:mrow><mml:mi>M</mml:mi><mml:msub><mml:mi>n</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi Journal of Alloys and Compounds, 2018, 749, 926-930.	5.5	7
699	Prediction of ideal triple degenerate points in HfIrAs and HfIrBi. Physical Review B, 2018, 98, .	3.2	7
700	Effects of chronological age on native and nonnative sentence processing: Evidence from subject-verb agreement in German. Journal of Memory and Language, 2020, 111, 104083.	2.1	7
701	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 single crystals. Physical Review B, 2021, 103, .	3.2	7
702	Ganzheitliche Betrachtung in der Materialentwicklung: Wasserâ€Elektrolyse als Fallbeispiel. Angewandte Chemie, 2021, 133, 20254-20260.	2.0	7

#	Article	IF	Citations
703	Sondheimer oscillations as a probe of non-ohmic flow in WP2 crystals. Nature Communications, 2021, 12, 4799.	12.8	7
704	Design strong anomalous Hall effect via spin canting in antiferromagnetic nodal line materials. Physical Review B, 2021, 104, .	3.2	7
705	Influence of Cr substitution on the reversibility of the magnetocaloric effect in Ni-Cr-Mn-In Heusler alloys. Physical Review Materials, 2021, 5, .	2.4	7
706	Topological phase transition in a magnetic Weyl semimetal. Physical Review B, 2021, 104, .	3.2	7
707	Pressureâ€Driven Magnetoâ€Topological Phase Transition in a Magnetic Weyl Semimetal. Advanced Quantum Technologies, 2022, 5, .	3.9	7
708	Co2CrIn: A Further Magnetic Heusler Compound. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2006, 61, 749-752.	0.7	6
709	The Properties of Co2Cr1-xFexAl Heusler Compounds. Lecture Notes in Physics, 2006, , 113-152.	0.7	6
710	The half-metallic ferromagnet. Journal of Magnetism and Magnetic Materials, 2007, 310, 1823-1825.	2.3	6
711	Spin Polarimetry and Magnetic Dichroism on a Buried Magnetic Layer Using Hard X-ray Photoelectron Spectroscopy. Japanese Journal of Applied Physics, 2012, 51, 016602.	1.5	6
712	New Heusler Compounds and Their Properties. , 2013, , 15-43.		6
713	Structure and electrical resistivity of mixed-valent EuNi2P2at high pressure. Journal of Physics Condensed Matter, 2014, 26, 335701.	1.8	6
714	Sr2OsO5 and Sr7Os4O19, Two Structurally Related, Mott Insulating Osmates(VI) Exhibiting Substantially Reduced Spin Paramagnetic Response. Inorganic Chemistry, 2016, 55, 8201-8206.	4.0	6
715	Evidence for in-plane tetragonal c-axis in MnxGa1â€“x thin films using transmission electron microscopy. Scripta Materialia, 2016, 114, 165-169.	5.2	6
716	Sr₅Os₃O₁₃: a mixed valence osmium(<scp>v</scp>,<scp>vi</scp>) layered perovskite variant exhibiting temperature dependent charge distribution. Dalton Transactions, 2018, 47, 5968-5976.	3.3	6
717	Interplay Between Superconductivity and Magnetism in Cu-Doped FeSe Under Pressure. Journal of Superconductivity and Novel Magnetism, 2018, 31, 763-769.	1.8	6
718	Superconductivity in Weyl Semimetal NbP: Bulk vs. Surface. Journal of Physics: Conference Series, 2019, 1293, 012002.	0.4	6
719	Elusive Valence Transition in Mixed-Valence Sesquioxide Cs₄O₆. Inorganic Chemistry, 2019, 58, 14532-14541.	4.0	6
720	Fine tuning of magnetization relaxation parameters of the DyO⁺ single ion magnet in a hydroxy/fluoro-apatite solid solution. CrystEngComm, 2019, 21, 102-107.	2.6	6

#	Article	IF	Citations
721	Optical method to detect the relationship between chirality of reciprocal space chiral multifold fermions and real space chiral crystals. Physical Review B, 2020, 102, .	3.2	6
722	Effect of uniaxial stress on the electronic band structure of NbP. Physical Review B, 2020, 102, .	3.2	6
723	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 mathvariant="normal">N</mml:mi></mml:mrow></mml:math>. Physical Review B, 2020, 102, .	3.2	6
724	Influence of Electronâ€“Phonon Interaction on the Lattice Thermal Conductivity in Singleâ€Crystal Si. Annalen Der Physik, 2020, 532, 1900435.	2.4	6
725	Synthesis, crystal and magnetic structure of the spin-chain compound Ag2RuO4. Physical Review Materials, 2020, 4, .	2.4	6
726	Electronic instabilities in lithium intercalated ZrSe2. Journal of Materials Chemistry, 1998, 8, 1295-1301.	6.7	5
727	Tl2Au4S3: x = 4/3 member of the series A2 â^' xAuxQ. Preparation and an analysis of its goldâ€“gold bonding. Chemical Communications, 1998, , 1603-1604.	4.1	5
728	High spin polarization in Co₂CrAlâ€“Cr superlattice. Journal Physics D: Applied Physics, 2009, 42, 084014.	2.8	5
729	Investigation of the Thermoelectric Properties of the Series TiCo_{1â€“x}Ni_xSn_xSb_{1â€“x}Â. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 132-136.	1.2	5
730	The role of correlations in the high-pressure phase of FeSe. Journal of Physics Condensed Matter, 2011, 23, 205601.	1.8	5
731	Magnetic dichroism in angular resolved hard X-ray photoelectron spectroscopy from buried magnetic layers. Journal of Electron Spectroscopy and Related Phenomena, 2013, 189, 146-151.	1.7	5
732	Topological Insulators - From Materials Design to Reality. Physica Status Solidi - Rapid Research Letters, 2013, 7, 13-14.	2.4	5
733	Incorporation of Li dopant into Cu2ZnSnSe4 photovoltaic absorber: hybrid-functional calculations. Journal Physics D: Applied Physics, 2015, 48, 482001.	2.8	5
734	Pressure-induced magnetic collapse and metallization of TlFe1.6Se2. Physical Review B, 2017, 96, .	3.2	5
735	Pressure-induced Lifshitz transition in NbP: Raman, x-ray diffraction, electrical transport, and density functional theory. Physical Review B, 2018, 97, .	3.2	5
736	Crystal and magnetic structure of antiferromagnetic Mn₂PtPd. Journal of Physics Condensed Matter, 2018, 30, 265803.	1.8	5
737	Magneto-thermoelectric characterization of a HfTe5 micro-ribbon. Applied Physics Letters, 2019, 115, .	3.3	5
738	Optimization of catalytic active sites in non-collinear antiferromagnetic Mn3Pt bulk single-crystal. Materials Today Physics, 2019, 10, 100137.	6.0	5

#	Article	IF	Citations
739	Impact of fluoride for hydroxide substitution on the magnetic properties of a Co-based single-ion magnet imbedded in the barium apatite crystal lattice. CrystEngComm, 2019, 21, 1193-1199.	2.6	5
740	Idiosyncratic Ag 7 Pt 2 O 7 : An Electron Imprecise yet Diamagnetic Small Band Gap Oxide. Angewandte Chemie - International Edition, 2020, 59, 19910-19913.	13.8	5
741	Water structure near the surface of Weyl semimetals as catalysts in photocatalytic proton reduction. Structural Dynamics, 2020, 7, 034101.	2.3	5
742	Easy-cone magnetic structure in (Cr0.9B0.1)Te. Applied Physics Letters, 2020, 116, 102404.	3.3	5
743	Crystal Growth of Spin-frustrated Ba₄Nb_{0.8}Ir_{3.2}O₁₂: A Possible Spin Liquid Material. Crystal Growth and Design, 2020, 20, 2871-2876.	3.0	5
744	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></mml:m Physical Review Research, 2021, 3, .	3.6	5
745	Spin Polarimetry and Magnetic Dichroism on a Buried Magnetic Layer Using Hard X-ray Photoelectron Spectroscopy. Japanese Journal of Applied Physics, 2012, 51, 016602.	1.5	5
746	Grain boundary in NbCo(Pt)Sn half-Heusler compounds: Segregation and solute drag on grain boundary migration. Acta Materialia, 2022, 226, 117604.	7.9	5
747	Anisotropic large diamagnetism in Dirac semimetals ZrTe₅ and HfTe₅. Journal of Physics Condensed Matter, 2022, 34, 225802.	1.8	5
748	Electronic structure and low-temperature thermoelectric transport of TiCoSb single crystals. Nanoscale, 0, , .	5.6	5
749	Magnetic properties of GdPdSb and GdNiSb studied by 155Gd-MÃ¶ssbauer spectroscopy. Journal of Alloys and Compounds, 2009, 480, 117-119.	5.5	4
750	Structure determination of thin CoFe films by anomalous x-ray diffraction. Journal of Applied Physics, 2012, 112, 074903.	2.5	4
751	Hard x-ray photoelectron spectroscopy of chalcopyrite solar cell components. Applied Physics Letters, 2012, 100, 092108.	3.3	4
752	Magneto-optical characterization of single crystalline Co₂FeAl_{0.4}Si_{0.6}thin films on MgO(1â€‰0â€‰0) substrates with Cr and MgO seed layers. Journal Physics D: Applied Physics, 2013, 46, 475001.	2.8	4
753	Fabrication and characterization of semiconducting halfâ€Heusler YPtSb thin films. Physica Status Solidi - Rapid Research Letters, 2013, 7, 145-147.	2.4	4
754	Resonant impurity states in chemically disordered half-Heusler Dirac semimetals. Physical Review B, 2016, 93, .	3.2	4
755	Correlation Between T c and Hyperfine Parameters of Fe in Layered Chalcogenide Superconductors. Journal of Superconductivity and Novel Magnetism, 2016, 29, 573-576.	1.8	4
756	L1₀ Stacked Binaries as Candidates for Hardâ€Magnets: FePt, MnAl and MnGa. Annalen Der Physik, 2017, 529, 1600412.	2.4	4

#	Article	IF	Citations
757	A new stacking variant of Na₂Pt(OH)₆. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 831-836.	0.7	4
758	Observation of Landau quantization and standing waves in HfSiS. Physical Review B, 2018, 97, .	3.2	4
759	Large resistivity reduction in mixed-valent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CsAuBr</mml:mi><mml:mn>3</mml:mn></mml:msub><(under pressure. Physical Review B, 2019, 100, .	3.2	4
760	Structure and Magnetic Properties of Sr₂NaOsO₆. European Journal of Inorganic Chemistry, 2020, 2020, 3991-3995.	2.0	4
761	Composition-dependent transition in the magnetocrystalline anisotropy of tetragonal Heusler alloys Rh2TSb(T=Fe,Co). Physical Review Materials, 2021, 5, .	2.4	4
762	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:msub><mml:mn></mml: thin films. Physical Review B, 2021, 104, .	3.2	4
763	Direct and Indirect Determination of the Magnetocaloric Effect in the Heusler Compound Ni1.7Pt0.3MnGa. Entropy, 2021, 23, 1273.	2.2	4
764	Anisotropic Nodalâ€Lineâ€Derived Large Anomalous Hall Conductivity in ZrMnP and HfMnP. Advanced Materials, 2021, 33, 2104126.	21.0	4
765	Tunable magnetic properties in tetragonal Mn-Fe-Ga Heusler films with perpendicular anisotropy for spintronics applications. Physical Review Materials, 2018, 2, .	2.4	4
766	Pressure tuning of the electrical transport properties in the Weyl semimetal TaP. Physical Review Materials, 2019, 3, .	2.4	4
767	Ultrafast Subâ€100 fs Allâ€Optical Modulation and Efficient Thirdâ€Harmonic Generation in Weyl Semimetal Niobium Phosphide Thin Films. Advanced Materials, 2022, 34, e2106733.	21.0	4
768	Giant Chern number of a Weyl nodal surface without upper limit. Physical Review B, 2022, 105, .	3.2	4
769	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.	4.0	4
770	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, .	7.1	4
771	Spatial inhomogeneities and defect structures in CIGS and CIS materials: An ab-initio based Monte Carlo study. , 2011, , .		3
772	Theory of the Half-Metallic Heusler Compounds. , 2013, , 115-165.		3
773	Pb₂PdO₂(OH)₂ and Pb₂PdO(OH)₄(H₂O): Synthesis and Crystal Growth at Ambient Conditions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1473-1479.	1.2	3
774	Spintronic properties of Li1.5Mn0.5Z (Z=As, Sb) compounds in the Cu2Sb structure. Journal of Magnetism and Magnetic Materials, 2015, 377, 411-418.	2.3	3

#	Article	IF	Citations
775	Î²â€Ag₃RuO₄, a Ruthenate(V) Featuring Spin Tetramers on a Twoâ€Dimensional Trigonal Lattice. Angewandte Chemie, 2016, 128, 4543-4547.	2.0	3
776	Enhanced magnetization and anisotropy in Mn-Ga thin films grown on LSAT. Applied Physics Letters, 2017, 111, .	3.3	3
777	Unconventional spin-dependent thermopower in epitaxial Co2Ti0.6V0.4Sn0.75 Heusler film. Solid State Communications, 2019, 299, 113661.	1.9	3
778	Terahertz transmission through TaAs single crystals in simultaneously applied magnetic and electric fields: Possible optical signatures of the chiral anomaly in a Weyl semimetal. Results in Physics, 2019, 15, 102630.	4.1	3
779	A combined laser-based angle-resolved photoemission spectroscopy and two-photon photoemission spectroscopy study of Tdâ€“WTe₂. Journal of Physics Condensed Matter, 2020, 32, 345503.	1.8	3
780	Crystal Growth of a New 8H Perovskite Sr₈Os_{6.3}O₂₄ Exhibiting High T_C Ferromagnetism. Crystal Growth and Design, 2021, 21, 2459-2464.	3.0	3
781	Magnetocrystalline anisotropies in MnxPtSn thin films. APL Materials, 2021, 9, .	5.1	3
782	Giant Anomalous Hall Conductivity in the Itinerant Ferromagnet LaCrSb₃ and the Effect of fâ€Electrons. Advanced Quantum Technologies, 2021, 4, 2100023.	3.9	3
783	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:msub></mml:mrow></mml:math>. Physical Review B, 2021, 103, .	3.2	3
784	Quantum Oscillations in Ferromagnetic (Sb, V) 2 Te 3 Topological Insulator Thin Films. Advanced Materials, 2021, 33, 2102107.	21.0	3
785	Topological Insulators Within the Family of Heusler Materials. Springer Series in Materials Science, 2016, , 465-477.	0.6	3
786	Spin-dimer ground state driven by consecutive charge and orbital ordering transitions in the anionic mixed-valence compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Rb</mml:mi><mml:mn>4</mml:mn><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2020, 101, .	3.2	3
787	Quasi-quantized Hall response in bulk InAs. Scientific Reports, 2022, 12, 2153.	3.3	3
788	Buckled Honeycomb Lattice Compound Sr₃CaOs₂O₉ Exhibiting Antiferromagnetism above Room Temperature. Chemistry of Materials, 2022, 34, 4741-4750.	6.7	3
789	Fully Two-Dimensional Incommensurate Charge Modulation on the Pd-Terminated Polar Surface of PdCoO₂. Nano Letters, 2022, 22, 5635-5640.	9.1	3
790	MÃ¶ssbauer spectroscopy of Co2Mn1â€‰â^'â€‰x Fe x Al. Hyperfine Interactions, 2008, 184, 15-21.	0.5	2
791	Magnetic and Structural Properties of Heusler Compounds with 27.8 Valence ElectronsÂ. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 966-971.	1.2	2
792	Half-Metallic Ferromagnets. , 2013, , 71-95.		2

#	Article	IF	Citations
793	Predicting the stability of surface phases of molybdenum selenides. Applied Physics Letters, 2014, 104, .	3.3	2
794	Heusler Compounds: Applications in Spintronics. , 2015, , 1-24.		2
795	Structural transitions under high-pressure in a langasite-type multiferroic Ba3TaFe3Si2O14. Solid State Sciences, 2015, 49, 37-42.	3.2	2
796	MnxGa1â˜'x nanodots with high coercivity and perpendicular magnetic anisotropy. Applied Surface Science, 2016, 387, 1169-1173.	6.1	2
797	Evolution of magnetic fluctuations through the Fe-induced paramagnetic to ferromagnetic transition inCr2B. Physical Review B, 2016, 93, .	3.2	2
798	Pressure-tuning of the magnetic properties of the Heusler compound Mn2PtGa. Journal of Applied Physics, 2018, 124, .	2.5	2
799	New Ag₈PtO₆: synthesis, crystal structure, physical properties and theoretical analyses. Dalton Transactions, 2019, 48, 5058-5063.	3.3	2
800	Discovery of Elusive K₄O₆, a Compound Stabilized by Configurational Entropy of Polarons. Angewandte Chemie, 2019, 131, 155-159.	2.0	2
801	Optical conductivity of the type-II Weyl semimetal WTe2 under pressure. Physical Review B, 2020, 102, .	3.2	2
802	(Quasi-)Quantization of the electrical, thermal, and thermoelectrical conductivities in two and three dimensions. Journal of Physics Communications, 2021, 5, 045007.	1.2	2
803	Weyl Nodes Close to the Fermi Energy in NbAs. Physica Status Solidi (B): Basic Research, 0, , 2100165.	1.5	2
804	Gradience in subjectâ€“verb number agreement: Can bilinguals tune in?. Applied Psycholinguistics, 2021, 42, 1523-1551.	1.1	2
805	Heusler Compounds Go Nano. Springer Series in Materials Science, 2016, , 111-132.	0.6	2
806	From antiferromagnetism to high- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:ma weak ferromagnetism manipulated by atomic rearrangement in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Ba</mml:mi></mml:mrow><mml:mn>3</mml:mn mathvariant="normal">O</mml:mi></mml:mrow><mml:. Physical Review Materials, 2020, 4, .	2.4	2
807	Noncollinear magnetic order in epitaxial thin films of the centrosymmetric MnPtGa hard magnet. Applied Physics Letters, 2022, 120, 172403.	3.3	2
808	Electronic and Magnetic Properties of Li_{1.5}Mn_{0.5}As Alloys in the Cu₂Sb Structure. Advanced Materials Research, 0, 702, 231-235.	0.3	1
809	Heusler Compounds at a Glance. , 2013, , 1-13.		1
810	Crystal Structure of Heusler Compounds. , 2013, , 45-59.		1

#	Article	IF	Citations
811	Theoretical study of Zn and Cd interstitials and substitutional interstitials in CuInSe2 via hybrid functional calculations. , 2013, , .		1
812	Hybrid functional calculations on the Na and K impurities in substitutional and interstitial positions in Cu2ZnSnSe4. , 2015, , .		1
813	Forward scattering in hard X-ray photoelectron spectroscopy: Structural investigation of buried Mnâ€“Ga films. Applied Physics Letters, 2015, 106, 052402.	3.3	1
814	Topological Materials in Heusler Compounds. Springer Series in Solid-state Sciences, 2018, , 199-210.	0.3	1
815	Circumventing the perovskite pattern: Linear ruthenate(V) polyoxoanions in Bi2NaRuO6. Solid State Sciences, 2018, 82, 52-58.	3.2	1
816	Tuning nature and temperature of structural and magnetic phase transitions of Mn3Cu1âˆ’yMyN1âˆ’xCx (M=Ag, Ni). Journal of Alloys and Compounds, 2019, 793, 185-190.	5.5	1
817	Co₃O₄-Î³-Fe₂O₃ Nanocrystal Heterostructures with Enhanced Coercivity and Blocking Temperature. Journal of Physical Chemistry C, 2020, 124, 1623-1630.	3.1	1
818	Idiosyncratic Ag 7 Pt 2 O 7 : An Electron Imprecise yet Diamagnetic Small Band Gap Oxide. Angewandte Chemie, 2020, 132, 20082-20085.	2.0	1
819	Metallic Magnetic Materials. , 2021, , 1-116.		1
820	Thermoelectric Materials: Thermoelectric Properties of Novel Semimetals: A Case Study of YbMnSb₂ (Adv. Mater. 7/2021). Advanced Materials, 2021, 33, 2170051.	21.0	1
821	Observation of the critical state to multiple-type Dirac semimetal phases in KMgBi. Journal of Applied Physics, 2021, 129, .	2.5	1
822	Brain responses elicited by implausible fillers and filled object gaps in German. Language Acquisition and Language Disorders, 2020, , 75-90.	0.1	1
823	Cuâ€”Cu Interactions in the Transparent p-Type Conductors: CuAlO2 and SrCu2O2. ChemInform, 2003, 34, no.	0.0	0
824	An Inorganic Double Helix Sheathing Alkali Metal Cations: ANb2P2S12 (A: K, Rb, Cs), a Series of Thiophosphates Close to the Metalâ€”Nonmetal Boundary â€” Chalcogenide Analogues of Transition-Metal Phosphate Bronzes?. ChemInform, 2004, 35, no.	0.0	0
825	Crystal structure, magnetism and bonding of the hexagonal compounds Pd1.63Mn0.37Si and Pd1.82Mn0.18Ge related to the Fe2P structure. Journal Physics D: Applied Physics, 2007, 40, 3915-3920.	2.8	0
826	Giant Magnetoresistance in Rare Earth Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2033-2033.	1.2	0
827	Ferromagnetic Ordering in GdPdCd.. ChemInform, 2010, 33, 14-14.	0.0	0
828	A theoretical investigation on the Cd doping of Cu-depleted CuInSe<inf>2</inf> materials. , 2011, , .		0

#	Article	IF	Citations
829	Topological Insulators from a Chemist's Perspective. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1641-1641.	1.2	0
830	Substitution Effects in Double Perovskites: How the Crystal Structure Influences the Electronic Properties. , 2013, , 61-70.		0
831	Hard X-Ray Photoelectron Spectroscopy of New Materials for Spintronics. , 2013, , 243-269.		0
832	New developments in the area of topological insulators. AIP Conference Proceedings, 2015, , .	0.4	0
833	Na2Bi5AuO11 revisited. Materials Research Bulletin, 2019, 119, 110534.	5.2	0
834	Terahertz Anomalous Hall Effect in Mn2-xPtSn. , 2019, , .		0
835	Pressure-Induced Charge Disorderâ€“Order Transition in the Cs₄O₆ Sesquioxide. Inorganic Chemistry, 2020, 59, 1256-1264.	4.0	0
836	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.	1.2	0
837	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></mml:msub></mml:mrow></mml:math> Physical Review Materials, 2021, 5, .	2.4	0
838	MÃ¶ssbauer spectroscopy of Co2Mn1â€‰â^'â€‰x Fe x Al. , 2008, , 429-435.		0
839	Magneto-Optics of the Weyl Semimetal TaAs in the THz and IR Regions. , 2020, , .		0
840	Metallic Magnetic Materials. , 2021, , 693-808.		0