

Claudia Felser

List of Publications by Year in descending order

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454
papers

32,888
citations

4942

84
h-index

5663

162
g-index

468
all docs

468
docs citations

468
times ranked

19823
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple rules for the understanding of Heusler compounds. Progress in Solid State Chemistry, 2011, 39, 1-50.	3.9	1,742
2	Topological Materials: Weyl Semimetals. Annual Review of Condensed Matter Physics, 2017, 8, 337-354.	5.2	1,110
3	Spintronics: A Challenge for Materials Science and Solid-State Chemistry. Angewandte Chemie - International Edition, 2007, 46, 668-699.	7.2	963
4	Extremely large magnetoresistance and ultrahigh mobility in the topological Weyl semimetal candidate NbP. Nature Physics, 2015, 11, 645-649.	6.5	893
5	Grammatical processing in language learners. Applied Psycholinguistics, 2006, 27, 3-42.	0.8	825
6	Tunable multifunctional topological insulators in ternary Heusler compounds. Nature Materials, 2010, 9, 541-545.	13.3	804
7	Calculated electronic and magnetic properties of the half-metallic, transition metal based Heusler compounds. Journal Physics D: Applied Physics, 2007, 40, 1507-1523.	1.3	717
8	Superconductivity in Weyl semimetal candidate MoTe ₂ . Nature Communications, 2016, 7, 11038.	5.8	611
9	Large anomalous Hall effect driven by a nonvanishing Berry curvature in the noncolinear antiferromagnet Mn ₃ Ge. Science Advances, 2016, 2, e1501870.	4.7	561
10	Geometric, electronic, and magnetic structure of Co ₂ FeSi: Curie temperature and magnetic moment measurements and calculations. Physical Review B, 2005, 72, .	1.1	513
11	Magnetic antiskyrmions above room temperature in tetragonal Heusler materials. Nature, 2017, 548, 561-566.	13.7	513
12	Prediction of Weyl semimetal in orthorhombic MoTe_2 . Physical Review B, 2015, 92, .		
13	Fermi-arc diversity on surface terminations of the magnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . Science, 2019, 365, 1286-1291.	6.0	441
14	Negative magnetoresistance without well-defined chirality in the Weyl semimetal TaP. Nature Communications, 2016, 7, 11615.	5.8	429
15	Realization of Spin Gapless Semiconductors: The Heusler Compound Mn_2CoAl . Physical Review Letters, 2013, 110, 100401.	2.9	417
16	Investigation of Co ₂ FeSi: The Heusler compound with highest Curie temperature and magnetic moment. Applied Physics Letters, 2006, 88, 032503.	1.5	381
17	Engineering half-Heusler thermoelectric materials using Zintl chemistry. Nature Reviews Materials, 2016, 1, .	23.3	340
18	Properties of the quaternary half-metal-type Heusler alloy $\text{Co}_2\text{Mn}_1\text{xFe}_\text{x}\text{Si}$. Physical Review B, 2006, 74, .	1.1	274

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19	How native-like is non-native language processing?. Trends in Cognitive Sciences, 2006, 10, 564-570.	4.0	270
20	Covalent bonding and the nature of band gaps in some half-Heusler compounds. Journal Physics D: Applied Physics, 2006, 39, 776-785.	1.3	262
21	Design of compensated ferrimagnetic Heusler alloys for giant tunable exchange bias. Nature Materials, 2015, 14, 679-684.	13.3	250
22	Dysprosium Room-Temperature Ionic Liquids with Strong Luminescence and Response to Magnetic Fields. Angewandte Chemie - International Edition, 2008, 47, 7635-7638.	7.2	246
23	High-throughput calculations of magnetic topological materials. Nature, 2020, 586, 702-707.	13.7	241
24	Quaternary half-metallic Heusler ferromagnets for spintronics applications. Physical Review B, 2011, 83, .	1.1	237
25	Correlation in the transition-metal-based Heusler compounds Co_2MnSi and Co_2FeSi . Physical Review B, 2006, 73, .	1.1	236
26	Structural, electronic, and magnetic properties of tetragonal GaMn_3 . Physical Review B, 2008, 77, .	1.1	236
27	Design Scheme of New Tetragonal Heusler Compounds for Spin-Transfer Torque Applications and its Experimental Realization. Advanced Materials, 2012, 24, 6283-6287.	11.1	226
28	Experimental signatures of the mixed axial-gravitational anomaly in the Weyl semimetal NbP. Nature, 2017, 547, 324-327.	13.7	222
29	Electronic, structural, and magnetic properties of the half-metallic ferromagnetic quaternary Heusler compounds CoFeMnZ ($\text{Z} = \text{Tl}, \text{Pb}, \text{Bi}, \text{Po}, \text{At}, \text{Rn}$). Physical Review B, 2017, 95, 040401.	1.1	221
30	Valence electron rules for prediction of half-metallic compensated-ferrimagnetic behaviour of Heusler compounds with complete spin polarization. Journal of Physics Condensed Matter, 2006, 18, 6171-6181.	0.7	209
31	Slater-Pauling rule and Curie temperature of Co_2 -based Heusler compounds. Journal of Applied Physics, 2006, 99, 08J106.	1.1	201
32	New quaternary half metallic material CoFeMnSi . Journal of Applied Physics, 2009, 105, .	1.1	197
33	Strong anisotropic anomalous Hall effect and spin Hall effect in the chiral antiferromagnetic compounds Mn_2B and Mn_2C . Physical Review B, 2017, 95, 040401.	1.1	197
34	The processing of ambiguous sentences by first and second language learners of English. Applied Psycholinguistics, 2003, 24, 453-489.	0.8	188
35	Extremely high magnetoresistance and conductivity in the type-II Weyl semimetals WTe_2 and MoP_2 . Nature Communications, 2017, 8, 1642.	5.8	178
36	Basics and prospective of magnetic Heusler compounds. APL Materials, 2015, 3, 041518.	2.2	177

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37	Double crystallographic groups and their representations on the Bilbao Crystallographic Server. Journal of Applied Crystallography, 2017, 50, 1457-1477.	1.9	177
38	III-V half-Heusler compounds for optoelectronics: <i>Ab initio</i> calculations. Physical Review B, 2010, 81, .	1.1	172
39	Weyl Semimetals as Hydrogen Evolution Catalysts. Advanced Materials, 2017, 29, 1606202.	11.1	169
40	Spin-Polarized Current in Noncollinear Antiferromagnets. Physical Review Letters, 2017, 119, 187204.	2.9	168
41	GAPS IN SECOND LANGUAGE SENTENCE PROCESSING. Studies in Second Language Acquisition, 2005, 27, .	1.8	167
42	Heusler Compoundsâ€™ A Material Class With Exceptional Properties. IEEE Transactions on Magnetics, 2011, 47, 367-373.	1.2	167
43	Strong Intrinsic Spin Hall Effect in the TaAs Family of Weyl Semimetals. Physical Review Letters, 2016, 117, 146403.	2.9	164
44	Topological insulators and thermoelectric materials. Physica Status Solidi - Rapid Research Letters, 2013, 7, 91-100.	1.2	162
45	Morphological Structure in Native and Nonnative Language Processing. Language Learning, 2010, 60, 21-43.	1.4	159
46	Topological surface Fermi arcs in the magnetic Weyl semimetal CoS_2 . Physical Review B, 2018, 97, .	1.1	159
47	Wh-copying, phases, and successive cyclicity. Lingua, 2004, 114, 543-574.	0.4	154
48	A large-energy-gap oxide topological insulator based on the superconductor BaBiO ₃ . Nature Physics, 2013, 9, 709-711.	6.5	152
49	Continuity and shallow structures in language processing. Applied Psycholinguistics, 2006, 27, 107-126.	0.8	148
50	Rational design of new materials for spintronics: Co_2FeZ ($Z = \text{Al, Ga, Si, Ge}$). Science and Technology of Advanced Materials, 2008, 9, 014102.	2.8	148
51	Topological states on the gold surface. Nature Communications, 2015, 6, 10167.	5.8	148
52	Multiple Dirac cones at the surface of the topological metal LaBi. Nature Communications, 2017, 8, 13942.	5.8	135
53	Progress and prospects in magnetic topological materials. Nature, 2022, 603, 41-51.	13.7	133
54	Heusler 4.0: Tunable Materials. Annual Review of Materials Research, 2017, 47, 247-270.	4.3	132

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55	Crystal Structure of New Heusler Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 976-981.	0.6	131
56	Electronic structure and spectroscopy of the quaternary Heusler alloy $\text{Co}_2\text{Cr}_{1-x}\text{FexAl}$. Journal Physics D: Applied Physics, 2006, 39, 803-815.	1.3	130
57	SOME NOTES ON THE SHALLOW STRUCTURE HYPOTHESIS. Studies in Second Language Acquisition, 2018, 40, 693-706.	1.8	129
58	Helicity-dependent photocurrents in the chiral Weyl semimetal RhSi. Science Advances, 2020, 6, eaba0509.	4.7	129
59	Processing wh-dependencies in a second language: a cross-modal priming study. Second Language Research, 2007, 23, 9-36.	1.2	125
60	Magnetism in cubic manganese-rich Heusler compounds. Physical Review B, 2014, 90, .	1.1	119
61	Itinerant half-metallic ferromagnets $\text{Co}_2\text{Cr}_{1-x}\text{FexAl}$		

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73	Phase separation in superconducting and antiferromagnetic $\text{Rb}_{0.8}\text{MnO}_2$ by Mössbauer spectroscopy. Physical Review B, 2011, 84, .	1.1	98
74	Efficient Spin Injector Scheme Based on Heusler Materials. Physical Review Letters, 2011, 107, 047202.	2.9	96
75	Switchable magnetic bulk photovoltaic effect in the two-dimensional magnet CrI_3 . Nature Communications, 2019, 10, 3783.	5.8	96
76	Design of magnetic materials: the electronic structure of the ordered, doped Heusler compound $\text{Co}_2\text{Cr}_{1-x}\text{Fe}_x\text{Al}$. Journal of Physics Condensed Matter, 2005, 17, 7237-7252.	0.7	95
77	Plausibility and recovery from garden paths in second language sentence processing. Applied Psycholinguistics, 2011, 32, 299-331.	0.8	93
78	Elliptical Bloch skyrmion chiral twins in an antiskyrmion system. Nature Communications, 2020, 11, 1115.	5.8	92
79	Topological Insulators from a Chemist's Perspective. Angewandte Chemie - International Edition, 2012, 51, 7221-7225.	7.2	91
80	Superconductivity in palladium-based Heusler compounds. Physical Review B, 2009, 79, .	1.1	89
81	Topological Insulators in Ternary Compounds with a Honeycomb Lattice. Physical Review Letters, 2011, 106, 156402.	2.9	89
82	Robust 2D Topological Insulators in van der Waals Heterostructures. ACS Nano, 2014, 8, 10448-10454.	7.3	88
83	Actinide Topological Insulator Materials with Strong Interaction. Science, 2012, 335, 1464-1466.	6.0	85
84	Prediction of Weak Topological Insulators in Layered Semiconductors. Physical Review Letters, 2012, 109, 116406.	2.9	85
85	All topological bands of all nonmagnetic stoichiometric materials. Science, 2022, 376, eabg9094.	6.0	84
86	Electrical and Optical Properties of Sb-Doped BaSnO_3 . Chemistry of Materials, 2013, 25, 3858-3866.	3.2	83
87	Large Magnetization and Reversible Magnetocaloric Effect at the Second-Order Magnetic Transition in Heusler Materials. Advanced Materials, 2016, 28, 3321-3325.	11.1	83
88	Observation of pseudo-two-dimensional electron transport in the rock salt-type topological semimetal LaBi . Physical Review B, 2016, 93, .	1.1	83
89	Visualizing weakly bound surface Fermi arcs and their correspondence to bulk Weyl fermions. Science Advances, 2016, 2, e1600709.	4.7	83
90	Dirac dispersion generates unusually large Nernst effect in Weyl semimetals. Physical Review B, 2018, 97, .	1.1	83

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91	Seebeck coefficients of half-metallic ferromagnets. Solid State Communications, 2010, 150, 529-532.	0.9	82
92	Processing reflexives in a second language: The timing of structural and discourse-level constraints. Applied Psycholinguistics, 2012, 33, 571-603.	0.8	82
93	Magnetic and electronic properties of double perovskites and estimation of their Curie temperatures by <i>ab initio</i> calculations. Physical Review B, 2008, 78, .	1.1	81
94	Enhancing Thermoelectric Performance of TiNiSn Half-Heusler Compounds via Modulation Doping. Chemistry of Materials, 2017, 29, 7042-7048.	3.2	81
95	The topology of electronic band structures. Nature Materials, 2021, 20, 293-300.	13.3	81
96	FAIR data enabling new horizons for materials research. Nature, 2022, 604, 635-642.	13.7	81
97	Berry curvature and the anomalous Hall effect in Heusler compounds. Physical Review B, 2012, 85, .	1.1	79
98	Electronic structure and transport properties of the Heusler compound Co_2TiAl . Journal Physics D: Applied Physics, 2009, 42, 084003.	1.3	78
99	Antecedent Priming at Trace Positions in Children's Sentence Processing. Journal of Psycholinguistic Research, 2007, 36, 175-188.	0.7	77
100	Magnetism in tetragonal manganese-rich Heusler compounds. Physical Review B, 2015, 92, .	1.1	77
101	Metal-insulator transition and the anomalous Hall effect in the layered magnetic materials VS_2 and VSe_2 . New Journal of Physics, 2016, 18, 113038.	1.2	75
102	Prediction of Triple Point Fermions in Simple Half-Heusler Topological Insulators. Physical Review Letters, 2017, 119, 136401.	2.9	75
103	Prediction of a magnetic Weyl semimetal without spin-orbit coupling and strong anomalous Hall effect in the Heusler compensated ferrimagnet $\text{Ti}_2\text{Mn}_2\text{Mn}_2$. Physical Review B, 2018, 97, .	1.1	74
104	Axion physics in condensed-matter systems. Nature Reviews Physics, 2020, 2, 682-696.	11.9	74
105	Tuning the magnetism of the Heusler alloys $\text{Mn}_3\text{Co}_x\text{Ga}$ from soft and half-metallic to hard-magnetic for spin-transfer torque applications. Applied Physics Letters, 2011, 99, 222510.	1.5	72
106	Termination layer compensated tunnelling magnetoresistance in ferrimagnetic Heusler compounds with high perpendicular magnetic anisotropy. Nature Communications, 2016, 7, 10276.	5.8	72
107	Departure from the Wiedemann-Franz law in WP2 driven by mismatch in T-square resistivity prefactors. Npj Quantum Materials, 2018, 3, .	1.8	72
108	Giant anomalous Nernst signal in the antiferromagnet YbMnBi_2 . Nature Materials, 2022, 21, 203-209.	13.3	72

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109	Thermoelectric properties of spark plasma sintered composites based on TiNiSn half-Heusler alloys. Journal of Materials Research, 2011, 26, 1919-1924.	1.2	71
110	Chiral magnetoresistance in the Weyl semimetal NbP. Scientific Reports, 2017, 7, 43394.	1.6	71
111	Synthesis, Crystal Structure, and Physical Properties of Sr ₂ FeOsO ₆ . Inorganic Chemistry, 2013, 52, 6713-6719.	1.9	68
112	New Mn ₂ -based Heusler Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 738-752.	0.6	68
113	Anomalous and topological Hall effects in epitaxial thin films of the noncollinear antiferromagnet Mn_3 . Physical Review B, 2020, 101, .	1.1	68
114	Children's processing of reflexives and pronouns in English: Evidence from eye-movements during listening. Journal of Memory and Language, 2011, 65, 128-144.	1.1	67
115	First-principles study of the structural stability of cubic, tetragonal and hexagonal phases in Mn ₃ Z (Z=Ga, Sn and Ge) Heusler compounds. Journal of Physics Condensed Matter, 2013, 25, 206006.	0.7	67
116	The on-line application of binding Principle A in English as a second language. Bilingualism, 2009, 12, 485-502.	1.0	66
117	Pressure-induced superconductivity up to 13.1 K in the pyrite phase of palladium diselenide PdS_2 . Physical Review B, 2017, 96, .	1.1	66
118	Demonstration of valley anisotropy utilized to enhance the thermoelectric power factor. Nature Communications, 2021, 12, 5408.	5.8	66
119	The role of working memory in the processing of reflexives. Language and Cognitive Processes, 2013, 28, 188-219.	2.3	65
120	Topological materials discovery from crystal symmetry. Nature Reviews Materials, 2022, 7, 196-216.	23.3	65
121	Catalogue of flat-band stoichiometric materials. Nature, 2022, 603, 824-828.	13.7	65
122	Antecedent priming at trace positions in Japanese long-distance scrambling. Journal of Psycholinguistic Research, 2002, 31, 531-571.	0.7	64
123	Quantum oscillations and the Fermi surface topology of the Weyl semimetal NbP. Physical Review B, 2016, 93, .	1.1	64
124	Half-metallic ferromagnetism with high magnetic moment and high Curie temperature in Co ₂ FeSi. Journal of Applied Physics, 2006, 99, 08J103.	1.1	63
125	Structural and magnetic properties of Co ₂ FeAl _{1-x} Si _x . Applied Physics Letters, 2007, 90, 242503.	1.5	63
126	Perception and control: a Minimalist analysis of English direct perception complements. Journal of Linguistics, 1998, 34, 351-385.	0.5	62

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127	Fine tuning of thermoelectric performance in phase-separated half-Heusler compounds. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10409-10414.	2.7	62
128	The Role of Ionized Impurity Scattering on the Thermoelectric Performances of Rock Salt $\text{AgPb}_m\text{SnSe}_{2+m}$. <i>Advanced Functional Materials</i> , 2016, 26, 5149-5157.	7.8	62
129	Elastic properties and stability of Heusler compounds: Cubic Co_2YZ compounds with L_{21} structure. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	62
130	Topological insulators in filled skutterudites. <i>Physical Review B</i> , 2012, 85, .	1.1	61
131	A combined experimental and theoretical study of the structural, electronic and vibrational properties of bulk and few-layer Td-WTe_2 . <i>Journal of Physics Condensed Matter</i> , 2015, 27, 285401.	0.7	61
132	A nondestructive analysis of the B diffusion in $\text{TaCoFeBâ€“MgOâ€“CoFeBâ€“Ta}$ magnetic tunnel junctions by hard x-ray photoemission. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	60
133	Lattice-Site-Specific Spin Dynamics in Double Perovskite $\text{Sr}_2\text{Mn}_2\text{O}_7$. <i>Physical Review Letters</i> , 2014, 112, 147202.	2.9	59
134	Resolving the topological classification of bismuth with topological defects. <i>Science Advances</i> , 2019, 5, eaax6996.	4.7	59
135	Structure and properties of CoMnSb in the context of half-metallic ferromagnetism. <i>Physical Review B</i> , 2006, 74, .	1.1	58
136	Electron correlations in $\text{Co}_2\text{Mn}_2\text{Fe}_2\text{Si}$ Heusler compounds. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 084002.	1.3	58
137	Dysprosium-Based Ionic Liquid Crystals: Thermal, Structural, Photo- and Magnetophysical Properties. <i>Crystal Growth and Design</i> , 2009, 9, 4429-4437. Graphene-like Dirac states and quantum spin Hall insulators in square-octagonal	1.4	57
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145	Anomalous transport properties of the half-metallic ferromagnets Co_2TiSi , Co_2TiGe and Co_2TiSn . Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3588-3601.	1.6	54
146	Theoretical search for half-Heusler topological insulators. Physical Review B, 2015, 91, .	1.1	54
147	Photochemical Water Splitting by Bismuth Chalcogenide Topological Insulators. ChemPhysChem, 2017, 18, 2322-2327.	1.0	54
148	Exchange-spring like magnetic behavior of the tetragonal Heusler compound Mn_2FeGa as a candidate for spin-transfer torque. Applied Physics Letters, 2013, 102, .	1.5	53
149	Mesoscopic superconductivity and high spin polarization coexisting at metallic point contacts on Weyl semimetal TaAs. Nature Communications, 2017, 8, 13974.	5.8	53
150	Completely compensated ferrimagnetism and sublattice spin crossing in the half-metallic Heusler compound $\text{Mn}_{1.5}\text{FeVAl}$. Physical Review B, 2017, 95, .	1.1	53
151	Indium-Gallium Segregation in $\text{CuIn}_x\text{Ga}_{1-x}\text{Se}_2$: An Ab Initio Based Monte Carlo Study. Physical Review Letters, 2010, 105, 025702.	2.9	52
152	Mn_2PtIn : A tetragonal Heusler compound with exchange bias behavior. Applied Physics Letters, 2012, 100, .	1.5	52
153	$\text{Sr}_2\text{FeOsO}_6$: A reduction in the thermal conductivity for thermoelectric applications. Scripta Materialia, 2010, 63, 1216-1219.	1.1	52
154	A large family of filled skutterudites stabilized by electron count. Nature Communications, 2015, 6, 6489.	5.8	52
155	Heterogeneous catalysis at the surface of topological materials. Applied Physics Letters, 2020, 116, .	1.5	52
156	Phase separation in the quaternary Heusler compound $\text{CoTi}_{(1-x)}\text{Mn}_x\text{Sb}$. A reduction in the thermal conductivity for thermoelectric applications. Scripta Materialia, 2010, 63, 1216-1219.	2.6	51
157	THE TIMING OF ISLAND EFFECTS IN NONNATIVE SENTENCE PROCESSING. Studies in Second Language Acquisition, 2012, 34, 67-98.	1.8	51
158	Topological Quantum Phase Transition and Superconductivity Induced by Pressure in the Bismuth Tellurohalide BiTe . Advanced Materials, 2017, 29, 1605965.	11.1	51
159	Observation of nodal line in non-symmorphic topological semimetal InBi . New Journal of Physics, 2017, 19, 065007.	1.2	51
160	Mode-resolved reciprocal space mapping of electron-phonon interaction in the Weyl semimetal candidate Td-WTe_2 . Nature Communications, 2020, 11, 2613.	5.8	51
161	Evidence of surface transport and weak antilocalization in a single crystal of the topological insulator Te_2Se . Physical Review B, 2014, 90, .	1.1	50
162	Quantum Anomalous Hall Effect in Magnetic Insulator Heterostructure. Nano Letters, 2015, 15, 2019-2023.	4.5	50

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163	Helical magnetic structure and the anomalous and topological Hall effects in epitaxial B2O ₇ films. Physical Review B, 2018, 97, .	5.0	50
164	Exchange energies, Curie temperatures and magnons in Heusler compounds. Journal Physics D: Applied Physics, 2009, 42, 084013.	1.3	49
165	Electronic structure and optical, mechanical, and transport properties of the pure, electron-doped, and hole-doped Heusler compound CoTiSb. Physical Review B, 2012, 86, .	1.1	49
166	Tetragonal Heusler Compounds for Spintronics. IEEE Transactions on Magnetics, 2013, 49, 682-685.	1.2	49
167	Isolated DyO ₂ Embedded in a Ceramic Apatite Matrix Featuring Single-Molecule Magnet Behavior with a High Energy Barrier for Magnetization Relaxation. Angewandte Chemie - International Edition, 2017, 56, 13416-13420.	7.2	49
168	Titelbild: Discovery of Elusive K ₄ O ₆ , a Compound Stabilized by Configurational Entropy of Polarons (Angew. Chem. 1/2019). Angewandte Chemie, 2019, 131, 1-1.	1.6	49
169	Electronic, magnetic, and structural properties of the ferrimagnet Mn ₂ CoSn. Physical Review B, 2013, 88, .	1.1	48
170	Optimization of the carrier concentration in phase-separated half-Heusler compounds. Journal of Materials Chemistry A, 2014, 2, 13513-13518.	5.2	47
171	Magnetically Frustrated Double Perovskites: Synthesis, Structural Properties, and Magnetic Order of Sr ₂ BiOsO ₆ (Bi = Y, In, Sc). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 197-205.	0.6	47
172	Heusler compounds as ternary intermetallic nanoparticles: Co ₂ FeGa. Journal Physics D: Applied Physics, 2009, 42, 084018.	1.3	46
173	Weak topological insulators induced by the interlayer coupling: A first-principles study of stacked Bi ₂ Tel. Physical Review B, 2014, 89, .	1.1	46
174	Charge carrier concentration optimization of thermoelectric p-type half-Heusler compounds. APL Materials, 2015, 3, .	2.2	46
175	Pressure-driven superconductivity in the transition-metal pentatelluride HfT ₅ . Physical Review B, 2016, 94, .	1.1	46
176	Compensated Ferrimagnetic Tetragonal Heusler Thin Films for Antiferromagnetic Spintronics. Advanced Materials, 2016, 28, 8499-8504.	11.1	46
177	Quantum materials for thermoelectricity. MRS Bulletin, 2018, 43, 187-192.	1.7	46
178	Semiconducting half-Heusler and LiGaGe structure type compounds. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1090-1095.	0.8	45
179	Ultrahigh mobility and nonsaturating magnetoresistance in Heusler topological insulators. Physical Review B, 2012, 86, .	1.1	45
180	Heusler nanoparticles for spintronics and ferromagnetic shape memory alloys. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2014, 32, .	0.6	45

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181	Hybrid-Functional Calculations on the Incorporation of Na and K Impurities into the CuInSe_2 and CuIn_5Se_8 Solar-Cell Materials. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25197-25203.	1.5	45
182	Electronic structure of Pt based topological Heusler compounds with C1b structure and $\epsilon=0$ band gap. <i>Applied Physics Letters</i> , 2011, 98, 211901.	1.5	44
183	Topological origin of the type-II Dirac fermions in PtSe_2 . <i>Physical Review Materials</i> , 2017, 1, 010401.	0.9	44
184	Doped semiconductors as half-metallic materials: Experiments and first-principles calculations of CoTi_2 . <i>Physical Review B</i> , 2011, 83, 040401.		

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199	Looking at the evidence in visual world: eye-movements reveal how bilingual and monolingual Turkish speakers process grammatical evidentiality. <i>Frontiers in Psychology</i> , 2015, 6, 1387.	1.1	37
200	Intrinsic stability of magnetic anti-skyrmions in the tetragonal inverse Heusler compound Mn _{1.4} Pt _{0.9} Pd _{0.1} Sn. <i>Nature Communications</i> , 2019, 10, 5305.	5.8	37
201	Probing the random distribution of half-metallic Co ₂ Mn _{1-x} Fe _x Si Heusler alloys. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	36
202	Systematical, experimental investigations on LiMgZ (Z = P, As, Sb) wide band gap semiconductors. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 475302.	1.3	36
203	Stoichiometry dependent phase transition in Mn-Co-Ga-based thin films: From cubic in-plane, soft magnetized to tetragonal perpendicular, hard magnetized. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	36
204	Berry phase and band structure analysis of the Weyl semimetal NbP. <i>Scientific Reports</i> , 2016, 6, 33859.	1.6	36
205	Exploring the details of the martensite-austenite phase transition of the shape memory Heusler compound Mn ₂ NiGa by hard x-ray photoelectron spectroscopy, magnetic and transport measurements. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	35
206	Improving Spin-Transport by Disorder. <i>Advanced Functional Materials</i> , 2013, 23, 832-838.	7.8	35
207	Thermoelectric properties of CoTiSb based compounds. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 185401.	1.3	34
208	Electronic structure, magnetic properties and order-disorder phenomena in Co ₂ Mn _{1-x} Fe _x Al. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 084007.	1.3	34
209	The online application of binding condition B in native and non-native pronoun resolution. <i>Frontiers in Psychology</i> , 2014, 5, 147.	1.1	34
210	Referential context effects in non-native relative clause ambiguity resolution. <i>International Journal of Bilingualism</i> , 2015, 19, 298-313.	0.6	34
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