Robert Cava

List of Publications by Year
in descending order

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Version: 2024-02-01

371 papers	36,682 citations	6840 81 h-index	3941 183 g-index
376 all docs	376 docs citations	376 times ranked	26562 citing authors

#	Article	IF	Citations
1	Discovery of intrinsic ferromagnetism in two-dimensional van der Waals crystals. Nature, 2017, 546, 265-269.	13.7	3,260
2	Observation of a large-gap topological-insulator class with a single Dirac cone on the surface. Nature Physics, 2009, 5, 398-402.	6.5	3,207
3	Large, non-saturating magnetoresistance in WTe2. Nature, 2014, 514, 205-208.	13.7	1,329
4	Ultrahigh mobility and giant magnetoresistance in the Dirac semimetalÂCd3As2. Nature Materials, 2015, 14, 280-284.	13.3	1,197
5	Zero-point entropy in â€˜spin iceâ€™. Nature, 1999, 399, 333-335.	13.7	1,045
6	Experimental Realization of a Three-Dimensional Dirac Semimetal. Physical Review Letters, 2014, 113, 027603.	2.9	978
7	Evidence for the chiral anomaly in the Dirac semimetal Na ₃ Bi. Science, 2015, 350, 413-416.	6.0	927
8	Beyond Dirac and Weyl fermions: Unconventional quasiparticles in conventional crystals. Science, 2016, 353, aaf5037.	6.0	881
9	Superconductivity in CuxTiSe2. Nature Physics, 2006, 2, 544-550.	6.5	812
10	Observation of the quantum spin Hall effect up to 100 kelvin in a monolayer crystal. Science, 2018, 359, 76-79.	6.0	613
11	Superconductivity in Weyl semimetal candidate MoTe2. Nature Communications, 2016, 7, 11038.	5.8	611
12	Observation of Fermi arc surface states in a topological metal. Science, 2015, 347, 294-298.	6.0	603
13	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, .	1.1	582
14	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-type<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Bi</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:msub topological insulator and low-temperature thermoelectric applications. Physical Review B, 2009, 79, .	1.1	571
15	A topological insulator surface under strong Coulomb, magnetic and disorder perturbations. Nature Physics, 2011, 7, 32-37.	6.5	527
16	Quantum spin liquids. Science, 2020, 367, .	6.0	513
17	The chiral anomaly and thermopower of Weyl fermions in the half-HeuslerÂGdPtBi. Nature Materials, 2016, 15, 1161-1165.	13.3	436
18	Development of ferromagnetism in the doped topological insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Bi</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn> Physical Review B, 2010, 81, .	1.1	424

#	Article	IF	Citations
19	Landau quantization and quasiparticle interference in the three-dimensional DiracÂsemimetal Cd3As2. Nature Materials, 2014, 13, 851-856.	13.3	421
20	Observation of topological order in a superconducting doped topological insulator. Nature Physics, 2010, 6, 855-859.	6.5	412
21	Observation of the nonlinear Hall effect under time-reversal-symmetric conditions. Nature, 2019, 565, 337-342.	13.7	372
22	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoTe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ A Type-II Weyl Topological Metal. Physical Review Letters, 2016, 117, 056805.	2.9	351
23	Hourglass fermions. Nature, 2016, 532, 189-194.	13.7	343
24	One-dimensional topological edge states of bismuth bilayers. Nature Physics, 2014, 10, 664-669.	6.5	320
25	Spatial fluctuations of helical Dirac fermions on the surface of topological insulators. Nature Physics, 2011, 7, 939-943.	6.5	283
26	Time-Reversal-Breaking Weyl Fermions in Magnetic Heusler Alloys. Physical Review Letters, 2016, 117, 236401.	2.9	282
27	Resistivity plateau and extreme magnetoresistance in LaSb. Nature Physics, 2016, 12, 272-277.	6.5	277
28	Electrically tunable low-density superconductivity in a monolayer topological insulator. Science, 2018, 362, 926-929.	6.0	271
29	Electrically switchable Berry curvature dipole in the monolayer topological insulator WTe2. Nature Physics, 2018, 14, 900-906.	6.5	249
30	How â€˜spin iceâ€™ freezes. Nature, 2001, 413, 48-51.	13.7	243
31	Electronic Structure Basis for the Extraordinary Magnetoresistance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>WTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2014, 113, 216601.	2.9	241
32	Sodium ion ordering inNaxCoO2: Electron diffraction study. Physical Review B, 2004, 70, .	1.1	239
33	Nature of the quantum metal in a two-dimensional crystalline superconductor. Nature Physics, 2016, 12, 208-212.	6.5	228
34	New material platform for superconducting transmon qubits with coherence times exceeding 0.3 milliseconds. Nature Communications, 2021, 12, 1779.	5.8	224
35	Ising Pyrochlore Magnets: Low-Temperature Properties, â€œIce Rules,â€•and Beyond. Physical Review Letters, 1999, 83, 1854-1857.	2.9	218
36	Crystal structure and chemistry of topological insulators. Journal of Materials Chemistry C, 2013, 1, 3176.	2.7	204

#	Article	IF	Citations
37	Three-dimensional Dirac semimetals: Design principles and predictions of new materials. Physical Review B, 2015, 91, .	1.1	203
38	Anomalous Hall effect in ZrTe5. Nature Physics, 2018, 14, 451-455.	6.5	192
39	Low-temperature spin freezing in theDy2Ti2O7spin ice. Physical Review B, 2004, 69, .	1.1	186
40	Tetradymites as thermoelectrics and topological insulators. Nature Reviews Materials, 2017, 2, .	23.3	184
41	Structures and thermoelectric properties of the infinitely adaptive series(Bi2)m(Bi2Te3)n. Physical Review B, 2007, 75, .	1.1	176
42	Topological surface states and Dirac point tuning in ternary topological insulators. Physical Review B, 2012, 85, .	1.1	171
43	Coupling between electronic and structural degrees of freedom in the triangular lattice conductorNaxCoO2. Physical Review B, 2004, 70, .	1.1	167
44	Crystal-field interaction in the pyrochlore magnet Ho2Ti2O7. Journal of Applied Physics, 2000, 87, 5914-5916.	1.1	166
45	High-field Shubnikova€"de Haas oscillations in the topological insulator Bi<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>Te<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>Se. Physical Review B, 2012, 86, .	1.1	164
46	VI₃â€"a New Layered Ferromagnetic Semiconductor. Advanced Materials, 2019, 31, e1808074.	11.1	157
47	Oxide Superconductors. Journal of the American Ceramic Society, 2000, 83, 5-28.	1.9	156
48	Time-reversal symmetry breaking type-II Weyl state in YbMnBi2. Nature Communications, 2019, 10, 3424.	5.8	155
49	Kinetically Stable Single Crystals of Perovskite-Phase CsPbI₃. Journal of the American Chemical Society, 2019, 141, 11435-11439.	6.6	155
50	Mg-Doped CuFeO₂ Photocathodes for Photoelectrochemical Reduction of Carbon Dioxide. Journal of Physical Chemistry C, 2013, 117, 12415-12422.	1.5	151
51	Noncentrosymmetric superconductor with a bulk three-dimensional Dirac cone gapped by strong spin-orbit coupling. Physical Review B, 2014, 89, .	1.1	142
52	Low-carrier-concentration crystals of the topological insulator Bi<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>Te<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>Se. Physical Review B, 2011, 84, .	1.1	141
53	A ferromagnetic insulating substrate for the epitaxial growth of topological insulators. Journal of Applied Physics, 2013, 114, 114907.	1.1	138
54	Anomalous Nernst Effect in the Dirac Semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Cd</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>As</mml:mi><mml:mi><mml:mn	2.9	138

Physical Review Letters, 2017, 118, 136601.

#	Article	IF	Citations
55	Tuning the charge density wave and superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Cu</mml:mtext></mml:mrow><mml:mi>x</mml:mi></mml:msub> Physical Review B, 2008, 78, .	1.1	136
56	Visualizing the charge density wave transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>2</mml:mn><mml:mi>H</mml:mi></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>NbSe</mml:mtext><mml:mn>2</mml:mn></mml:msu real space. Physical Review B, 2014, 89, .	1.1	136
57	Large thermal Hall conductivity of neutral spin excitations in a frustrated quantum magnet. Science, 2015, 348, 106-109.	6.0	135
58	Magnetism and structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Li</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>and comparison to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:m	1.1	129
59			

#	Article	IF	Citations
73	Sn-doped Bi1.1Sb0.9Te2S bulk crystal topological insulator with excellent properties. Nature Communications, 2016, 7, 11456.	5.8	94
74	Magneto-Optical Signature of Massless Kane Electrons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>Cd</mml:mi></mml:mrow><mml:mrow><mml:mn>3</r Physical Review Letters, 2016, 117, 136401.	2.9	93
75	High-Pressure Synthesis and Characterization of Î²-GeSeâ€”A Six-Membered-Ring Semiconductor in an Uncommon Boat Conformation. Journal of the American Chemical Society, 2017, 139, 2771-2777.	6.6	90
76	Zero-point entropy in stuffed spin-ice. Nature Physics, 2006, 2, 249-253.	6.5	89
77	High-entropy alloy superconductors: Status, opportunities, and challenges. Physical Review Materials, 2019, 3, .	0.9	88
78	Magnetoelastic Excitations in the Pyrochlore Spin Liquid<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Tb</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml mathvariant="bold">O</mml:mi></mml:mrow><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:ma Physical Review Letters, 2014, 112, 017203.	2.9	85
79	Direct observation of nanometer-scale Mg- and B-oxide phases at grain boundaries in MgB2. Applied Physics Letters, 2001, 79, 1837-1839.	1.5	84
80	Gigantic Surface Lifetime of an Intrinsic Topological Insulator. Physical Review Letters, 2015, 115, 116801.	2.9	84
81	Anomalous Hall effect and magnetoresistance in the layered ferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Fe</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^•</mml:mo><mml:mn>4</mml:mn></mml:mrow> mathvariant="normal">Ta</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>: The	1.1	82
82	Hierarchy of Bound States in the One-Dimensional Ferromagnetic Ising Chain<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CoNb</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn> mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:msub></mml:mrow></mml: by High-Resolution Time-Domain Terahertz Spectroscopy. Physical Review Letters, 2014, 112, 137403.	2.9	82
83	Scâ€“Zrâ€“Nbâ€“Rhâ€“Pd and Scâ€“Zrâ€“Nbâ€“Taâ€“Rhâ€“Pd High-Entropy Alloy Superconductors on a CsCl-Type Lattice. Chemistry of Materials, 2018, 30, 906-914.	3.2	82
84	Honeycombs of triangles and magnetic frustration inSrL2O4(L=Gd, Dy, Ho, Er, Tm, and Yb). Physical Review B, 2005, 71, .	1.1	79
85	Insulator to correlated metal transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mtext>V</mml:mtext><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo> Physical Review B, 2009, 79, .	1.1	79
86	Bulk crystal growth and electronic characterization of the 3D Dirac semimetal Na3Bi. APL Materials, 2015, 3, .	2.2	76
87	Weak-field induced nonmagnetic state in a Co-based honeycomb. Science Advances, 2020, 6, eaay6953.	4.7	76
88	Anisotropic electrodynamics of type-II Weyl semimetal candidate <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 Physical Review B, 2017, 95, .	1.1	74
89	TaRh ₂ B ₂ and NbRh ₂ B ₂ : Superconductors with a chiral noncentrosymmetric crystal structure. Science Advances, 2018, 4, eaar7969.	4.7	73
90	Observation of a nematic quantum Hall liquid on the surface of bismuth. Science, 2016, 354, 316-321.	6.0	72

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91	Ferromagnetic quantum critical point induced by dimer-breaking in SrCo2(Ge1â^'xPx)2. Nature Physics, 2011, 7, 207-210.	6.5	71
92	Multiple electronic transitions and superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Pd</mml:mtext></mml:mrow><mml:mi>x</mml:mi></mml:msub> Physical Review B, 2010, 81, .	1.1	70
93	Optical properties of the perfectly compensated semimetal<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></ Physical Review B, 2015, 92, .	1.1	70
94	Evidence for a monolayer excitonic insulator. Nature Physics, 2022, 18, 87-93.	6.5	70
95	BaNi2V2O8:â€ƒA two-dimensional honeycomb antiferromagnet. Physical Review B, 2002, 65, .	1.1	68
96	Defects and high bulk resistivities in the Bi-rich tetradymite topological insulator Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Te<mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Se. Physical Review B, 2012, 86, .	1.1	68
97	Low temperature synthesis of MgB[sub 2]. Journal of Applied Physics, 2002, 91, 274.	1.1	67
98	Quasiparticle Interference, Quasiparticle Interactions, and the Origin of the Charge Density Wave in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml:mrow><m Physical Review Letters, 2015, 114, 037001.	2.9	67
99	Quantum and thermal spin relaxation in the diluted spin iceDy2â^'xMxTi2O7(M=Lu,Y). Physical Review B, 2004, 70, .	1.1	66
100	Origin and tuning of the magnetocaloric effect in the magnetic refrigerant<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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109	Optical evidence of surface state suppression in Bi-based topological insulators. Physical Review B, 2014, 89, .	1.1	56
110	Schizophrenic electrons in ruthenium-based oxides. Dalton Transactions, 2004, , 2979.	1.6	55
111	Dirac metal to topological metal transition at a structural phase change in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">Au</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">Pb</mml:mi></mml:math>and prediction of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="double-struck">P</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math>topology	1.1	55
112	RE₃Sb₃Zn₂O₁₄ (RE = La, Pr, Nd, Sm, Eu, Gd): a new family of pyrochlore derivatives with rare earth ions on a 2D Kagome lattice. Journal of Materials Chemistry C, 2016, 4, 541-550.	2.7	55
113	A pressure-induced topological phase with large Berry curvature in Pb _{1â^' x} Sn _x Te. Science Advances, 2017, 3, e1602510.	4.7	55
114	Three-Dimensional Electronic Structure of the Type-II Weyl Semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WTe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Physical Review Letters, 2017, 119, 026403.	2.9	55
115	Landau quantization and highly mobile fermions in an insulator. Nature, 2021, 589, 225-229.	13.7	54
116	Heat capacity peak at the quantum critical point of the transverse Ising magnet CoNb2O6. Nature Communications, 2015, 6, 7611.	5.8	53
117	Termination-dependent topological surface states of the natural superlattice phase Bi4Se3. Physical Review B, 2013, 88, .	1.1	52
118	A large family of filled skutterudites stabilized by electron count. Nature Communications, 2015, 6, 6489.	5.8	52
119	Hexagonal Perovskites as Quantum Materials. Chemical Reviews, 2021, 121, 2935-2965.	23.0	52
120	Lattice collapse and the magnetic phase diagram of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Sr</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mn> Physical Review B, 2009, 80, .	1.1	51
121	Superconductivity at 2.3 K in the misfit compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mtext>PbSe</mml:mtext> Physical Review B, 2010, 82, .	1.1	51
122	Sensitivity of the magnetic properties of the ZnCr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:mro	1.1	49
123	Magnetoresistance and quantum oscillations of an electrostatically tuned semimetal-to-metal transition in ultrathin<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></ Physical Review B, 2017, 95, .	1.1	49
124	Band Structure of the IV-VI Black Phosphorus Analog and Thermoelectric SnSe. Physical Review Letters, 2018, 120, 156403.	2.9	49
125	Genie in a bottle. Nature, 2001, 410, 23-24.	13.7	48
126	Low temperature Schottky anomalies in the specific heat of LaCoO3: Defect-stabilized finite spin states. Applied Physics Letters, 2009, 94, .	1.5	48

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127	chiral order on kagome lattices in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nd</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mathvariant="normal">O</mml:mi><mml:mn>14</mml:mn></mml:msub></mml:mro. Physical Review B, 2016, 93, .	1.1	48
128	Li_{0.6}[Li_{0.2}Sn_{0.8}S₂] â€“ a layered lithium superionic conductor. Energy and Environmental Science, 2016, 9, 2578-2585.	15.6	46
129	Dirty spin ice:â€ƒThe effect of dilution on spin freezing inDy2Ti2O7. Physical Review B, 2002, 66, .	1.1	45
130	Physical properties and magnetic structure of the layered oxyselenide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub> Physical Review B, 2010, 82, .	1.1	44
131	Isoelectronic substitutions and aluminium alloying in the Ta-Nb-Hf-Zr-Ti high-entropy alloy superconductor. Physical Review Materials, 2018, 2, .	0.9	44
132	One-dimensional Luttinger liquids in a two-dimensional moirÃ© lattice. Nature, 2022, 605, 57-62.	13.7	44
133	Equation of state of MgGeO3 perovskite to 65ÂGPa: comparison with the post-perovskite phase. Physics and Chemistry of Minerals, 2006, 33, 699-709.	0.3	43
134	Surface Oxidation of Bi₂(Te,Se)₃ Topological Insulators Depends on Cleavage Accuracy. Chemistry of Materials, 2016, 28, 35-39.	3.2	43
135	The effect of Mg-doping and Cu nonstoichiometry on the photoelectrochemical response of CuFeO₂. Journal of Materials Chemistry A, 2017, 5, 165-171.	5.2	43
136	Pressure-induced melting of magnetic order and emergence of a new quantum state in Î±â^'RuCl3. Physical Review B, 2018, 97, .	1.1	43
137	Strong quantum fluctuations in a quantum spin liquid candidate with a Co-based triangular lattice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14505-14510.	3.3	43
138	Carbon isotope effect in superconductingMgCNi3. Physical Review B, 2004, 70, .	1.1	42
139	Bi<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>Te<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1.6</mml:mn></mml:mrow></mml:msub></mml:math>S<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	1.1	42
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