Duck Young Chung

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3025048/publications.pdf

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177	11,122	57758	31849
papers	citations	44 h-index	101 g-index

202	202	202	10738
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New and Old Concepts in Thermoelectric Materials. Angewandte Chemie - International Edition, 2009, 48, 8616-8639.	13.8	1,993
2	Crystal Growth of the Perovskite Semiconductor CsPbBr₃: A New Material for High-Energy Radiation Detection. Crystal Growth and Design, 2013, 13, 2722-2727.	3.0	1,234
3	CsBi4Te6: A High-Performance Thermoelectric Material for Low-Temperature Applications. Science, 2000, 287, 1024-1027.	12.6	827
4	Unconventional superconductivity in Ba0.6K0.4Fe2As2 from inelastic neutron scattering. Nature, 2008, 456, 930-932.	27.8	543
5	High Performance Thermoelectrics from Earth-Abundant Materials: Enhanced Figure of Merit in PbS by Second Phase Nanostructures. Journal of the American Chemical Society, 2011, 133, 20476-20487.	13.7	433
6	High spectral resolution of gamma-rays at room temperature by perovskite CsPbBr3 single crystals. Nature Communications, 2018, 9, 1609.	12.8	381
7	Nanostructures Boost the Thermoelectric Performance of PbS. Journal of the American Chemical Society, 2011, 133, 3460-3470.	13.7	282
8	CsPbBr3 perovskite detectors with 1.4% energy resolution for high-energy Î³-rays. Nature Photonics, 2021, 15, 36-42.	31.4	210
9	Controlling Metallurgical Phase Separation Reactions of the Ge_{0.87}Pb_{0.13}Te Alloy for High Thermoelectric Performance. Advanced Energy Materials, 2013, 3, 815-820.	19.5	202
10	A New Thermoelectric Material: CsBi4Te6. Journal of the American Chemical Society, 2004, 126, 6414-6428.	13.7	185
11	Lattice Softening Significantly Reduces Thermal Conductivity and Leads to High Thermoelectric Efficiency. Advanced Materials, 2019, 31, e1900108.	21.0	171
12	Thermoelectrics from Abundant Chemical Elements: High-Performance Nanostructured PbSeâ€“PbS. Journal of the American Chemical Society, 2011, 133, 10920-10927.	13.7	164
13	Phase diagram of Ba<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>K<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow />	3.2	157
14	Magnetically driven suppression of nematic order in an iron-based superconductor. Nature Communications, 2014, 5, 3845.	12.8	146
15	High-Performance Tellurium-Free Thermoelectrics: All-Scale Hierarchical Structuring of p-Type PbSeâ€“MSe Systems (M = Ca, Sr, Ba). Journal of the American Chemical Society, 2013, 135, 5152-5160.	13.7	135
16	Enhancement of Thermoelectric Figure of Merit by the Insertion of MgTe Nanostructures in pâ€type PbTe Doped with Na₂Te. Advanced Energy Materials, 2012, 2, 1117-1123.	19.5	123
17	In situ studies of a platform for metastable inorganic crystal growth and materials discovery. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10922-10927.	7.1	118
18	Analysis of Nanostructuring in High Figureâ€ofâ€Merit Ag_{1â€“x}Pb_mSbTe_{2+m} Thermoelectric Materials. Advanced Functional Materials, 2009, 19, 1254-1259.	14.9	106

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19	display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn><mml:mo>â”’</mml:mo><mml:mi>y</mml:mi></mml:mrow></mml:msub></mml:math>Se<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>and the structure of su. Physical Review B, 2012, 86, .	3.2	103
20	Double-Q spin-density wave in iron arsenideÂsuperconductors. Nature Physics, 2016, 12, 493-498.	16.7	101
21	Two-dimensional overdamped fluctuations of the soft perovskite lattice in CsPbBr3. Nature Materials, 2021, 20, 977-983.	27.5	89
22	Heat capacity of Mg3Sb2, Mg3Bi2, and their alloys at high temperature. Materials Today Physics, 2018, 6, 83-88.	6.0	87
23	Magnetoelastic coupling in the phase diagram of Ba<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â”’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>	3.2	86
24	Perovskite CsPbBr3 single crystal detector for alpha-particle spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 922, 217-221.	1.6	83
25	Oligomerization Versus Polymerization of Texn- in the Polytelluride Compound BaBiTe3. Structural Characterization, Electronic Structure, and Thermoelectric Properties. Journal of the American Chemical Society, 1997, 119, 2505-2515.	13.7	69
26	Effect of Fermi Surface Nesting on Resonant Spin Excitations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ba</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â”’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi>K</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>As</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2011, 107, 177003.	7.8	65
27	Timeâ€Dependent Mechanical Response of APbX₃ (A = Cs, CH₃NH₃; X) Tj ETQq1 1 0.784314	21.0	63
28	Structural, magnetic, and superconducting properties of Ba<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â”’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Na<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>	3.2	62
29	Demonstration of Energy-Resolved Î³-Ray Detection at Room Temperature by the CsPbCl₃ Perovskite Semiconductor. Journal of the American Chemical Society, 2021, 143, 2068-2077.	13.7	62
30	Low lattice thermal conductivity in Pb₅Bi₆Se₁₄, Pb₃Bi₂S₆, and PbBi₂S₄: promising thermoelectric materials in the cannizzarite, lillianite, and galenobismuthite homologous series. Journal of Materials Chemistry A, 2014, 2, 20048-20058.	10.3	59
31	Direct thermal neutron detection by the 2D semiconductor 6LiInP2Se6. Nature, 2020, 577, 346-349.	27.8	59
32	Crystal Growth, Thermoelectric Properties, and Electronic Structure of AgBi3S5 and AgSbxBi3-xS5 (x =) Tj ETQq0 0 0 rgBT /Overlock 10	6.7	56
33	Magnetizing lead-free halide double perovskites. Science Advances, 2020, 6, .	10.3	56
34	Photoconductivity in the Chalcohalide Semiconductor, SbSeI: a New Candidate for Hard Radiation Detection. Inorganic Chemistry, 2013, 52, 7045-7050.	4.0	55
35	Understanding Fluxes as Media for Directed Synthesis: In Situ Local Structure of Molten Potassium Polysulfides. Journal of the American Chemical Society, 2012, 134, 9456-9463.	13.7	53
36	Nanostructured Thermoelectric Materials and High-Efficiency Power-Generation Modules. Journal of Electronic Materials, 2007, 36, 704-710.	2.2	52

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37	Tetragonal magnetic phase in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mrow><mml:mn>1</m mathvariant="normal">K</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:mn>2</mml:mn></m x-ray and neutron diffraction. Physical Review B, 2015, 92, .	3.2	52
38	Contrasting SnTeâ€“NaSbTe₂ and SnTeâ€“NaBiTe₂ Thermoelectric Alloys: High Performance Facilitated by Increased Cation Vacancies and Lattice Softening. Journal of the American Chemical Society, 2020, 142, 12524-12535.	13.7	51
39	Synthesis, Structure and Charge Transport Properties of Yb5Al2Sb6: A Zintl Phase with Incomplete Electron Transfer. Inorganic Chemistry, 2009, 48, 4768-4776.	4.0	50
40	Modular Construction of A1+xM4-2xMâ€˜7+xSe15(A = K, Rb; M = Pb, Sn; Mâ€˜ = Bi, Sb):Â A New Class of Solid State Quaternary Thermoelectric Compounds. Chemistry of Materials, 2001, 13, 756-764.	6.7	48
41	Highly anisotropic crystal growth and thermoelectric properties of K2Bi8âˆ'xSbxSe13 solid solutions: Band gap anomaly at lowx. Journal of Applied Physics, 2002, 92, 965-975.	2.5	46
42	CsMBi3Te6and CsM2Bi3Te7(M = Pb, Sn):Â New Thermoelectric Compounds with Low-Dimensional Structures. Journal of the American Chemical Society, 2002, 124, 2410-2411.	13.7	46
43	Detection of orbital fluctuations above the structural transition temperature in the iron pnictides and chalcogenides. Physical Review B, 2012, 85, .	3.2	45
44	Superconductivity in the Narrow-Gap Semiconductor CsBi4Te6. Journal of the American Chemical Society, 2013, 135, 14540-14543.	13.7	45
45	Multifold enhancement of the thermoelectric figure of merit inp-type BaBiTe3 by pressure tuning. Journal of Applied Physics, 2001, 90, 2836-2839.	2.5	43
46	Structure and thermoelectric properties of the new quaternary tin selenide K1 âˆ' xSn5 âˆ' xBi11 + xSe22. Journal of Materials Chemistry, 2000, 10, 1667-1672.	6.7	40
47	Determining metal ion distributions using resonant scattering at very high-energy K-edges: Bi/Pb in Pb5Bi6Se14. Journal of Applied Crystallography, 2005, 38, 433-441.	4.5	40
48	Separation of electron and hole dynamics in the semimetal LaSb. Physical Review B, 2017, 96, .	3.2	37
49	Single Crystal Growth and Study of the Ferromagnetic Superconductor RbEuFe₄As₄. Crystal Growth and Design, 2018, 18, 3517-3523.	3.0	37
50	Heat capacity jump atTcand pressure derivatives of superconducting transition temperature in the Ba1âˆ'xKxFe2As2(0.2â‰¤xâ‰¤1.0) series. Physical Review B, 2013, 87, .	3.2	36
51	Anisotropic superconductivity and magnetism in single-crystal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>RbEuFe</mml:mi><mml:mn>4</mml:mn></m Physical Review B, 2018, 98, .	3.2	36
52	Electronic structure ofCsBi4Te6:â€ƒA high-performance thermoelectric at low temperatures. Physical Review B, 2002, 65, .	3.2	35
53	Coincident structural and magnetic order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>2</mml:mn></m by high-resolution neu. Physical Review B, 2014, 90, .	3.2	34
54	Detailed magnetic and structural analysis mapping a robust magnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>C</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:m in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mrow><mml:mn>1</mm Physical Review B, 2016, 93, .	3.2	34

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55	Employing the Dynamics of the Electrochemical Interface in Aqueous Zincâ€Ion Battery Cathodes. Advanced Functional Materials, 2021, 31, 2102135.	14.9	34
56	Charge Density Wave in the New Polymorphs of RE₂Ru₃Ge₅ (RE = Pr, Sm, Dy). Journal of the American Chemical Society, 2017, 139, 4130-4143.	13.7	33
57	CaFe₄As₃: A Metallic Iron Arsenide with Anisotropic Magnetic and Charge-Transport Properties. Journal of the American Chemical Society, 2009, 131, 5405-5407.	13.7	32
58	Sensitivity and Detection Limit of Spectroscopicâ€Grade Perovskite CsPbBr₃ Crystal for Hard Xâ€Ray Detection. Advanced Functional Materials, 2022, 32, .	14.9	32
59	Superconductivity and strong intrinsic defects in LaPd<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>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>. Physical Review B, 2013, 88, .	3.2	31
60	Tuning the Magnetic Properties of New Layered Iron Chalcogenides (BaF)₂Fe_{2â€“x}Q₃ (Q = S, Se) by Changing the Defect Concentration on the Iron Sublattice. Chemistry of Materials, 2015, 27, 3280-3290.	6.7	31
61	Improvement in the thermoelectric properties of pressure-tuned Î²-K2Bi8Se13. Journal of Applied Physics, 2003, 94, 4485-4488.	2.5	30
62	Influence of magnetism on phonons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CaFe</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:m seen via inelastic x-ray scattering. Physical Review B, 2009, 79, .	3.2	30
63	Dirac fermions and superconductivity in the homologous structures<mml:math		

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73	Unique [Mn₆Bi₅]^{â^'} Nanowires in KMn₆Bi₅: A Quasi-One-Dimensional Antiferromagnetic Metal. Journal of the American Chemical Society, 2018, 140, 4391-4400.	13.7	26
74	Polycrystalline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>ZrTe</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn></m Parametrized as a Narrow-Band-Gap Semiconductor for Thermoelectric Performance. Physical Review Applied, 2018, 9, .	3.8	26
75	A New Three-Dimensional Subsulfide Ir₂In₈S with Dirac Semimetal Behavior. Journal of the American Chemical Society, 2019, 141, 19130-19137.	13.7	26
76	Thermoelectric Properties and Site-Selective Rb+/K+ Distribution in the K2-xRbxBi8Se13 Series. Chemistry of Materials, 2003, 15, 3035-3040.	6.7	25
77	Observation of the magnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>C</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:m phase in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ca</mml:mi><mml:mrow><mml:mn>1</m Physical Review B, 2017, 95, .	3.2	25
78	Understanding Nanostructures in Thermoelectric Materials: An Electron Microscopy Study of AgPb₁₈SbSe₂₀ Crystals. Chemistry of Materials, 2010, 22, 5630-5635.	6.7	22
79	Strongly fluctuating moments in the high-temperature magnetic superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>RbEuFe</mml:mi><mml:mn>4</mml:mn> Physical Review B, 2019, 99, .	3.2	22
80	Incommensurate spin-density wave and magnetic lock-in transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CaFe</mml:mtext></mml:mrow><mml:mn>4</mml:mn></mml:m Physical Review B, 2010, 81, .	3.2	21
81	NaCu₆Se₄: A Layered Compound with Mixed Valency and Metallic Properties. Inorganic Chemistry, 2014, 53, 12191-12198.	4.0	21
82	Determination of the valence band dispersions for Bi2Se3 using angle resolved photoemission. Journal of Applied Physics, 2002, 92, 6658-6661.	2.5	20
83	Heat capacity jump atTcand pressure derivatives of superconducting transition temperature in the Ba1â^'xNaxFe2As2(0.1â‰¤xâ‰¤0.9) series. Physical Review B, 2014, 89, .	3.2	20
84	Nontrivial Fermi surface topology of the kagome superconductor <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:m probed by de Haasâ€“van Alphen oscillations. Physical Review B, 2022, 105, .	3.2	20
85	Electronic structure ofBi2Te3studied by angle-resolved photoemission. Physical Review B, 2000, 62, 16425-16429.	3.2	19
86	Mercury Bismuth Chalcohalides, Hg₃Q₂Bi₂Cl₈ (Q = S,) Tj ETQq0 0 0 rgBT /Overlock 2013, 52, 2973-2979.	4.0	19
87	Magnetic structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NiS</mml:mi><mml:mrow><mml:mn>2</mml:mn></m Physical Review B, 2016, 93, .	3.2	19
88	Crystal Growth and Characterization of the Narrow-Band-Gap Semiconductors OsPn₂ (Pn) Tj ETQq0 0 0 rgBT /Overlock 10	4.0	18
89	Orbital selectivity causing anisotropy and particle-hole asymmetry in the charge density wave gap of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi><mml:mtext>â^'</mml:m Physical Review B, 2017, 96, .	3.2	18
90	77Se Solid-State NMR Spectroscopy and Structures of Tetramethylammonium Pentaselenide and Hexaselenide Complexes. Inorganic Chemistry, 1995, 34, 4299-4304.	4.0	17

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91	TlHgInS₃: An Indirect-Band-Gap Semiconductor with X-ray Photoconductivity Response. Chemistry of Materials, 2015, 27, 5417-5424.	6.7	17
92	Mixed-Valent NaCu₄Se₃: A Two-Dimensional Metal. Inorganic Chemistry, 2016, 55, 4884-4890.	4.0	17
93	Spectroscopic signature of moment-dependent electronâ€“phonon coupling in 2H-TaS₂. Journal of Materials Chemistry C, 2017, 5, 11310-11316.	5.5	17
94	Orbital-flop Induced Magnetoresistance Anisotropy in Rare Earth Monopnictide CeSb. Nature Communications, 2019, 10, 2875.	12.8	17
95	Melting of vortex lattice in the magnetic superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>RbEuFe</mml:mi></mml:mrow><mml:mrow><mml:mn>4 Physical Review B, 2019, 100, .	3.2	17
96	NaBa2Cu3S5: A Doped p-Type Degenerate Semiconductor. Inorganic Chemistry, 2013, 52, 7210-7217.	4.0	16
97	Superconductivity in the intermetallic pnictide compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>Ca</mml:mtext><mml:mn>11</mml:mn><mml:ms Physical Review B, 2014, 89, .	3.2	16
98	An Unusual Crystal Growth Method of the Chalcohalide Semiconductor, Î²-Hg₃S₂Cl₂: A New Candidate for Hard Radiation Detection. Crystal Growth and Design, 2016, 16, 2678-2684.	3.0	16
99	Stoichiometric Effects on the Photoelectric Properties of LiInSe₂ Crystals for Neutron Detection. Crystal Growth and Design, 2018, 18, 2864-2870.	3.0	16
100	Inorganic Halide Perovskitoid TlPbI₃ for Ionizing Radiation Detection. Advanced Functional Materials, 2021, 31, 2006635.	14.9	16
101	Extended Kohlerâ€™s Rule of Magnetoresistance. Physical Review X, 2021, 11, .	8.9	16
102	Seebeck and thermal conductivity analysis in amorphous/crystalline Î²-K2Bi8Se13 nanocomposite materials. Journal of Applied Physics, 2011, 110, .	2.5	15
103	Mercury Chalcohalide Semiconductor Hg₃Se₂Br₂ for Hard Radiation Detection. Crystal Growth and Design, 2016, 16, 6446-6453.	3.0	15
104	Self-induced magnetic flux structure in the magnetic superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>RbEuFe</mml:mi><mml:mn>4</mml:mn> Physical Review B, 2019, 99, .	3.2	15
105	Anisotropic upper critical field of pristine and proton-irradiated single crystals of the magnetically ordered superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">RbEuFe</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">As</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B.	3.2	15
106	Observing the Suppression of Superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>RbEuFe</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn> by Correlated Magnetic Fluctuations. Physical Review Letters, 2021, 126, 157001.	7.8	15
107	A two-dimensional type I superionic conductor. Nature Materials, 2021, 20, 1683-1688.	27.5	15
108	Thallium Mercury Chalcobromides, TlHg6Q4Br5 (Q = S, Se). Inorganic Chemistry, 2013, 52, 11875-11880.	4.0	14

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109	Chemical ordering rather than random alloying in SbAs. Physical Review B, 2013, 87, .	3.2	14
110	Two-Dimensional Mineral [Pb2BiS3][AuTe2]: High-Mobility Charge Carriers in Single-Atom-Thick Layers. Journal of the American Chemical Society, 2015, 137, 2311-2317.	13.7	14
111	Synthesis, Structure, and Complex Magnetism of MIr₂In₈ (M = Eu, Sr). Inorganic Chemistry, 2016, 55, 3128-3135.	4.0	14
112	Flux Crystal Growth of the RE₂Ru₃Ge₅ (RE = La, Ce,) Tj ETQq0 0 0 rgBT /Overlock 1 14584-14595.	4.0	14
113	Ag₂Se to KAg₃Se₂: Suppressing Orderâ€“Disorder Transitions via Reduced Dimensionality. Journal of the American Chemical Society, 2018, 140, 9193-9202.	13.7	14
114	High Hole Mobility and Nonsaturating Giant Magnetoresistance in the New 2D Metal NaCu4Se4 Synthesized by a Unique Pathway. Journal of the American Chemical Society, 2019, 141, 635-642.	13.7	14
115	Pressure-induced ferroelectric-like transition creates a polar metal in defect antiperovskites Hg3Te2X2 (Xâ€‰=â€‰Cl, Br). Nature Communications, 2021, 12, 1509.	12.8	14
116	Angle-resolved photoemission study of the high-performance low-temperature thermoelectric materialCsBi4Te6. Physical Review B, 2002, 65, .	3.2	13
117	Structural Diversity by Mixing Chalcogen Atoms in the Chalcophosphate System K/In/P/Q (Q = S, Se). Inorganic Chemistry, 2010, 49, 1144-1151.	4.0	12
118	Antiferromagnetic Kondo lattice in the layered compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">CePd</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi mathvariant="normal">Bi</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math>and comparison to the superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvaria. Phys	3.2	12
119	(CaO)(FeSe): A Layered Wide-Gap Oxychalcogenide Semiconductor. Chemistry of Materials, 2015, 27, 5695-5701.	6.7	12
120	Refined Synthesis and Crystal Growth of Pb₂P₂Se₆ for Hard Radiation Detectors. Crystal Growth and Design, 2016, 16, 5100-5109.	3.0	12
121	Multistates and Polyamorphism in Phase-Change K₂Sb₈Se₁₃. Journal of the American Chemical Society, 2018, 140, 9261-9268.	13.7	12
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