Leslie M Schoop

List of Publications by Year
in descending order

146 papers	6,514 citations	106120 35 h-index	67958 78 g-index
162 all docs	162 docs citations	162 times ranked	9299 citing authors

#	Article	IF	Citations
1	Large, non-saturating magnetoresistance in WTe2. Nature, 2014, 514, 205-208.	36.2	1,381
2	Dirac cone protected by non-symmorphic symmetry and three-dimensional Dirac line node in ZrSiS. Nature Communications, 2016, 7, 11696.	13.2	616
3	A new form of Ca3P2 with a ring of Dirac nodes. APL Materials, 2015, 3, .	4.8	292
4	Three-dimensional Dirac semimetals: Design principles and predictions of new materials. Physical Review B, 2015, 91, .	3.3	207
5	Butterfly magnetoresistance, quasi-2D Dirac Fermi surface and topological phase transition in ZrSiS. Science Advances, 2016, 2, e1601742.	10.9	189
6	Chemical Principles of Topological Semimetals. Chemistry of Materials, 2018, 30, 3155-3176.	7.1	172
7	Strong and fragile topological Dirac semimetals with higher-order Fermi arcs. Nature Communications, 2020, 11, 627.	13.2	169
8	Ruthenium Oxide Nanosheets for Enhanced Oxygen Evolution Catalysis in Acidic Medium. Advanced Energy Materials, 2019, 9, 1803795.	22.2	159
9	A ferromagnetic insulating substrate for the epitaxial growth of topological insulators. Journal of Applied Physics, 2013, 114, 114907.	2.3	141
10	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) Tj E Revie	3.3	139
11	Unconventional mass enhancement around the Dirac nodal loop in ZrSiS. Nature Physics, 2018, 14, 178-183.	11.8	135
12	Tunable Weyl and Dirac states in the nonsymmorphic compound CeSbTe. Science Advances, 2018, 4, eaar2317.	10.9	115
13	Topological Semimetals in Square-Net Materials. Annual Review of Materials Research, 2019, 49, 185-206.	9.8	102
14	Correlation of crystal quality and extreme magnetoresistance of WTe ₂. Europhysics Letters, 2015, 110, 67002.	2.0	97
15	Non-symmorphic band degeneracy at the Fermi level in ZrSiTe. New Journal of Physics, 2016, 18, 125014.	2.9	94
16	High mobility in a van der Waals layered antiferromagnetic metal. Science Advances, 2020, 6, eaay6407.	10.9	94
17	Magnetic Properties of Restacked 2D Spin 1/2 honeycomb RuCl₃ Nanosheets. Nano Letters, 2016, 16, 3578-3584.	9.5	91
18	Catalogue of flat-band stoichiometric materials. Nature, 2022, 603, 824-828.	36.2	91

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19	Evidence for a monolayer excitonic insulator. Nature Physics, 2022, 18, 87-93.	11.8	84
20	Toward Fluorinated Spacers for MAPI-Derived Hybrid Perovskites: Synthesis, Characterization, and Phase Transitions of (FC₂H₄NH₃)₂PbCl₄. Chemistry of Materials, 2016, 28, 6560-6566.	7.1	78
21	IrOOH nanosheets as acid stable electrocatalysts for the oxygen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 21558-21566.	10.5	73
22	Flat Optical Conductivity in ZrSiS due to Two-Dimensional Dirac Bands. Physical Review Letters, 2017, 119, 187401.	8.0	70
23	Topological semimetal in a Bi-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>Se<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math> infinitely adaptive superlattice phase. Physical Review B, 2012, 86, .	3.3	62
24	Landau quantization and highly mobile fermions in an insulator. Nature, 2021, 589, 225-229.	36.2	60
25	One-dimensional Luttinger liquids in a two-dimensional moirÃ© lattice. Nature, 2022, 605, 57-62.	36.2	58
26	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">Z</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math>topology	3.3	57
27	The Role of Delocalized Chemical Bonding in Square-Net-Based Topological Semimetals. Journal of the American Chemical Society, 2020, 142, 6350-6359.	14.6	56
28	Termination-dependent topological surface states of the natural superlattice phase Bi4Se3. Physical Review B, 2013, 88, .	3.3	55
29	Surface Floating 2D Bands in Layered Nonsymmorphic Semimetals: ZrSiS and Related Compounds. Physical Review X, 2017, 7, .	9.1	51
30	Li_{0.6}[Li_{0.2}Sn_{0.8}S₂] â€“ a layered lithium superionic conductor. Energy and Environmental Science, 2016, 9, 2578-2585.	32.2	50
31	Breakdown of three-dimensional Dirac semimetal state in pressurized<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">d</mml:mi><mml:mn>3</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>. Phys	3.3	43
32	Lone Pair Effect, Structural Distortions, and Potential for Superconductivity in Tl Perovskites. Inorganic Chemistry, 2013, 52, 5479-5483.	4.2	41
33	Trivalent Iridium Oxides: Layered Triangular Lattice Iridate K_{0.75}Na_{0.25}IrO₂ and Oxyhydroxide IrOOH. Chemistry of Materials, 2017, 29, 8338-8345.	7.1	40
34	Similar ultrafast dynamics of several dissimilar Dirac and Weyl semimetals. Journal of Applied Physics, 2017, 122, .	2.3	39
35	Electron-Hole Tunneling Revealed by Quantum Oscillations in the Nodal-Line Semimetal HfSiS. Physical Review Letters, 2018, 121, 256602.	8.0	37
36	Topological band crossings in hexagonal materials. Physical Review Materials, 2018, 2, .	2.5	37

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37	Soft Chemical Synthesis of H_xCrS₂: An Antiferromagnetic Material with Alternating Amorphous and Crystalline Layers. Journal of the American Chemical Society, 2019, 141, 15634-15640.	14.6	35
38	Band Engineering of Dirac Semimetals Using Charge Density Waves. Advanced Materials, 2021, 33, e2101591.	24.3	35
39	Structural Stability Diagram of ALnP₂S₆ Compounds (A = Na, K, Rb, Cs; Ln =) Tj ETQq1 1 0.784314 rgBT /Ov	4.2	34
40	Goldâ€“Gold Bonding: The Key to Stabilizing the 19-Electron Ternary Phases LnAuSb (Ln =) Tj ETQq0 0 0 rgBT /Overlock 10	14.6	31
41	Electrical Transport Signature of the Magnetic Fluctuation-Structure Relation in Î±-RuCl₃ Nanoflakes. Nano Letters, 2018, 18, 3203-3208.	9.5	31
42	Charge Density Waves and Magnetism in Topological Semimetal Candidates GdSb_xTe_{2â^'}_x_{â^'}_{Î´}. Advanced Quantum Technologies, 2019, 2, 1900045.	4.3	31
43	Change in Magnetic Properties upon Chemical Exfoliation of FeOCl. Inorganic Chemistry, 2020, 59, 1176-1182.	4.2	31
44	Spontaneous Formation of Zigzag Chains at the Metal-Insulator Transition in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>-Pyrochlore<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>CsW</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math>. Physical Review Lette	8.0	28
45	Systematic study of stacked square nets: From Dirac fermions to material realizations. Physical Review B, 2020, 101, .	3.3	28
46	Simple Chemical Rules for Predicting Band Structures of Kagome Materials. Journal of the American Chemical Society, 2022, 144, 10978-10991.	14.6	28
47	Superconductivity and magnetism in Rb0.8Fe1.6Se2under pressure. Physical Review B, 2012, 85, .	3.3	27
48	A New Three-Dimensional Subsulfide Ir₂In₈S with Dirac Semimetal Behavior. Journal of the American Chemical Society, 2019, 141, 19130-19137.	14.6	27
49	Superconducting order parameter of the nodal-line semimetal NaAlSi. APL Materials, 2019, 7, .	4.8	27
50	Tuning the magnetoresistance of ultrathin WTe₂sheets by electrostatic gating. Nanoscale, 2016, 8, 18703-18709.	5.8	26
51	Axial Higgs mode detected by quantum pathway interference in RTe3. Nature, 2022, 606, 896-901.	36.2	26
52	Pressure-induced structural phase transition in the half-Heusler compound CaAuBi. Solid State Sciences, 2014, 30, 6-10.	3.2	24
53	Characterization of the heavy metal pyrochlore lattice superconductor CaIr₂. Journal of Physics Condensed Matter, 2015, 27, 185701.	1.9	24
54	Modular Arithmetic with Nodal Lines: Drumhead Surface States in ZrSiTe. Physical Review X, 2020, 10, .	9.1	24

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55	Weyl fermions, Fermi arcs, and minority-spin carriers in ferromagnetic CoS ₂. Science Advances, 2020, 6, .	10.9	23
56	Superconductivity in the Cu(Ir<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	3.3	21
57	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn 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, .	3.3	21
58	Symmetry-enforced band crossings in trigonal materials: Accordion states and Weyl nodal lines. Physical Review Materials, 2019, 3, .	2.5	21
59	Synthesis of an aqueous, air-stable, superconducting 1Tâ€²-WS ₂ monolayer ink. Science Advances, 2023, 9, .	10.9	20
60	Pressure-restored superconductivity in Cu-substituted FeSe. Physical Review B, 2011, 84, .	3.3	19
61	The properties and prospects of chemically exfoliated nanosheets for quantum materials in two dimensions. Applied Physics Reviews, 2021, 8, .	11.7	19
62	Chemical bonds in topological materials. Trends in Chemistry, 2021, 3, 700-715.	9.0	18
63	Determination of the Fermi surface and field-induced quasiparticle tunneling around the Dirac nodal loop in ZrSiS. Physical Review Research, 2020, 2, .	3.6	18
64	Effect of pressure on superconductivity in NaAlSi. Physical Review B, 2012, 86, .	3.3	17
65	Toward Tunable Photonic Nanosheet Sensors: Strong Influence of the Interlayer Cation on the Sensing Characteristics. Advanced Materials, 2017, 29, 1604884.	24.3	17
66	Robustness of Yu-Shiba-Rusinov resonances in the presence of a complex superconducting order parameter. Physical Review B, 2019, 100, .	3.3	17
67	Dirac fermions and possible weak antilocalization in LaCuSb2. APL Materials, 2019, 7, .	4.8	17
68	The effect of spin-orbit coupling on nonsymmorphic square-net compounds. Journal of Physics and Chemistry of Solids, 2019, 128, 296-300.	4.1	17
69	A cleanroom in a glovebox. Review of Scientific Instruments, 2020, 91, 073909.	1.4	17
70	Complex magnetic phases enriched by charge density waves in the topological semimetals <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>GdSb</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>x</mml:mi></mml:mrow></mml:math>. Physical Review B, 2021, 103, .	3.3	17
71	Evolving Devil's Staircase Magnetization from Tunable Charge Density Waves in Nonsymmorphic Dirac Semimetals. Advanced Materials, 2021, 33, e2103476.	24.3	16
72	Chemical Exfoliation toward Magnetic 2D VOCl Monolayers. ACS Nano, 2022, 16, 13814-13820.	15.3	16

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73	The First Quinary Rare Earth Thiophosphates: Cs₅Ln₃X₃(P₂S₆)₂(PS₄) (Ln = La, Ce, X = Br, Cl) and the Quasiâ€Quaternary Cs₁₀Y₄Cl₁₀(P₂S₆)₃. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1818-1823.	1.3	15
74	Directly photoexcited Dirac and Weyl fermions in ZrSiS and NbAs. Applied Physics Letters, 2018, 113, .	3.2	14
75	Transient Drude Response Dominates Near-Infrared Pumpâ€“Probe Reflectivity in Nodal-Line Semimetals ZrSiS and ZrSiSe. Journal of Physical Chemistry Letters, 2020, 11, 6105-6111.	4.9	14
76	Kinetics and Evolution of Magnetism in Soft-Chemical Synthesis of CrSe₂ from KCrSe₂. Chemistry of Materials, 2021, 33, 8070-8078.	7.1	14
77	Ird-band derived superconductivity in the lanthanum-iridium system LaIr₃. Journal of Physics Condensed Matter, 2017, 29, 475602.	1.9	13
78	Challenges in High-Throughput Inorganic Materials Prediction and Autonomous Synthesis. , 2024, 3, .		13
79	Correlated evolution of colossal thermoelectric effect and Kondo insulating behavior. APL Materials, 2013, 1, .	4.8	12
80	Synthesis and Characterization of Copper Hexathiometadiphosphate Cu₂P₂S₆. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 356-360.	1.3	12
81	New Light on an Old Story: The Crystal Structure of Boron Tetrathiophosphate Revisited. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 267-271.	1.3	12
82	Anomalous Shubnikov-de Haas quantum oscillations in rare-earth tritelluride <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NdTe</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> Physical Review B, 2020, 102, .	3.3	11
83	Origin of the butterfly magnetoresistance in ZrSiS. Physical Review Materials, 2019, 3, .	2.5	11
84	TaCo₂Te₂: An Airâ€Stable, High Mobility Van der Waals Material with Probable Magnetic Order. Advanced Functional Materials, 2022, 32, .	16.5	11
85	A Class of Magnetic Topological Material Candidates with Hypervalent Bi Chains. Journal of the American Chemical Society, 2022, 144, 9785-9796.	14.6	11
86	Vapor-Phase Amine Intercalation for the Rational Design of Photonic Nanosheet Sensors. Chemistry of Materials, 2018, 30, 2557-2565.	7.1	9
87	Single-Crystal Growth and Characterization of the Chalcopyrite Semiconductor CuInTe₂ for Photoelectrochemical Solar Fuel Production. Journal of Physical Chemistry Letters, 2018, 9, 6833-6840.	4.9	9
88	Out-of-plane transport in ZrSiS and ZrSiSe microstructures. APL Materials, 2019, 7, .	4.8	9
89	Magneto-optical probe of the fully gapped Dirac band in ZrSiS. Physical Review Research, 2019, 1, .	3.6	9
90	Thermomagnetic Properties Improved by Selfâ€Organized Floweraâ€Like Phase Separation of Ferromagnetic Co₂Dy_{0.5}Mn_{0.5}Sn. Advanced Functional Materials, 2012, 22, 1822-1826.	16.5	8

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91	Pressure effect on superconductivity in FeSe_{0.5}Te_{0.5}. Physica Status Solidi (B): Basic Research, 2017, 254, 1600161.	1.6	8
92	On the possibility of magnetic Weyl fermions in non-symmorphic compound PtFeSb. European Physical Journal B, 2018, 91, 1.	1.6	8
93	Fermi-level Dirac crossings in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>4</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>5</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml cubic metal oxides: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NaPd</mml:mi><mml:mn>3</mml:mn></ml	3.3	8
94	Signature of an ultrafast photoinduced Lifshitz transition in the nodal-line semimetal ZrSiTe. Physical Review B, 2021, 103, .	3.3	8
95	Atomically Sharp Internal Interface in a Chiral Weyl Semimetal Nanowire. Nano Letters, 2023, 23, 2695-2702.	9.5	8
96	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Pb</mml:mi><mml:mn>9</mml:mn></ml : Phonon bands, localized flat-band magnetism, models, and chemical analysis. Physical Review B, 2023, 108, .	3.3	8
97	The effect of Fe doping on superconductivity in ZrRuP. Solid State Communications, 2011, 151, 1504-1506.	1.9	7
98	Synthesis and Characterization of Three New Lithiumâ€Scandium Hexathiohypodiphosphates: Li_{4â€“3x}Sc_xP₂S₆ (x = 0.358), mâ€LiScP₂S₆, and tâ€LiScP₂S₆. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1854-1862.	1.3	7
99	Free-carrier dynamics in Au₂Pb probed by optical conductivity measurements. Journal of Physics Condensed Matter, 2018, 30, 485403.	1.9	7
100	Unlocking High Capacity and Fast Na⁺ Diffusion of H_xCrS₂ by Protonâ€Exchange Pretreatment. Advanced Materials, 2023, 35, .	24.3	7
101	Atomic Resolution Imaging of Highly Air-Sensitive Monolayer and Twisted-Bilayer WTe₂. Nano Letters, 2023, 23, 6868-6874.	9.5	7
102	Structure and elementary properties of the new Ir hollandite Rb0.17IrO2. Journal of Solid State Chemistry, 2014, 209, 37-41.	3.0	6
103	Robust Narrow-Gap Semiconducting Behavior in Square-Net La₃Cd₂As₆. Chemistry of Materials, 2021, 33, 4122-4127.	7.1	6
104	Charge density wave-templated spin cycloid in topological semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NdSb</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:mi></mml Physical Review Materials, 2023, 7, .	2.5	6
105	Unconventional superconducting quantum criticality in monolayer WTe2. Nature Physics, 2024, 20, 269-274.	11.8	6
106	Copper Selenidophosphates Cu₄P₂Se₆, Cu₄P₃Se₄, Cu₄P₄Se₃, and CuP₂Se, Featuring Zero-, One-, and Two-Dimensional Anions. Inorganic Chemistry, 2016, 55, 8031-8040.	4.2	5
107	Special topic on topological semimetalsâ€"New directions. APL Materials, 2020, 8, .	4.8	5
108	Square-Net Topological Semimetals: How Spectroscopy Furthers Understanding and Control. Journal of Physical Chemistry Letters, 2022, 13, 838-850.	4.9	5

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109	3D Analogs of Square-Net Nodal Line Semimetals: Band Topology of Cubic LaIn₃. Chemistry of Materials, 2022, 34, 4446-4455.	7.1	5
110	Magnetic Nanosheets via Chemical Exfoliation of K_{2x}Mn_xSn_{1â€“x}S₂. Chemistry of Materials, 2022, 34, 5084-5093.	7.1	5
111	Superconductivity in HfCuGe 2 : A non-magnetic analog of the 1111 iron pnictides. Europhysics Letters, 2013, 101, 67001.	2.0	4
112	Weyl nodes and magnetostructural instability in antiperovskite Mn3ZnC. APL Materials, 2019, 7, .	4.8	4
113	Layer-cake 2D superconductivity. Science, 2020, 370, 170-170.	20.9	4
114	Quasiparticle interference observation of the topologically nontrivial drumhead surface state in ZrSiTe. Physical Review B, 2022, 105, .	3.3	4
115	Theoretical study of topological properties of ferromagnetic pyrite CoS₂. Journal Physics D: Applied Physics, 2022, 55, 304004.	2.9	4
116	Evidence for two dimensional anisotropic Luttinger liquids at millikelvin temperatures. Nature Communications, 2023, 14, .	13.2	3
117	Surface-confined two-dimensional mass transport and crystal growth on monolayer materials. Nature Synthesis, 2024, 3, 386-393.	10.0	3
118	Chemical exfoliation of 1-dimensional antiferromagnetic nanoribbons from a non-van der Waals material. Nanoscale Horizons, 2024, 9, 479-486.	7.7	3
119	new polymorph of HfCuGe with a novel structure type. Journal of Solid State Chemistry, 2013, 199, 66-70.	3.0	2
120	Evolution of magnetic fluctuations through the Fe-induced paramagnetic to ferromagnetic transition inCr2B. Physical Review B, 2016, 93, .	3.3	2
121	Ln₃MBi₅ (Ln=Pr, Nd, Sm; M=Zr, Hf): Intermetallics with Hypervalent Bismuth Chains. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	1.3	2
122	Phase tuning of multiple Andreev reflections of Dirac fermions and the Josephson supercurrent in Alâ€“MoTe ₂ â€“Al junctions. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.6	2
123	Chemically exfoliated nanosheets of Î²-Bi₂O₃. JPhys Materials, 2022, 5, 044004.	4.3	2
124	Photoinduced band renormalization effects in the topological nodal-line semimetal ZrSiS. Physical Review B, 2022, 106, .	3.3	2
125	Acid-Assisted Soft Chemical Route for Preparing High-Quality Superconducting 2M-WS₂. Chemistry of Materials, 2023, 35, 5487-5496.	7.1	2
126	A platform for far-infrared spectroscopy of quantum materials at millikelvin temperatures. Review of Scientific Instruments, 2023, 94, .	1.4	2

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127	Ultrafast Dynamics of the Topological Semimetal GdSb_xTe_{2â€“xâ€“Î´} in the Presence and Absence of a Charge Density Wave. Journal of Physical Chemistry C, 2023, 127, 577-584.	3.3	1
128	Topological Materials and Solid-State Chemistryâ€”Finding and Characterizing New Topological Materials. Springer Series in Solid-state Sciences, 2018, , 211-243.	0.0	0
129	Cover Feature: Ln₃MBi₅ (Ln=Pr, Nd, Sm; M=Zr, Hf): Intermetallics with Hypervalent Bismuth Chains (Z. Anorg. Allg. Chem. 15/2022). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	1.3	0
130	Experimental Realization of a Three-Dimensional Dirac Semimetal Phase with a Tunable Lifshitz Transition in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Au</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mr Physical Review Letters, 2023, 130, .	8.0	0
131	Fe Site Order and Magnetic Properties of Fe_{1/4}NbS₂. Inorganic Chemistry, 0, , .	4.2	0
132	Anisotropic and Highâ€Mobility Electronic Transport in a Quasi 2D Antiferromagnet NdSb₂. Advanced Functional Materials, 2024, 34, .	16.5	0
133	Edge supercurrent reveals competition between condensates in a Weyl superconductor. Nature Physics, 2024, 20, 261-268.	11.8	0
134	Unconventional superconducting quantum criticality in monolayer WTe2. Nature Physics, 2024, 20, 269-274.	11.8	0
135	Chemical exfoliation of 1-dimensional antiferromagnetic nanoribbons from a non-van der Waals material. Nanoscale Horizons, 2024, 9, 479-486.	7.7	0
136	Chemical Bonding Induces One-Dimensional Physics in Bulk Crystal BiIr₄Se₈. Journal of the American Chemical Society, 2024, 146, 6784-6795.	14.6	0
137	Toward 1D Transport in 3D Materials: SOCâ€Induced Chargeâ€Transport Anisotropy in Sm₃ZrBi₅. Advanced Materials, 0, , .	24.3	0
138	Uniaxial strain effects on the Fermi surface and quantum mobility of the Dirac nodal-line semimetal ZrSiS. Physical Review B, 2024, 109, .	3.3	0
139	Atomic-scale visualization of a cascade of magnetic orders in the layered antiferromagnet GdTe3. Npj Quantum Materials, 2024, 9, .	5.2	0
140	Freestanding Monolayer CrOCl Through Chemical Exfoliation. Nanoscale Horizons, 0, , .	7.7	0
141	Realignment and suppression of charge density waves in the rare-earth tritellurides <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mi>R</mml:mi><mml:mi mathvariant="normal">Te</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> <mml:math		

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145	Interacting bands with extended quantum metric in kagome Cs₂Ni₃S₄	10.9	0
146	Role of Cr Redox and Dynamics in Electrochemical Cycling of H_xCrS_{2â˜’Î´}. Chemistry of Materials, 2024, 36, 9469-9479.	7.1	0