

# Zhisheng Zhao

## List of Publications by Year in descending order

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148  
papers

6,274  
citations

159585

30  
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74163

75  
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151  
all docs

151  
docs citations

151  
times ranked

5899  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microscopic theory of hardness and design of novel superhard crystals. International Journal of Refractory Metals and Hard Materials, 2012, 33, 93-106.	3.8	900
2	Ultrahard nanotwinned cubic boron nitride. Nature, 2013, 493, 385-388.	27.8	662
3	Nanotwinned diamond with unprecedented hardness and stability. Nature, 2014, 510, 250-253.	27.8	611
4	Flexible All-Solid-State Supercapacitors based on Liquid-Exfoliated Black Phosphorus Nanoflakes. Advanced Materials, 2016, 28, 3194-3201.	21.0	290
5	Te-Doped Black Phosphorus Field-Effect Transistors. Advanced Materials, 2016, 28, 9408-9415.	21.0	241
6	Novel Superhard Carbon: C-Centered Orthorhombic $C_8$ . Physical Review Letters, 2011, 107, 215502.	7.8	225
7	Flexible all-perovskite tandem solar cells approaching 25% efficiency with molecule-bridged hole-selective contact. Nature Energy, 2022, 7, 708-717.	39.5	171
8	Tetragonal Allotrope of Group 14 Elements. Journal of the American Chemical Society, 2012, 134, 12362-12365.	13.7	170
9	Direct Band Gap Silicon Allotropes. Journal of the American Chemical Society, 2014, 136, 9826-9829.	13.7	151
10	Recent Advances in Superhard Materials. Annual Review of Materials Research, 2016, 46, 383-406.	9.3	119
11	Three Dimensional Carbon-Nanotube Polymers. ACS Nano, 2011, 5, 7226-7234.	14.6	110
12	Compressed glassy carbon: An ultrastrong and elastic interpenetrating graphene network. Science Advances, 2017, 3, e1603213.	10.3	110
13	Potential high- $T_c$ superconductivity in $CaYH_{12}$ under pressure. Physical Review B, 2019, 99, 020407.	3.2	109
14	Flexible Black-Phosphorus Nanoflake/Carbon Nanotube Composite Paper for High-Performance All-Solid-State Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 44478-44484.	8.0	89
15	Compressed carbon nanotubes: A family of new multifunctional carbon allotropes. Scientific Reports, 2013, 3, 1331.	3.3	80
16	Atomically Resolving Polymorphs and Crystal Structures of $In_2Se_3$ . Chemistry of Materials, 2019, 31, 10143-10149.	6.7	71
17	Lateral Bilayer $MoS_2$ "WS <sub>2</sub> " Heterostructure Photodetectors with High Responsivity and Detectivity. Advanced Optical Materials, 2019, 7, 1900815.	7.3	65
18	Nanoarchitected materials composed of fullerene-like spheroids and disordered graphene layers with tunable mechanical properties. Nature Communications, 2015, 6, 6212.	12.8	57

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19	Exotic Cubic Carbon Allotropes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24233-24238.	3.1	53
20	First-principles study of O-BN: A $sp^3$ -bonding boron nitride allotrope. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	53
21	Discovery of carbon-based strongest and hardest amorphous material. <i>National Science Review</i> , 2022, 9, nwab140.	9.5	49
22	Application of hard ceramic materials B <sub>4</sub> C in energy storage: Design B <sub>4</sub> C@C core-shell nanoparticles as electrodes for flexible all-solid-state micro-supercapacitors with ultrahigh cyclability. <i>Nano Energy</i> , 2020, 75, 104947.	16.0	47
23	Bulk Re <sub>2</sub> C: Crystal Structure, Hardness, and Ultra-incompressibility. <i>Crystal Growth and Design</i> , 2010, 10, 5024-5026.	3.0	46
24	Nanocrystalline high-entropy carbide ceramics with improved mechanical properties. <i>Journal of the American Ceramic Society</i> , 2022, 105, 606-613.	3.8	46
25	Superhard F-carbon predicted by <i>ab initio</i> particle-swarm optimization methodology. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 165504.	1.8	42
26	Grain-boundary-rich polycrystalline monolayer WS <sub>2</sub> film for attomolar-level Hg <sup>2+</sup> sensors. <i>Nature Communications</i> , 2021, 12, 3870.	12.8	42
27	Semiconducting Superhard Ruthenium Monocarbide. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9961-9964.	3.1	40
28	A superhard $sp^3$ microporous carbon with direct bandgap. <i>Chemical Physics Letters</i> , 2017, 689, 68-73.	2.6	39
29	Prediction of a Three-Dimensional Conductive Superhard Material: Diamond-like BC <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2010, 114, 22688-22690.	3.1	33
30	Superhard superstrong carbon clathrate. <i>Carbon</i> , 2016, 105, 151-155.	10.3	33
31	First-principles study of crystal structures and superconductivity of ternary $YSH_6$ and $LaSH_6$ at high pressures. <i>Physical Review B</i> , 2019, 100, .	3.2	33
32	Mechanical polishing of ultrahard nanotwinned diamond via transition into hard $sp^2$ - $sp^3$ amorphous carbon. <i>Carbon</i> , 2020, 161, 1-6.	10.3	33
33	Continuous strengthening in nanotwinned diamond. <i>Npj Computational Materials</i> , 2019, 5, .	8.7	32
34	Porous bismuth antimony telluride alloys with excellent thermoelectric and mechanical properties. <i>Journal of Materials Chemistry A</i> , 2021, 9, 4990-4999.	10.3	32
35	Mechanical properties of boron arsenide single crystal. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	31
36	Direct large-scale fabrication of C-encapsulated B <sub>4</sub> C nanoparticles with tunable dielectric properties as excellent microwave absorbers. <i>Carbon</i> , 2019, 148, 504-511.	10.3	30

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37	Is orthorhombic iron tetraboride superhard?. <i>Journal of Materiomics</i> , 2015, 1, 45-51.	5.7	29
38	Novel high-pressure phases of AlN: A first-principles study. <i>Computational Materials Science</i> , 2016, 117, 496-501.	3.0	29
39	Properties of the exotic metastable ST12 germanium allotrope. <i>Nature Communications</i> , 2017, 8, 13909.	12.8	29
40	Enhanced thermoelectric performance of Na-doped PbTe synthesized under high pressure. <i>Science China Materials</i> , 2018, 61, 1218-1224.	6.3	29
41	High-pressure behaviors of carbon nanotubes. <i>Journal of Superhard Materials</i> , 2012, 34, 371-385.	1.2	28
42	Hard three-dimensional BN framework with one-dimensional metallicity. <i>Journal of Alloys and Compounds</i> , 2018, 731, 364-368.	5.5	27
43	Superhard conductive orthorhombic carbon polymorphs. <i>Carbon</i> , 2020, 158, 546-552.	10.3	27
44	Predicting the ground-state structure of sodium boride. <i>Physical Review B</i> , 2018, 97, .	3.2	26
45	Pressure-induced boron nitride nanotube derivatives: 3D metastable allotropes. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	25
46	Preparation of dense B <sub>4</sub> C ceramics by spark plasma sintering of high-purity nanoparticles. <i>Journal of the European Ceramic Society</i> , 2021, 41, 3929-3936.	5.7	25
47	Proximity Enhanced Hydrogen Evolution Reactivity of Substitutional Doped Monolayer WS <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 19406-19413.	8.0	24
48	An <i>ab initio</i> study on the transition paths from graphite to diamond under pressure. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 145402.	1.8	22
49	Prediction of a superconductive superhard material: Diamond-like BC7. <i>Journal of Applied Physics</i> , 2011, 110, 013501.	2.5	21
50	Role of plastic deformation in tailoring ultrafine microstructure in nanotwinned diamond for enhanced hardness. <i>Science China Materials</i> , 2017, 60, 178-185.	6.3	21
51	Photoluminescence and Raman Spectra Oscillations Induced by Laser Interference in Annealing-Created Monolayer WS <sub>2</sub> Bubbles. <i>Advanced Optical Materials</i> , 2019, 7, 1801373.	7.3	21
52	Novel three-dimensional boron nitride allotropes from compressed nanotube bundles. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7022.	5.5	20
53	Superhard sp <sup>2</sup> -sp <sup>3</sup> hybrid carbon allotropes with tunable electronic properties. <i>AIP Advances</i> , 2016, 6, 055020.	1.3	20
54	Metastable phases, phase transformation and properties of AlAs based on first-principle study. <i>Computational Materials Science</i> , 2017, 128, 337-342.	3.0	20

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55	Discovery of superhard materials via CALYPSO methodology*. Chinese Physics B, 2019, 28, 106104.	1.4	20
56	Enhanced Stability of Black Phosphorus Field-Effect Transistors via Hydrogen Treatment. Advanced Electronic Materials, 2018, 4, 1700455.	5.1	19
57	Superhard and high-strength yne-diamond semimetals. Diamond and Related Materials, 2014, 46, 15-20.	3.9	18
58	Superhard orthorhombic phase of B <sub>2</sub> CO compound. Diamond and Related Materials, 2017, 73, 87-92.	3.9	18
59	Narrow-gap, semiconducting, superhard amorphous carbon with high toughness, derived from C60 fullerene. Cell Reports Physical Science, 2021, 2, 100575.	5.6	18
60	Extraordinary high-temperature mechanical properties in binder-free nanopolycrystalline WC ceramic. Journal of Materials Science and Technology, 2022, 97, 169-175.	10.7	18
61	Carbon coated face-centered cubic Ru-C nanoalloys. Nanoscale, 2014, 6, 10370-10376.	5.6	17
62	Multithreaded conductive carbon: 1D conduction in 3D carbon. Carbon, 2017, 115, 584-588.	10.3	17
63	Strain Release Induced Novel Fluorescence Variation in CVD-Grown Monolayer WS <sub>2</sub> Crystals. ACS Applied Materials & Interfaces, 2017, 9, 34071-34077.	8.0	17
64	Enhanced thermoelectric performance of high pressure synthesized Sb-doped Mg <sub>2</sub> Si. Journal of Alloys and Compounds, 2018, 741, 1148-1152.	5.5	17
65	Investigation on the Stability of Derivative Melam from Melamine Pyrolysis under High Pressure. Nanomaterials, 2018, 8, 172.	4.1	17
66	Layered porous materials indium triphosphide InP <sub>3</sub> for high-performance flexible all-solid-state supercapacitors. Journal of Power Sources, 2019, 438, 227010.	7.8	17
67	High-Performance Broadband Photodetectors of Heterogeneous 2D Inorganic Molecular Sb <sub>2</sub> O <sub>3</sub> /Monolayer MoS <sub>2</sub> Crystals Grown via Chemical Vapor Deposition. Advanced Optical Materials, 2020, 8, 2000168.	7.3	17
68	Novel High-Pressure Phase of RhB: First-Principles Calculations. Journal of Physical Chemistry C, 2011, 115, 19910-19915.	3.1	16
69	Interpenetrating graphene networks: Three-dimensional node-line semimetals with massive negative linear compressibilities. Physical Review B, 2016, 94, .	3.2	16
70	Coexistence of multiple metastable polytypes in rhombohedral bismuth. Scientific Reports, 2016, 6, 20337.	3.3	16
71	Si <sub>10</sub> : A sp <sup>3</sup> Silicon Allotrope with Spirally Connected Si <sub>5</sub> Tetrahedrons. Chemistry of Materials, 2016, 28, 6441-6445.	6.7	16
72	Superhard three-dimensional B <sub>3</sub> N <sub>4</sub> with two-dimensional metallicity. Journal of Materials Chemistry C, 2017, 5, 5897-5901.	5.5	16

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73	Effect of layer and stacking sequence in simultaneously grown 2H and 3R WS <sub>2</sub> atomic layers. <i>Nanotechnology</i> , 2019, 30, 345203.	2.6	16
74	Enhanced thermoelectric performance of bismuth-doped magnesium silicide synthesized under high pressure. <i>Journal of Materials Science</i> , 2018, 53, 9091-9098.	3.7	15
75	High-pressure phases of boron arsenide with potential high thermal conductivity. <i>Physical Review B</i> , 2019, 99, .	3.2	15
76	Small onion-like BN leads to ultrafine-twinned cubic BN. <i>Science China Materials</i> , 2019, 62, 1169-1176.	6.3	15
77	Design of a Class of New sp <sup>2</sup> and sp <sup>3</sup> Carbons Constructed by Graphite and Diamond Building Blocks. <i>Chinese Physics Letters</i> , 2021, 38, 028102.	3.3	15
78	Pressure-Induced Polymerization and Disproportionation of Li <sub>2</sub> C <sub>2</sub> Accompanied with Irreversible Conductivity Enhancement. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4241-4245.	4.6	14
79	Preparation of pure $\beta$ -phase titanium alloys with low moduli via high pressure solution treatment. <i>Journal of Alloys and Compounds</i> , 2017, 695, 45-51.	5.5	14
80	Grain wall boundaries in centimeter-scale continuous monolayer WS <sub>2</sub> film grown by chemical vapor deposition. <i>Nanotechnology</i> , 2018, 29, 255705.	2.6	14
81	First-principles studies of superhard BC <sub>8</sub> N structures. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	14
82	Superconducting ultraincompressible hard cubic Re <sub>4</sub> C. <i>Computational Materials Science</i> , 2011, 50, 1592-1596.	3.0	13
83	New hexagonal boron nitride polytypes with triple-layer periodicity. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	13
84	Superhard sp <sup>2</sup> -sp <sup>3</sup> hybridized BC <sub>2</sub> N: A 3D crystal with 1D and 2D alternate metallicity. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	13
85	First principles studies of superhard BC <sub>6</sub> N phases with unexpected 1D metallicity. <i>Computational Materials Science</i> , 2018, 148, 157-164.	3.0	13
86	Modifying Carbon Nitride through Extreme Phosphorus Substitution. , 2019, 1, 14-19.		13
87	One-step synthetic route and sintering for carbon-coated B <sub>4</sub> C nanoparticles. <i>Journal of Alloys and Compounds</i> , 2019, 782, 263-269.	5.5	13
88	Strengthening effects of penetrating twin boundary and phase boundary in polycrystalline diamond. <i>Diamond and Related Materials</i> , 2021, 117, 108436.	3.9	13
89	High-sensitivity and versatile plasmonic biosensor based on grain boundaries in polycrystalline 1L WS <sub>2</sub> films. <i>Biosensors and Bioelectronics</i> , 2021, 194, 113596.	10.1	13
90	One-Step Growth of Spatially Graded Mo <sub>x</sub> W <sub>x</sub> S <sub>2</sub> Monolayers with a Wide Span in Composition (from $x = 0$ to 1) at a Large Scale. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20979-20986.	8.0	12

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91	Pentadiamond-like Metallic Hard Carbon Nitride. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24978-24983.	3.1	12
92	Heat-treated glassy carbon under pressure exhibiting superior hardness, strength and elasticity. <i>Journal of Materiomics</i> , 2021, 7, 177-184.	5.7	12
93	Universal Phase Transitions of $B_{1-x}A_x$ -Structured Stoichiometric Transition Metal Carbides. <i>Inorganic Chemistry</i> , 2011, 50, 9266-9272.	4.0	11
94	Novel high-pressure phases of AlP from first principles. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	11
95	The rise of plastic deformation in boron nitride ceramics. <i>Science China Materials</i> , 2021, 64, 46-51.	6.3	11
96	In Situ Grown Ultrafine $RuO_2$ Nanoparticles on $GeP_5$ Nanosheets as the Electrode Material for Flexible Planar Micro-Supercapacitors with High Specific Capacitance and Cyclability. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 47560-47571.	8.0	11
97	High-pressure phases of $NaAlH_4$ from first principles. <i>Applied Physics Letters</i> , 2012, 100, 061905.	3.3	10
98	Tian et al. reply. <i>Nature</i> , 2013, 502, E2-E3.	27.8	10
99	Mechanically ductile 3D $sp^2$ microporous carbon. <i>Journal of Materials Science</i> , 2018, 53, 4316-4322.	3.7	10
100	Extreme mechanical anisotropy in diamond with preferentially oriented nanotwin bundles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	10
101	Accelerated Degradation of $CrCl_3$ Nanoflakes Induced by Metal Electrodes: Implications for Remediation in Nanodevice Fabrication. <i>ACS Applied Nano Materials</i> , 2019, 2, 1597-1603.	5.0	9
102	Universal Phase Transitions of $AlB_2$ -Type Transition-Metal Diborides. <i>ACS Omega</i> , 2020, 5, 4620-4625.	3.5	9
103	Hard and tough ultrafine-grained $B_4C$ -cBN composites prepared by high-pressure sintering. <i>Journal of the European Ceramic Society</i> , 2022, 42, 2015-2020.	5.7	9
104	Heterogeneous Diamond-cBN Composites with Superb Toughness and Hardness. <i>Nano Letters</i> , 2022, 22, 4979-4984.	9.1	9
105	Prediction of a conducting hard ductile cubic $IrC$ . <i>Physica Status Solidi - Rapid Research Letters</i> , 2010, 4, 230-232.	2.4	8
106	Strengthening in high-pressure quenched Zr. <i>High Pressure Research</i> , 2017, 37, 278-286.	1.2	8
107	In-Situ Observation of the Formation of Fibrous Sulfur under High Pressure. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14696-14700.	3.1	8
108	Rapid fabrication of hierarchical porous $SiC/C$ hybrid structure: toward high-performance capacitive energy storage with ultrahigh cyclability. <i>Journal of Materials Science</i> , 2021, 56, 16068-16081.	3.7	8

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109	Low-energy 3D $sp^2$ carbons with versatile properties beyond graphite and graphene. Dalton Transactions, 2018, 47, 6233-6239.	3.3	7
110	Novel carbon polymorphs with cumulative double bonds in three-dimensional $sp^2$ hybrid framework. Physical Chemistry Chemical Physics, 2018, 20, 15022-15029.	2.8	7
111	Two-dimensional boron on Pb (1 1 0) surface. FlatChem, 2018, 7, 34-41.	5.6	7
112	Restacked melon as highly-efficient photocatalyst. Nano Energy, 2020, 77, 105124.	16.0	7
113	Influence of van der Waals epitaxy on phase transformation behaviors in 2D heterostructure. Applied Physics Letters, 2020, 116, .	3.3	7
114	Superconductivity in graphite-diamond hybrid. Materials Today Physics, 2022, 23, 100630.	6.0	7
115	Properties of CaB <sub>6</sub> single crystals synthesized under high pressure and temperature. Science China: Physics, Mechanics and Astronomy, 2011, 54, 1791-1795.	5.1	6
116	Tribological properties of oleylamine-modified nickel nanoparticles as lubricating oil additive. Materials Research Express, 2019, 6, 105037.	1.6	6
117	Prediction of Li <sub>2</sub> B novel phases and superconductivity under varying pressures. Computational Materials Science, 2019, 158, 255-259.	3.0	6
118	Structural Determination of a Graphite/Hexagonal Boron Nitride Superlattice Observed in the Experiment. Inorganic Chemistry, 2021, 60, 2598-2603.	4.0	6
119	On implementing nondestructive triplet Toffoli gate with entanglement swapping operations via the GHZ state analysis. Quantum Information Processing, 2014, 13, 2039-2047.	2.2	5
120	Strengthening mechanism of $\gamma$ -Zr. Computational Materials Science, 2017, 135, 134-140.	3.0	5
121	Superhard $sp^2$ - $sp^3$ hybridized B <sub>2</sub> C <sub>3</sub> N <sub>2</sub> with 2D metallicity. Physical Chemistry Chemical Physics, 2020, 22, 22918-22922.	2.8	5
122	Ab initio study of pressure-induced metallization and superconductivity in orthorhombic LiBH <sub>2</sub> phase under ultra-high pressure. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126525.	2.1	5
123	Potential high-T superconductivity in ZrB <sub>2</sub> polymorph under pressure. Computational Materials Science, 2020, 176, 109517.	3.0	5
124	Ultrasensitive biochemical sensors based on controllably grown films of high-density edge-rich multilayer WS <sub>2</sub> islands. Sensors and Actuators B: Chemical, 2022, 353, 131081.	7.8	5
125	Novel Boron Nitride Polymorphs with Graphite-Diamond Hybrid Structure. Chinese Physics Letters, 2022, 39, 036301.	3.3	5
126	Nanocrystalline high-entropy hexaboride ceramics enable remarkable performance as thermionic emission cathodes. Fundamental Research, 2023, 3, 979-987.	3.3	5



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127	Metastable C-centered orthorhombic Si <sub>8</sub> and Ge <sub>8</sub> . Journal of Physics Condensed Matter, 2012, 24, 405803.	1.8	4
128	Three metallic BN polymorphs: 1D multi-threaded conduction in a 3D network. Physical Chemistry Chemical Physics, 2020, 22, 489-496.	2.8	4
129	Synthesis of twin-structured nanodiamond particles. AIP Advances, 2020, 10, 015240.	1.3	4
130	Anomalous melting behavior of polycrystalline bismuth quenched at high temperature and high pressure. Materials Letters, 2016, 168, 36-39.	2.6	3
131	Design of a Series of Metallic B <sub>x</sub> N <sub>x+1</sub> with Tunable Mechanical Properties. Journal of Physical Chemistry Letters, 2021, 12, 1979-1984.	4.6	3
132	Design and theoretical study of novel multifunctional 3D-BC <sub>2</sub> N polymorphs. Chemical Physics Letters, 2021, 774, 138610.	2.6	3
133	Structural diversity, large interlayer spacing and switchable electronic properties of graphitic systems. Journal of Materials Science, 2021, 56, 5509-5519.	3.7	3
134	Hard nanocrystalline gold materials prepared via high-pressure phase transformation. Nano Research, 0, , .	10.4	3
135	Prediction of a series of superhard BC <sub>4</sub> N structures. Diamond and Related Materials, 2022, 127, 109192.	3.9	3
136	POLARIZATION ENTANGLEMENT CONCENTRATIONS WITH LESS-HYPERENTANGLED PHOTON PAIRS IN MULTIPLE DEGREES OF FREEDOM. International Journal of Quantum Information, 2012, 10, 1250075.	1.1	2
137	A novel layer-structured PtN <sub>2</sub> : First-principles calculations. Journal of Superhard Materials, 2013, 35, 339-349.	1.2	2
138	High-Pressure Synthesis of cBN Nanoparticles with High-Density Nanotwin Substructures. ACS Omega, 2020, 5, 650-654.	3.5	2
139	Mechanochemically assisted synthesis of titanium carbonitride from metal and organic precursor. Journal of the American Ceramic Society, 2020, 103, 6112-6119.	3.8	2
140	Controllable growth of multilayered XSe <sub>2</sub> (X = W and Mo) for nonlinear optical and optoelectronic applications. 2D Materials, 2022, 9, 015012.	4.4	2
141	Publisher's Note: Interpenetrating graphene networks: Three-dimensional node-line semimetals with massive negative linear compressibilities [Phys. Rev. B 94, 245422 (2016)]. Physical Review B, 2017, 95, .	3.2	1
142	Strong amorphous carbon prepared by spark plasma sintering C 60. Journal of the American Ceramic Society, 2021, 104, 1655-1660.	3.8	1
143	Columbite-rich multiphase TiO <sub>2</sub> nanoceramic with superior mechanical and dielectric properties. Journal of the European Ceramic Society, 2021, 41, 4951-4957.	5.7	1
144	Research Progress in Novel In-situ Integrative Photovoltaic-Storage Tandem Cells. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2019, , 342.	1.3	1

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145	Deterministic Polarization Entanglement Purification of Cluster State in Multiple Degrees of Freedom. International Journal of Theoretical Physics, 2015, 54, 1184-1192.	1.2	0
146	3D hybrid carbon composed of multigraphene bridged by carbon chains. AIP Advances, 2018, 8, 015019.	1.3	0
147	Electronic structure and superconductivity in hexagonal Li <sub>3</sub> B <sub>2</sub> and Li <sub>2</sub> B <sub>2</sub> H phases under pressure. Journal of Applied Physics, 2019, 125, 223902.	2.5	0
148	Superhard and superconductive nondiamond-like BC structure. Diamond and Related Materials, 2020, 110, 108142.	3.9	0