## **Zhisheng Zhao**

## List of Publications by Citations

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62 4,274 25 142 h-index g-index citations papers 5.38 151 5,229 7.2 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
142	Microscopic theory of hardness and design of novel superhard crystals. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2012</b> , 33, 93-106	4.1	563
141	Ultrahard nanotwinned cubic boron nitride. <i>Nature</i> , <b>2013</b> , 493, 385-8	50.4	519
140	Nanotwinned diamond with unprecedented hardness and stability. <i>Nature</i> , <b>2014</b> , 510, 250-3	50.4	440
139	Flexible All-Solid-State Supercapacitors based on Liquid-Exfoliated Black-Phosphorus Nanoflakes. <i>Advanced Materials</i> , <b>2016</b> , 28, 3194-201	24	249
138	Novel superhard carbon: C-centered orthorhombic C8. <i>Physical Review Letters</i> , <b>2011</b> , 107, 215502	7.4	198
137	Te-Doped Black Phosphorus Field-Effect Transistors. <i>Advanced Materials</i> , <b>2016</b> , 28, 9408-9415	24	195
136	Tetragonal allotrope of group 14 elements. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 12362-	-516.4	146
135	Direct band gap silicon allotropes. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 9826-9	16.4	120
134	Three dimensional carbon-nanotube polymers. <i>ACS Nano</i> , <b>2011</b> , 5, 7226-34	16.7	94
133	Recent Advances in Superhard Materials. <i>Annual Review of Materials Research</i> , <b>2016</b> , 46, 383-406	12.8	80
132	Compressed glassy carbon: An ultrastrong and elastic interpenetrating graphene network. <i>Science Advances</i> , <b>2017</b> , 3, e1603213	14.3	77
131	Compressed carbon nanotubes: a family of new multifunctional carbon allotropes. <i>Scientific Reports</i> , <b>2013</b> , 3, 1331	4.9	73
130	Flexible Black-Phosphorus Nanoflake/Carbon Nanotube Composite Paper for High-Performance All-Solid-State Supercapacitors. <i>ACS Applied Materials &amp; Samp; Interfaces</i> , <b>2017</b> , 9, 44478-44484	9.5	69
129	Potential high-Tc superconductivity in CaYH12 under pressure. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	53
128	Exotic Cubic Carbon Allotropes. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 24233-24238	3.8	48
127	First-principles study of O-BN: A sp3-bonding boron nitride allotrope. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 053518	2.5	44
126	Nanoarchitectured materials composed of fullerene-like spheroids and disordered graphene layers with tunable mechanical properties. <i>Nature Communications</i> , <b>2015</b> , 6, 6212	17.4	43

125	Bulk Re2C: Crystal Structure, Hardness, and Ultra-incompressibility. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 5024-5026	3.5	40	
124	Lateral Bilayer MoS2WS2 Heterostructure Photodetectors with High Responsivity and Detectivity. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900815	8.1	39	
123	Superhard F-carbon predicted by ab initio particle-swarm optimization methodology. <i>Journal of Physics Condensed Matter</i> , <b>2012</b> , 24, 165504	1.8	39	
122	Semiconducting Superhard Ruthenium Monocarbide. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 9961-9	9 <u>6.</u>	36	
121	Prediction of a Three-Dimensional Conductive Superhard Material: Diamond-like BC2. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 22688-22690	3.8	31	
120	A superhard sp3 microporous carbon with direct bandgap. <i>Chemical Physics Letters</i> , <b>2017</b> , 689, 68-73	2.5	29	
119	Atomically Resolving Polymorphs and Crystal Structures of In2Se3. Chemistry of Materials, 2019, 31, 10	1 <b>4</b> 3610	149	
118	Properties of the exotic metastable ST12 germanium allotrope. <i>Nature Communications</i> , <b>2017</b> , 8, 13909	9 17.4	27	
117	Is orthorhombic iron tetraboride superhard?. Journal of Materiomics, 2015, 1, 45-51	6.7	23	
116	Novel high-pressure phases of AlN: A first-principles study. <i>Computational Materials Science</i> , <b>2016</b> , 117, 496-501	3.2	23	
115	Superhard superstrong carbon clathrate. <i>Carbon</i> , <b>2016</b> , 105, 151-155	10.4	23	
114	High-pressure behaviors of carbon nanotubes. <i>Journal of Superhard Materials</i> , <b>2012</b> , 34, 371-385	0.9	22	
113	Application of hard ceramic materials B4C in energy storage: Design B4C@C core-shell nanoparticles as electrodes for flexible all-solid-state micro-supercapacitors with ultrahigh cyclability. <i>Nano Energy</i> , <b>2020</b> , 75, 104947	17.1	21	
112	Enhanced thermoelectric performance of Na-doped PbTe synthesized under high pressure. <i>Science China Materials</i> , <b>2018</b> , 61, 1218-1224	7:1	20	
111	Prediction of a superconductive superhard material: Diamond-like BC7. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 013501	2.5	20	
110	Hard three-dimensional BN framework with one-dimensional metallicity. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 731, 364-368	5.7	19	
109	Role of plastic deformation in tailoring ultrafine microstructure in nanotwinned diamond for enhanced hardness. <i>Science China Materials</i> , <b>2017</b> , 60, 178-185	7.1	18	
108	Metastable phases, phase transformation and properties of AlAs based on first-principle study. <i>Computational Materials Science</i> , <b>2017</b> , 128, 337-342	3.2	17	

107	Novel three-dimensional boron nitride allotropes from compressed nanotube bundles. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 7022	7.1	17
106	Superhard sp2日p3 hybrid carbon allotropes with tunable electronic properties. <i>AIP Advances</i> , <b>2016</b> , 6, 055020	1.5	17
105	Continuous strengthening in nanotwinned diamond. Npj Computational Materials, 2019, 5,	10.9	17
104	Direct large-scale fabrication of C-encapsulated B4C nanoparticles with tunable dielectric properties as excellent microwave absorbers. <i>Carbon</i> , <b>2019</b> , 148, 504-511	10.4	16
103	Predicting the ground-state structure of sodium boride. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	16
102	First-principles study of crystal structures and superconductivity of ternary YSH6 and LaSH6 at high pressures. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	16
101	Carbon coated face-centered cubic Ru-C nanoalloys. <i>Nanoscale</i> , <b>2014</b> , 6, 10370-6	7.7	16
100	Novel High-Pressure Phase of RhB: First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 19910-19915	3.8	16
99	Superhard conductive orthorhombic carbon polymorphs. <i>Carbon</i> , <b>2020</b> , 158, 546-552	10.4	16
98	Discovery of carbon-based strongest and hardest amorphous material <i>National Science Review</i> , <b>2022</b> , 9, nwab140	10.8	16
97	Mechanical properties of boron arsenide single crystal. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 131903	3.4	15
96	Mechanical polishing of ultrahard nanotwinned diamond via transition into hard sp2-sp3 amorphous carbon. <i>Carbon</i> , <b>2020</b> , 161, 1-6	10.4	15
95	Enhanced Stability of Black Phosphorus Field-Effect Transistors via Hydrogen Treatment. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1700455	6.4	15
94	Superhard three-dimensional B3N4 with two-dimensional metallicity. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 5897-5901	7.1	14
93	Pressure-induced boron nitride nanotube derivatives: 3D metastable allotropes. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 165106	2.5	14
92	Photoluminescence and Raman Spectra Oscillations Induced by Laser Interference in Annealing-Created Monolayer WS2 Bubbles. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801373	8.1	14
91	Superhard and high-strength yne-diamond semimetals. <i>Diamond and Related Materials</i> , <b>2014</b> , 46, 15-20	3.5	14
90	Si10: A sp3 Silicon Allotrope with Spirally Connected Si5 Tetrahedrons. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 6441-6445	9.6	14

89	Multithreaded conductive carbon: 1D conduction in 3D carbon. Carbon, 2017, 115, 584-588	10.4	13
88	Enhanced thermoelectric performance of high pressure synthesized Sb-doped Mg2Si. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 741, 1148-1152	5.7	13
87	An ab initio study on the transition paths from graphite to diamond under pressure. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 145402	1.8	13
86	Strain Release Induced Novel Fluorescence Variation in CVD-Grown Monolayer WS Crystals. <i>ACS Applied Materials &amp; Amp; Interfaces</i> , <b>2017</b> , 9, 34071-34077	9.5	13
85	Superhard orthorhombic phase of B2CO compound. <i>Diamond and Related Materials</i> , <b>2017</b> , 73, 87-92	3.5	13
84	Interpenetrating graphene networks: Three-dimensional node-line semimetals with massive negative linear compressibilities. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	13
83	Preparation of pure Pphase titanium alloys with low moduli via high pressure solution treatment. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 695, 45-51	5.7	12
82	Superconducting ultraincompressible hard cubic Re4C. Computational Materials Science, 2011, 50, 1592	2-3596	12
81	Coexistence of multiple metastable polytypes in rhombohedral bismuth. Scientific Reports, <b>2016</b> , 6, 203	<b>33</b> 7.9	12
80	Superhard sp2-sp3 hybridized BC2N: A 3D crystal with 1D and 2D alternate metallicity. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 225103	2.5	11
79	High-pressure phases of boron arsenide with potential high thermal conductivity. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	11
78	Pressure-Induced Polymerization and Disproportionation of LiC Accompanied with Irreversible Conductivity Enhancement. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 4241-4245	6.4	11
77	Universal phase transitions of B1-structured stoichiometric transition metal carbides. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 9266-72	5.1	11
76	Grain-boundary-rich polycrystalline monolayer WS film for attomolar-level Hg sensors. <i>Nature Communications</i> , <b>2021</b> , 12, 3870	17.4	11
75	New hexagonal boron nitride polytypes with triple-layer periodicity. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 165102	2.5	10
74	Investigation on the Stability of Derivative Melam from Melamine Pyrolysis under High Pressure. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	10
73	Layered porous materials indium triphosphide InP3 for high-performance flexible all-solid-state supercapacitors. <i>Journal of Power Sources</i> , <b>2019</b> , 438, 227010	8.9	10
72	Tian et al. reply. <i>Nature</i> , <b>2013</b> , 502, E2-3	50.4	10

71	Mechanically ductile 3D sp⊞p 2 microporous carbon. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 4316-4322	4.3	10
70	Novel high-pressure phases of AlP from first principles. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 185101	2.5	10
69	One-step synthetic route and sintering for carbon-coated B4C nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 782, 263-269	5.7	10
68	Small onion-like BN leads to ultrafine-twinned cubic BN. <i>Science China Materials</i> , <b>2019</b> , 62, 1169-1176	7.1	9
67	Pentadiamond-like Metallic Hard Carbon Nitride. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 24978-249.	<b>83</b> .8	9
66	First principles studies of superhard BC6N phases with unexpected 1D metallicity. <i>Computational Materials Science</i> , <b>2018</b> , 148, 157-164	3.2	9
65	Enhanced thermoelectric performance of bismuth-doped magnesium silicide synthesized under high pressure. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 9091-9098	4.3	9
64	Discovery of superhard materials via CALYPSO methodology. <i>Chinese Physics B</i> , <b>2019</b> , 28, 106104	1.2	9
63	Grain wall boundaries in centimeter-scale continuous monolayer WS film grown by chemical vapor deposition. <i>Nanotechnology</i> , <b>2018</b> , 29, 255705	3.4	8
62	High-pressure phases of NaAlH4 from first principles. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 061905	3.4	8
61	Porous bismuth antimony telluride alloys with excellent thermoelectric and mechanical properties. Journal of Materials Chemistry A, <b>2021</b> , 9, 4990-4999	13	8
60	Preparation of dense B4C ceramics by spark plasma sintering of high-purity nanoparticles. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 3929-3936	6	8
59	Effect of layer and stacking sequence in simultaneously grown 2H and 3R WS atomic layers. <i>Nanotechnology</i> , <b>2019</b> , 30, 345203	3.4	7
58	One-Step Growth of Spatially Graded MoW S Monolayers with a Wide Span in Composition (from x = 0 to 1) at a Large Scale. <i>ACS Applied Materials &amp; Discrete Scales</i> , 2019, 11, 20979-20986	9.5	7
57	First-principles studies of superhard BC8N structures. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 175108	2.5	7
56	Accelerated Degradation of CrCl3 Nanoflakes Induced by Metal Electrodes: Implications for Remediation in Nanodevice Fabrication. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 1597-1603	5.6	7
55	Modifying Carbon Nitride through Extreme Phosphorus Substitution <b>2019</b> , 1, 14-19		7
54	Prediction of a conducting hard ductile cubic IrC. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2010</b> , 4, 230-232	2.5	7

## (2020-2021)

53	Narrow-gap, semiconducting, superhard amorphous carbon with high toughness, derived from C60 fullerene. <i>Cell Reports Physical Science</i> , <b>2021</b> , 2, 100575	6.1	7
52	Low-energy 3D sp carbons with versatile properties beyond graphite and graphene. <i>Dalton Transactions</i> , <b>2018</b> , 47, 6233-6239	4.3	6
51	Novel carbon polymorphs with cumulative double bonds in three-dimensional sp-sp hybrid framework. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 15022-15029	3.6	6
50	Properties of CaB6 single crystals synthesized under high pressure and temperature. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2011</b> , 54, 1791-1795	3.6	6
49	Proximity Enhanced Hydrogen Evolution Reactivity of Substitutional Doped Monolayer WS. <i>ACS Applied Materials &amp; Applied &amp; Appl</i>	9.5	6
48	Design of a Class of New sp 2 hp 3 Carbons Constructed by Graphite and Diamond Building Blocks. <i>Chinese Physics Letters</i> , <b>2021</b> , 38, 028102	1.8	6
47	Universal Phase Transitions of AlB-Type Transition-Metal Diborides. <i>ACS Omega</i> , <b>2020</b> , 5, 4620-4625	3.9	5
46	Two-dimensional boron on Pb (1 1 0) surface. FlatChem, 2018, 7, 34-41	5.1	5
45	On implementing nondestructive triplet Toffoli gate with entanglement swapping operations via the GHZ state analysis. <i>Quantum Information Processing</i> , <b>2014</b> , 13, 2039-2047	1.6	5
44	Strengthening in high-pressure quenched Zr. High Pressure Research, 2017, 37, 278-286	1.6	5
43	Prediction of Li2B novel phases and superconductivity under varying pressures. <i>Computational Materials Science</i> , <b>2019</b> , 158, 255-259	3.2	5
42	Strengthening mechanism of Er. Computational Materials Science, 2017, 135, 134-140	3.2	4
41	In-Situ Observation of the Formation of Fibrous Sulfur under High Pressure. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 14696-14700	3.8	4
40	Ab initio study of pressureInduced metallization and superconductivity in orthorhombic LiBH2 phase under ultra-high pressure. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2020</b> , 384, 126525	2.3	4
39	Influence of van der Waals epitaxy on phase transformation behaviors in 2D heterostructure. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 021602	3.4	4
38	Metastable C-centered orthorhombic Si8 and Ge8. <i>Journal of Physics Condensed Matter</i> , <b>2012</b> , 24, 40580	<b>3</b> .8	4
37	Heat-treated glassy carbon under pressure exhibiting superior hardness, strength and elasticity. Journal of Materiomics, <b>2021</b> , 7, 177-184	6.7	4
36	High-Performance Broadband Photodetectors of Heterogeneous 2D Inorganic Molecular Sb2O3/Monolayer MoS2 Crystals Grown via Chemical Vapor Deposition. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000168	8.1	4

35	Synthesis of twin-structured nanodiamond particles. AIP Advances, 2020, 10, 015240	1.5	3
34	Tribological properties of oleylamine-modified nickel nanoparticles as lubricating oil additive. <i>Materials Research Express</i> , <b>2019</b> , 6, 105037	1.7	3
33	Three metallic BN polymorphs: 1D multi-threaded conduction in a 3D network. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 489-496	3.6	3
32	The rise of plastic deformation in boron nitride ceramics. Science China Materials, 2021, 64, 46-51	7.1	3
31	Anomalous melting behavior of polycrystalline bismuth quenched at high temperature and high pressure. <i>Materials Letters</i> , <b>2016</b> , 168, 36-39	3.3	2
30	A novel layer-structured PtN2: First-principles calculations. <i>Journal of Superhard Materials</i> , <b>2013</b> , 35, 33	9 <del>a</del> 49	2
29	POLARIZATION ENTANGLEMENT CONCENTRATIONS WITH LESS-HYPERENTANGLED PHOTON PAIRS IN MULTIPLE DEGREES OF FREEDOM. <i>International Journal of Quantum Information</i> , <b>2012</b> , 10, 1250075	0.8	2
28	Superconductivity in graphite-diamond hybrid. <i>Materials Today Physics</i> , <b>2022</b> , 23, 100630	8	2
27	Potential high-T superconductivity in ZrB2 polymorph under pressure. <i>Computational Materials Science</i> , <b>2020</b> , 176, 109517	3.2	2
26	Restacked melon as highly-efficient photocatalyst. <i>Nano Energy</i> , <b>2020</b> , 77, 105124	17.1	2
25	Strengthening effects of penetrating twin boundary and phase boundary in polycrystalline diamond. <i>Diamond and Related Materials</i> , <b>2021</b> , 117, 108436	3.5	2
24	Nanocrystalline high-entropy carbide ceramics with improved mechanical properties. <i>Journal of the American Ceramic Society</i> , <b>2022</b> , 105, 606	3.8	2
23	High-sensitivity and versatile plasmonic biosensor based on grain boundaries in polycrystalline 1L WS films. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 194, 113596	11.8	2
22	Extraordinary high-temperature mechanical properties in binder-free nanopolycrystalline WC ceramic. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 97, 169-175	9.1	2
21	Controllable growth of multilayered XSe2 (X=W and Mo) for nonlinear optical and optoelectronic applications. <i>2D Materials</i> ,	5.9	1
20	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> , <b>2021</b> , 118,	11.5	1
19	High-Pressure Synthesis of cBN Nanoparticles with High-Density Nanotwin Substructures. <i>ACS Omega</i> , <b>2020</b> , 5, 650-654	3.9	1
18	Rapid fabrication of hierarchical porous SiC/C hybrid structure: toward high-performance capacitive energy storage with ultrahigh cyclability. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 16068-16081	4.3	1

## LIST OF PUBLICATIONS

17	Strong amorphous carbon prepared by spark-plasma sintering C60. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 1655-1660	3.8	1
16	Design and theoretical study of novel multifunctional 3D-BC2N polymorphs. <i>Chemical Physics Letters</i> , <b>2021</b> , 774, 138610	2.5	1
15	In Situ Grown Ultrafine RuO Nanoparticles on GeP Nanosheets as the Electrode Material for Flexible Planar Micro-Supercapacitors with High Specific Capacitance and Cyclability. <i>ACS Applied Materials</i> & Amp; Interfaces, 2021, 13, 47560-47571	9.5	1
14	Structural diversity, large interlayer spacing and switchable electronic properties of graphitic systems. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 5509-5519	4.3	1
13	Structural Determination of a Graphite/Hexagonal Boron Nitride Superlattice Observed in the Experiment. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 2598-2603	5.1	1
12	Mechanochemically assisted synthesis of titanium carbonitride from metal and organic precursor. Journal of the American Ceramic Society, <b>2020</b> , 103, 6112-6119	3.8	O
11	Hard and tough ultrafine-grained B4C-cBN composites prepared by high-pressure sintering. <i>Journal of the European Ceramic Society</i> , <b>2022</b> , 42, 2015-2020	6	O
10	Ultrasensitive biochemical sensors based on controllably grown films of high-density edge-rich multilayer WS2 islands. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 131081	8.5	O
9	Superhard sp-sp hybridized BCN with 2D metallicity. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 229	18 <sub>5</sub> 2629	22
8	Design of a Series of Metallic BN with Tunable Mechanical Properties. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 1979-1984	6.4	O
7	Columbite-rich multiphase TiO2 nanoceramic with superior mechanical and dielectric properties. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 4951-4957	6	0
6	Novel Boron Nitride Polymorphs with Graphite-Diamond Hybrid Structure. <i>Chinese Physics Letters</i> , <b>2022</b> , 39, 036301	1.8	O
5	Heterogeneous Diamond-cBN Composites with Superb Toughness and Hardness. Nano Letters,	11.5	0
4	Electronic structure and superconductivity in hexagonal Li3B2 and Li2B2H phases under pressure. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 223902	2.5	
3	Deterministic Polarization Entanglement Purification of Cluster State in Multiple Degrees of Freedom. <i>International Journal of Theoretical Physics</i> , <b>2015</b> , 54, 1184-1192	1.1	
2	Superhard and superconductive nondiamond-like BC structure. <i>Diamond and Related Materials</i> , <b>2020</b> , 110, 108142	3.5	

3D hybrid carbon composed of multigraphene bridged by carbon chains. *AIP Advances*, **2018**, 8, 015019 1.5