

# Xiaoxu Zhao

## List of Publications by Citations

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129  
papers

5,343  
citations

43  
h-index

69  
g-index

141  
ext. papers

7,113  
ext. citations

13.9  
avg, IF

5.85  
L-index

#	Paper	IF	Citations
129	Chemical Vapor Deposition of Large-Size Monolayer MoSe Crystals on Molten Glass. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 1073-1076	16.4	196
128	Direct Synthesis of Large-Area 2D Mo C on In Situ Grown Graphene. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700077	17.4	195
127	Olivine-type nanosheets for lithium ion battery cathodes. <i>ACS Nano</i> , <b>2013</b> , 7, 5637-46	16.7	193
126	Hierarchically Porous Carbon Plates Derived from Wood as Bifunctional ORR/OER Electrodes. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900341	24	191
125	Fabrication of flexible thermoelectric thin film devices by inkjet printing. <i>Small</i> , <b>2014</b> , 10, 3551-4	11	177
124	Phase Restructuring in Transition Metal Dichalcogenides for Highly Stable Energy Storage. <i>ACS Nano</i> , <b>2016</b> , 10, 9208-9215	16.7	160
123	Atomically-thin Bi <sub>2</sub> MoO <sub>6</sub> nanosheets with vacancy pairs for improved photocatalytic CO <sub>2</sub> reduction. <i>Nano Energy</i> , <b>2019</b> , 61, 54-59	17.1	150
122	Interface confined hydrogen evolution reaction in zero valent metal nanoparticles-intercalated molybdenum disulfide. <i>Nature Communications</i> , <b>2017</b> , 8, 14548	17.4	139
121	Chemically Exfoliated VSe Monolayers with Room-Temperature Ferromagnetism. <i>Advanced Materials</i> , <b>2019</b> , 31, e1903779	24	131
120	Ultrasensitive 2D Bi O Se Phototransistors on Silicon Substrates. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804945	24	119
119	A non-dispersion strategy for large-scale production of ultra-high concentration graphene slurries in water. <i>Nature Communications</i> , <b>2018</b> , 9, 76	17.4	117
118	Chemical Stabilization of 1T' Phase Transition Metal Dichalcogenides with Giant Optical Kerr Nonlinearity. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 2504-2511	16.4	114
117	Molecular Beam Epitaxy of Highly Crystalline Monolayer Molybdenum Disulfide on Hexagonal Boron Nitride. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9392-9400	16.4	110
116	Epitaxial Growth of Centimeter-Scale Single-Crystal MoS Monolayer on Au(111). <i>ACS Nano</i> , <b>2020</b> , 14, 5036-5045	16.7	107
115	In Situ Observation and Electrochemical Study of Encapsulated Sulfur Nanoparticles by MoS Flakes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10133-10141	16.4	106
114	Atomic engineering of high-density isolated Co atoms on graphene with proximal-atom controlled reaction selectivity. <i>Nature Communications</i> , <b>2018</b> , 9, 3197	17.4	105
113	Molecular-Beam Epitaxy of Two-Dimensional InSe and Its Giant Electroresistance Switching in Ferroresistive Memory Junction. <i>Nano Letters</i> , <b>2018</b> , 18, 6340-6346	11.5	100

112	Highly Efficient 2D NIR-II Photothermal Agent with Fenton Catalytic Activity for Cancer Synergistic Photothermal-Chemodynamic Therapy. <i>Advanced Science</i> , <b>2020</b> , 7, 1902576	13.6	96
111	Single-Atom Coated Separator for Robust Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 25147-25154	9.5	95
110	Atomically Dispersed Cobalt Trifunctional Electrocatalysts with Tailored Coordination Environment for Flexible Rechargeable Zn/Air Battery and Self-Driven Water Splitting. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2002896	21.8	95
109	Chemical Vapor Deposition of High-Quality Large-Sized MoS Crystals on Silicon Dioxide Substrates. <i>Advanced Science</i> , <b>2016</b> , 3, 1500033	13.6	93
108	Enhanced Recyclability, Stability, and Selectivity of CdS/C@Fe <sub>3</sub> O <sub>4</sub> Nanoreactors for Orientation Photodegradation of Ciprofloxacin. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 18528-33	4.8	92
107	Controllable deuteration of halogenated compounds by photocatalytic DO splitting. <i>Nature Communications</i> , <b>2018</b> , 9, 80	17.4	88
106	Gate-Tunable In-Plane Ferroelectricity in Few-Layer SnS. <i>Nano Letters</i> , <b>2019</b> , 19, 5109-5117	11.5	80
105	Specific oriented recognition of a new stable ICTX@Mfa with retrievability for selective photocatalytic degrading of ciprofloxacin. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 1367-1377	5.5	76
104	Engineering Local and Global Structures of Single Co Atoms for a Superior Oxygen Reduction Reaction. <i>ACS Catalysis</i> , <b>2020</b> , 10, 5862-5870	13.1	76
103	Mo-Terminated Edge Reconstructions in Nanoporous Molybdenum Disulfide Film. <i>Nano Letters</i> , <b>2018</b> , 18, 482-490	11.5	76
102	Engineering covalently bonded 2D layered materials by self-intercalation. <i>Nature</i> , <b>2020</b> , 581, 171-177	50.4	68
101	Controlled growth of ultrathin Mo <sub>2</sub> C superconducting crystals on liquid Cu surface. <i>2D Materials</i> , <b>2017</b> , 4, 011012	5.9	67
100	A novel hollow capsule-like recyclable functional ZnO/C/Fe <sub>3</sub> O <sub>4</sub> endowed with three-dimensional oriented recognition ability for selectively photodegrading danofloxacin mesylate. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 6513-6524	5.5	61
99	Controlled Growth and Thickness-Dependent Conduction-Type Transition of 2D Ferrimagnetic Cr S Semiconductors. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905896	24	58
98	Phase-controllable growth of ultrathin 2D magnetic FeTe crystals. <i>Nature Communications</i> , <b>2020</b> , 11, 3729	17.4	57
97	Defect Engineering of Two-Dimensional Transition-Metal Dichalcogenides: Applications, Challenges, and Opportunities. <i>ACS Nano</i> , <b>2021</b> , 15, 2165-2181	16.7	53
96	Atomically-precise dopant-controlled single cluster catalysis for electrochemical nitrogen reduction. <i>Nature Communications</i> , <b>2020</b> , 11, 4389	17.4	52
95	Lateral Epitaxy of Atomically Sharp WSe <sub>2</sub> /WS <sub>2</sub> Heterojunctions on Silicon Dioxide Substrates. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 7194-7197	9.6	50

94	Surface imprinting of a g-C <sub>3</sub> N <sub>4</sub> photocatalyst for enhanced photocatalytic activity and selectivity towards photodegradation of 2-mercaptobenzothiazole. <i>RSC Advances</i> , <b>2015</b> , 5, 40726-40736	3.7	49
93	Rapid, Scalable Construction of Highly Crystalline Acylhydrazone Two-Dimensional Covalent Organic Frameworks via Dipole-Induced Antiparallel Stacking. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 4932-4943	16.4	48
92	Engineering and modifying two-dimensional materials by electron beams. <i>MRS Bulletin</i> , <b>2017</b> , 42, 667-676	3.2	48
91	Photoluminescence Upconversion by Defects in Hexagonal Boron Nitride. <i>Nano Letters</i> , <b>2018</b> , 18, 6898-6905	6.1	48
90	Homoepitaxial Growth of Large-Scale Highly Organized Transition Metal Dichalcogenide Patterns. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704674	24	47
89	Atom-by-Atom Fabrication of Monolayer Molybdenum Membranes. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707281	2.1	46
88	Differentiating Polymorphs in Molybdenum Disulfide via Electron Microscopy. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802397	24	45
87	Molecular Beam Epitaxy of Highly Crystalline MoSe on Hexagonal Boron Nitride. <i>ACS Nano</i> , <b>2018</b> , 12, 7562-7570	16.7	44
86	Improved photoelectric performance via fabricated heterojunction g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> /HNTs loaded photocatalysts for photodegradation of ciprofloxacin. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 64, 206-218	6.3	40
85	Scalable two-step annealing method for preparing ultra-high-density single-atom catalyst libraries. <i>Nature Nanotechnology</i> , <b>2021</b> ,	28.7	40
84	Edge Segregated Polymorphism in 2D Molybdenum Carbide. <i>Advanced Materials</i> , <b>2019</b> , 31, e1808343	24	40
83	Temperature- and Phase-Dependent Phonon Renormalization in 1TQMoS. <i>ACS Nano</i> , <b>2018</b> , 12, 5051-5058	8.7	39
82	Large Area Synthesis of 1D-MoSe Using Molecular Beam Epitaxy. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605641	24	38
81	Printable two-dimensional superconducting monolayers. <i>Nature Materials</i> , <b>2021</b> , 20, 181-187	27	38
80	Atomically Dispersed Indium Sites for Selective CO Electroreduction to Formic Acid. <i>ACS Nano</i> , <b>2021</b> , 15, 5671-5678	16.7	38
79	Strain Modulation by van der Waals Coupling in Bilayer Transition Metal Dichalcogenide. <i>ACS Nano</i> , <b>2018</b> , 12, 1940-1948	16.7	37
78	Enhanced Valley Zeeman Splitting in Fe-Doped Monolayer MoS. <i>ACS Nano</i> , <b>2020</b> , 14, 4636-4645	16.7	32
77	Phase-Controlled Synthesis of Monolayer Ternary Telluride with a Random Local Displacement of Tellurium Atoms. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900862	24	30

76	Promoted Glycerol Oxidation Reaction in an Interface-Confined Hierarchically Structured Catalyst. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804763	24	29
75	Two-Dimensional Metallic NiTe with Ultrahigh Environmental Stability, Conductivity, and Electrocatalytic Activity. <i>ACS Nano</i> , <b>2020</b> , 14, 9011-9020	16.7	27
74	Spin-Valley Locking Effect in Defect States of Monolayer MoS. <i>Nano Letters</i> , <b>2020</b> , 20, 2129-2136	11.5	27
73	From All-Triazine C <sub>3</sub> N <sub>3</sub> Framework to Nitrogen-Doped Carbon Nanotubes: Efficient and Durable Trifunctional Electrocatalysts. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 7969-7977	5.6	27
72	Single crystal of a one-dimensional metallo-covalent organic framework. <i>Nature Communications</i> , <b>2020</b> , 11, 1434	17.4	26
71	Biochemical evidence for a mitochondrial genetic modifier in the phenotypic manifestation of Leber's hereditary optic neuropathy-associated mitochondrial DNA mutation. <i>Human Molecular Genetics</i> , <b>2016</b> , 25, 3613-3625	5.6	26
70	The Atomic Circus: Small Electron Beams Spotlight Advanced Materials Down to the Atomic Scale. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802402	24	26
69	Progress and prospects of aberration-corrected STEM for functional materials. <i>Ultramicroscopy</i> , <b>2018</b> , 194, 182-192	3.1	25
68	Space-confined microwave synthesis of ternary-layered BiOCl crystals with high-performance ultraviolet photodetection. <i>Information Materials</i> , <b>2020</b> , 2, 593-600	23.1	25
67	High-Energy Gain Upconversion in Monolayer Tungsten Disulfide Photodetectors. <i>Nano Letters</i> , <b>2019</b> , 19, 5595-5603	11.5	24
66	Healing of Planar Defects in 2D Materials via Grain Boundary Sliding. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900237	23.7	24
65	Ordered clustering of single atomic Te vacancies in atomically thin PtTe promotes hydrogen evolution catalysis. <i>Nature Communications</i> , <b>2021</b> , 12, 2351	17.4	24
64	Partitioning the interlayer space of covalent organic frameworks by embedding pseudorotaxanes in their backbones. <i>Nature Chemistry</i> , <b>2020</b> , 12, 1115-1122	17.6	23
63	Tuning the Spin Density of Cobalt Single-Atom Catalysts for Efficient Oxygen Evolution. <i>ACS Nano</i> , <b>2021</b> , 15, 7105-7113	16.7	21
62	A machine perspective of atomic defects in scanning transmission electron microscopy. <i>Information Materials</i> , <b>2019</b> , 1, 359-375	23.1	19
61	Mutation analysis of Leber's hereditary optic neuropathy using a multi-gene panel. <i>Biomedical Reports</i> , <b>2018</b> , 8, 51-58	1.8	18
60	Enhanced selective photocatalytic properties of a novel magnetic retrievable imprinted ZnFe <sub>2</sub> O <sub>4</sub> /PPy composite with specific recognition ability. <i>RSC Advances</i> , <b>2016</b> , 6, 51877-51887	3.7	18
59	New Family of Plasmonic Photocatalysts without Noble Metals. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 2320-2328	3.7	17

58	Room Temperature Commensurate Charge Density Wave on Epitaxially Grown Bilayer 2H-Tantalum Sulfide on Hexagonal Boron Nitride. <i>ACS Nano</i> , <b>2020</b> , 14, 3917-3926	16.7	17
57	Growth of Si nanowires in porous carbon with enhanced cycling stability for Li-ion storage. <i>Journal of Power Sources</i> , <b>2014</b> , 250, 160-165	8.9	17
56	Expedient synthesis of -hydrazone esters and 1-indazole scaffolds through heterogeneous single-atom platinum catalysis. <i>Science Advances</i> , <b>2019</b> , 5, eaay1537	14.3	17
55	Building vertically-structured, high-performance electrodes by interlayer-confined reactions in accordion-like, chemically expanded graphite. <i>Nano Energy</i> , <b>2020</b> , 70, 104482	17.1	16
54	High yield electrochemical exfoliation synthesis of tin selenide quantum dots for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 23958-23963	13	15
53	Aqueous solution synthesis of (Sb, Bi) <sub>2</sub> (Te, Se) <sub>3</sub> nanocrystals with controllable composition and morphology. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 6271	7.1	15
52	Zero-Valent Palladium Single-Atoms Catalysts Confined in Black Phosphorus for Efficient Semi-Hydrogenation. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008471	24	15
51	High thermoelectric performance enabled by convergence of nested conduction bands in PbBiSe with low thermal conductivity. <i>Nature Communications</i> , <b>2021</b> , 12, 4793	17.4	15
50	Visible-light driven room-temperature coupling of methane to ethane by atomically dispersed Au on WO <sub>3</sub> . <i>Journal of Energy Chemistry</i> , <b>2021</b> , 61, 195-202	12	15
49	From Self-Assembly Hierarchical h-BN Patterns to Centimeter-Scale Uniform Monolayer h-BN Film. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1801493	4.6	14
48	Hypertension-associated mitochondrial DNA 4401A>G mutation caused the aberrant processing of tRNAMet, all 8 tRNAs and ND6 mRNA in the light-strand transcript. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 10340-10356	28.1	12
47	Controlled Growth of 3R Phase Tantalum Diselenide and Its Enhanced Superconductivity. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 2948-2955	16.4	12
46	High-Concentration Niobium-Substituted WS Basal Domains with Reconfigured Electronic Band Structure for Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 34862-34868	9.5	11
45	Imprinting Ferromagnetism and Superconductivity in Single Atomic Layers of Molecular Superlattices. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907645	24	11
44	Synthesis of stable core-shell structured TiO <sub>2</sub> @Fe <sub>3</sub> O <sub>4</sub> based on carbon derived from yeast with an enhanced photocatalytic ability. <i>RSC Advances</i> , <b>2016</b> , 6, 46889-46899	3.7	11
43	Two-Dimensional Metallic Vanadium Ditelluride as a High-Performance Electrode Material. <i>ACS Nano</i> , <b>2021</b> , 15, 1858-1868	16.7	11
42	Iron Single Atom Catalyzed Quinoline Synthesis. <i>Advanced Materials</i> , <b>2021</b> , 33, e2101382	24	11
41	Location-selective growth of two-dimensional metallic/semiconducting transition metal dichalcogenide heterostructures. <i>Nanoscale</i> , <b>2019</b> , 11, 4183-4189	7.7	10

40	Divergent Chemistry Paths for 3D and 1D Metallo-Covalent Organic Frameworks (COFs). <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 11527-11532	16.4	10
39	Model updating of suspended-dome using artificial neural networks. <i>Advances in Structural Engineering</i> , <b>2017</b> , 20, 1727-1743	1.9	9
38	Fabrication of a visible-light In <sub>2</sub> S <sub>3</sub> /BiPO <sub>4</sub> heterojunction with enhanced photocatalytic activity. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 15136-15145	3.6	9
37	Electrochemically Exfoliated Platinum Dichalcogenide Atomic Layers for High-Performance Air-Stable Infrared Photodetectors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 8518-8527	9.5	9
36	Domain Engineering in ReS <sub>2</sub> by Coupling Strain during Electrochemical Exfoliation. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003057	15.6	8
35	Chemical Vapor Deposition of Superconducting FeTeSe Nanosheets. <i>Nano Letters</i> , <b>2021</b> , 21, 5338-5344	11.5	8
34	Effects of precursor pre-treatment on the vapor deposition of WS <sub>2</sub> monolayers. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 953-960	5.1	7
33	A novel CdS photocatalyst based on magnetic fly ash cenospheres as the carrier: performance and mechanism. <i>RSC Advances</i> , <b>2014</b> , 4, 60148-60157	3.7	7
32	Phase-Controlled Synthesis of Monolayer W Re S Alloy with Improved Photoresponse Performance. <i>Small</i> , <b>2020</b> , 16, e2000852	11	7
31	Overexpression of human mitochondrial alanyl-tRNA synthetase suppresses biochemical defects of the mt-tRNA mutation in cybrids. <i>International Journal of Biological Sciences</i> , <b>2018</b> , 14, 1437-1444	11.2	7
30	Electronegativity Induced Charge Balancing to Boost Stability and Activity of Amorphous Electrocatalyst.. <i>Advanced Materials</i> , <b>2021</b> , e2100537	24	6
29	Direct Laser Patterning of a 2D WSe <sub>2</sub> Logic Circuit. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2009549	15.6	6
28	Ultralow-Threshold and High-Quality Whispering-Gallery-Mode Lasing from Colloidal Core/Hybrid-Shell Quantum Wells.. <i>Advanced Materials</i> , <b>2022</b> , e2108884	24	5
27	High-Yield Exfoliation of Monolayer 1TQMoTe as Saturable Absorber for Ultrafast Photonics. <i>ACS Nano</i> , <b>2021</b> ,	16.7	5
26	Unveiling Atomic-Scale Moiré Features and Atomic Reconstructions in High-Angle Commensurately Twisted Transition Metal Dichalcogenide Homobilayers. <i>Nano Letters</i> , <b>2021</b> , 21, 3262-3270	11.5	5
25	Thermal-Assisted Vertical Electron Injections in Few-Layer Pyramidal-Structured MoS Crystals. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 1292-1299	6.4	5
24	Molecular engineered palladium single atom catalysts with an M-C <sub>1</sub> N <sub>3</sub> subunit for Suzuki coupling. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 11427-11432	13	5
23	Few-layer 1T' MoTe <sub>2</sub> as gapless semimetal with thickness dependent carrier transport. <i>2D Materials</i> , <b>2018</b> , 5, 031010	5.9	5



22	2D Cairo Pentagonal PdPS: Air-Stable Anisotropic Ternary Semiconductor with High Optoelectronic Performance. <i>Advanced Functional Materials</i> , 2113255	15.6	5
21	An Anomalous Magneto-Optic Effect in Epitaxial Indium Selenide Layers. <i>Nano Letters</i> , 2020, 20, 5330-5338	13.5	4
20	Self-sacrificing template strategy to non-noble Bi modified BiVO <sub>4</sub> for promoted visible light photocatalytic performance. <i>Chemical Physics Letters</i> , 2020, 755, 137786	2.5	4
19	Synthesis of Fe <sub>3</sub> O <sub>4</sub> /C with Cauliflower-Like BiVO <sub>4</sub> for Improved Separation Efficiency of Charge Carriers and Photocatalytic Activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 4675-4683	1.3	4
18	2D Electrolytes: Theory, Modeling, Synthesis, and Characterization. <i>Advanced Materials</i> , 2021, 33, e2100442	11.2	4
17	MoTe <sub>2</sub> : Semiconductor or Semimetal?. <i>ACS Nano</i> , 2021,	16.7	4
16	Divergent Chemistry Paths for 3D and 1D Metallo-Covalent Organic Frameworks (COFs). <i>Angewandte Chemie</i> , 2020, 132, 11624-11629	3.6	3
15	Epitaxial Growth of Step-Like Cr S Lateral Homojunctions Towards Versatile Conduction Polarities and Enhanced Transistor Performances. <i>Small</i> , 2021, e2105744	11	3
14	Electron beam triggered single-atom dynamics in two-dimensional materials. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 063001	1.8	2
13	Molybdenum Disulfid: Differentiating Polymorphs in Molybdenum Disulfide via Electron Microscopy (Adv. Mater. 47/2018). <i>Advanced Materials</i> , 2018, 30, 1870360	24	2
12	Single-Atom Catalysts: Atomically Dispersed Cobalt Trifunctional Electrocatalysts with Tailored Coordination Environment for Flexible Rechargeable Zn-Air Battery and Self-Driven Water Splitting (Adv. Energy Mater. 48/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070195	21.8	2
11	Atomically Precise Single Metal Oxide Cluster Catalyst with Oxygen-Controlled Activity. <i>Advanced Functional Materials</i> , 2200933	15.6	2
10	Addressing the quantitative conversion bottleneck in single-atom catalysis.. <i>Nature Communications</i> , 2022, 13, 2807	17.4	2
9	A comparison of free-hand method and electromagnetic navigation technique for the distal locking during intramedullary nailing procedures: a meta-analysis. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2021, 141, 45-53	3.6	1
8	Nanocrystalline diamond film grown by pulsed linear antenna microwave CVD. <i>Diamond and Related Materials</i> , 2021, 119, 108576	3.5	1
7	Ultralow-Threshold and High-Quality Whispering-Gallery-Mode Lasing from Colloidal Core/Hybrid-Shell Quantum Wells (Adv. Mater. 13/2022). <i>Advanced Materials</i> , 2022, 34, 2270104	24	1
6	Learning motifs and their hierarchies in atomic resolution microscopy.. <i>Science Advances</i> , 2022, 8, eabk1005	10.5	1
5	Designing Energy Materials via Atomic-resolution Microscopy and Spectroscopy. <i>Microscopy and Microanalysis</i> , 2019, 25, 1998-1999	0.5	0



- 4 Anisotropic point defects in rhenium diselenide monolayers. *IScience*, **2021**, 24, 103456 6.1 ○
- 3 Phenotype, genotype and long-term prognosis of 40 Chinese patients with isobutyryl-CoA dehydrogenase deficiency and a review of variant spectra in ACAD8. *Orphanet Journal of Rare Diseases*, **2021**, 16, 392 4.2 ○
- 2 Engineering and Modifying Two-Dimensional Materials via Electron Beams. *Microscopy and Microanalysis*, **2019**, 25, 1474-1475 0.5
- 1 Imaging and modifying 2D materials by STEM **2021**,