

Xiao Zhang

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

191
papers

18,203
citations

61
h-index

133
g-index

203
ext. papers

21,875
ext. citations

11.9
avg, IF

7.07
L-index

#	Paper	IF	Citations
191	Proton sponge promotion of electrochemical CO ₂ reduction to multi-carbon products. <i>Joule</i> , 2022 , 6, 205-220	27.8	4
190	Isorecticular Series of Two-Dimensional Covalent Organic Frameworks with the kgd Topology and Controllable Micropores.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	10
189	Recent advances in biomedical applications of 2D nanomaterials with peroxidase-like properties.. <i>Advanced Drug Delivery Reviews</i> , 2022 , 114269	18.5	2
188	CO/carbonate-mediated electrochemical water oxidation to hydrogen peroxide.. <i>Nature Communications</i> , 2022 , 13, 2668	17.4	0
187	Identification of the Intrinsic Dielectric Properties of Metal Single Atoms for Electromagnetic Wave Absorption. <i>Nano-Micro Letters</i> , 2021 , 14, 27	19.5	15
186	Synthesis of Pd Sn and PdCuSn Nanorods with L1 Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. <i>Advanced Materials</i> , 2021 , e2106115	24	17
185	Conductive CuCo-Based Bimetal Organic Framework for Efficient Hydrogen Evolution. <i>Advanced Materials</i> , 2021 , 33, e2106781	24	21
184	Direct and continuous generation of pure acetic acid solutions via electrocatalytic carbon monoxide reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	24
183	Metastable ECsPbI ₃ Perovskite Nanocrystals Created Using Aged Orthorhombic CsPbBr ₃ . <i>Journal of Physical Chemistry C</i> , 2021 , 125, 7109-7118	3.8	4
182	A High-Resolution Ternary Model Demonstrates How PEGylated 2D Nanomaterial Stimulates Integrin α 5 β 1 Cell Membrane. <i>Advanced Science</i> , 2021 , 8, e2004506	13.6	3
181	Bifunctional Nitrogen-Doped Carbon Dots in g-CN/WO Heterojunction for Enhanced Photocatalytic Water-Splitting Performance. <i>Langmuir</i> , 2021 , 37, 4236-4247	4	9
180	CsPbX ₃ Quantum Dots Embedded in Zeolitic Imidazolate Framework-8 Microparticles for Bright White Light-Emitting Devices. <i>ACS Applied Nano Materials</i> , 2021 , 4, 5478-5485	5.6	20
179	Design of Refueling Control System with Multi-ControlTerminal Based on Network. <i>Electronics (Switzerland)</i> , 2021 , 10, 1559	2.6	1
178	General Synthesis of Ordered Mesoporous Carbonaceous Hybrid Nanostructures with Molecularly Dispersed Polyoxometallates. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15556-15562	16.4	2
177	Mn:CsPbBr ₃ Nanoplatelets for Bright White-Emitting Displays. <i>ACS Applied Nano Materials</i> , 2021 , 4, 6223-6230	15	15
176	General synthesis of single-atom catalysts with high metal loading using graphene quantum dots. <i>Nature Chemistry</i> , 2021 , 13, 887-894	17.6	86
175	MoSSe Nanosheets Grown on Hollow Carbon Spheres for Enhanced Electrochemical Activity. <i>Langmuir</i> , 2021 , 37, 8314-8322	4	4

174	Nitrogen and Phosphate Co-doped Graphene as Efficient Bifunctional Electrocatalysts by Precursor Modulation Strategy for Oxygen Reduction and Evolution Reactions. <i>ChemElectroChem</i> , 2021 , 8, 3262-3272	4.3	2
173	General Synthesis of Ordered Mesoporous Carbonaceous Hybrid Nanostructures with Molecularly Dispersed Polyoxometallates. <i>Angewandte Chemie</i> , 2021 , 133, 15684-15690	3.6	
172	Thickness-independent scalable high-performance Li-S batteries with high areal sulfur loading via electron-enriched carbon framework. <i>Nature Communications</i> , 2021 , 12, 4519	17.4	29
171	Hierarchically 3D bifunctional catalysts assembled with 1D MoC core/branched N-doped CNT arrays for zinc-air batteries. <i>Electrochimica Acta</i> , 2021 , 367, 137522	6.7	4
170	Horizontally growth of WS ₂ /WO ₃ heterostructures on crystalline g-C ₃ N ₄ nanosheets towards enhanced photo/electrochemical performance. <i>Journal of Nanostructure in Chemistry</i> , 2021 , 11, 367-380	7.6	6
169	Transition metal halide derived phase transition from Cs ₄ PbCl ₆ to CsPb _x M _{1-x} X ₃ for bright white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5732-5739	7.1	9
168	The edge-epitaxial growth of yellow g-CN on red g-CN nanosheets with superior photocatalytic activities. <i>Chemical Communications</i> , 2021 , 57, 3119-3122	5.8	15
167	Controlling the growth of a SiO coating on hydrophobic CsPbBr nanocrystals towards aqueous transfer and high luminescence. <i>Nanoscale</i> , 2021 , 13, 3860-3867	7.7	13
166	Pt nanoparticles embedded spine-like g-CN nanostructures with superior photocatalytic activity for H generation and CO reduction. <i>Nanotechnology</i> , 2021 , 32, 175401	3.4	9
165	Simulation of nanoparticles interacting with a cell membrane: probing the structural basis and potential biomedical application. <i>NPG Asia Materials</i> , 2021 , 13,	10.3	7
164	Lightweight, Fire-Retardant, and Anti-Compressed Honeycombed-Like Carbon Aerogels for Thermal Management and High-Efficiency Electromagnetic Absorbing Properties. <i>Small</i> , 2021 , 17, e2102032	11.1	43
163	Electrochemical Lithium Storage Performance of Molten Salt Derived VS _n C MAX Phase. <i>Nano-Micro Letters</i> , 2021 , 13, 158	19.5	4
162	Transition metals decorated g-C ₃ N ₄ /N-doped carbon nanotube catalysts for water splitting: A review. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 895, 115510	4.1	12
161	Near-room temperature ferromagnetic behavior of single-atom-thick 2D iron in nanolaminated ternary MAX phases. <i>Applied Physics Reviews</i> , 2021 , 8, 031418	17.3	2
160	Hepatic differentiation of human embryonic stem cells by coupling substrate stiffness and microtopography. <i>Biomaterials Science</i> , 2021 , 9, 3776-3790	7.4	1
159	Regulation of Morphology and Electronic Structure of FeCoNi Layered Double Hydroxides for Highly Active and Stable Water Oxidization Catalysts. <i>Advanced Energy Materials</i> , 2021 , 11, 2102141	21.8	13
158	MoS@C nanosphere as near infrared / pH dual response platform for chemical photothermal combination treatment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 192, 111054	6	6
157	A two-step gas/liquid strategy for the production of N-doped defect-rich transition metal dichalcogenide nanosheets and their antibacterial applications. <i>Nanoscale</i> , 2020 , 12, 8415-8424	7.7	18

156	Phase engineering of nanomaterials. <i>Nature Reviews Chemistry</i> , 2020 , 4, 243-256	34.6	198
155	Intramolecular Hydrogen Bonding-Based Topology Regulation of Two-Dimensional Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13162-13169	16.4	29
154	Liquid-Phase Exfoliation and Functionalization of MoS Nanosheets for Effective Antibacterial Application. <i>ChemBioChem</i> , 2020 , 21, 2373-2380	3.8	11
153	Hierarchical nanoarchitected hybrid electrodes based on ultrathin MoSe ₂ nanosheets on 3D ordered macroporous carbon frameworks for high-performance sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 2843-2850	13	31
152	High-performance room-temperature sodium-sulfur battery enabled by electrocatalytic sodium polysulfides full conversion. <i>Energy and Environmental Science</i> , 2020 , 13, 562-570	35.4	98
151	A mini review on two-dimensional nanomaterial assembly. <i>Nano Research</i> , 2020 , 13, 1179-1190	10	21
150	Insights into Practical-Scale Electrochemical H ₂ O ₂ Synthesis. <i>Trends in Chemistry</i> , 2020 , 2, 942-953	14.8	34
149	Mechanically Regulated Outside-In Activation of an I-Domain-Containing Integrin. <i>Biophysical Journal</i> , 2020 , 119, 966-977	2.9	0
148	Vaccine Platforms: Biosynthesis of Self-Assembled Proteinaceous Nanoparticles for Vaccination (Adv. Mater. 42/2020). <i>Advanced Materials</i> , 2020 , 32, 2070313	24	
147	Phase-Selective Epitaxial Growth of Heterophase Nanostructures on Unconventional 2H-Pd Nanoparticles. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18971-18980	16.4	53
146	Visible-Light-Induced Dearomatization via [2+2] Cycloaddition or 1,5-Hydrogen Atom Transfer: Divergent Reaction Pathways of Transient Diradicals. <i>ACS Catalysis</i> , 2020 , 10, 12618-12626	13.1	19
145	Photo-chemical property evolution of superior thin g-C ₃ N ₄ nanosheets with their crystallinity and Pt deposition. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 21523-21531	6.7	15
144	A high-efficiency noble metal-free electrocatalyst of cobalt-iron layer double hydroxides nanorods coupled with graphene oxides grown on a nickel foam towards methanol electrooxidation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 112, 212-221	5.3	11
143	Controlling Mn Emission in CsPbCl ₃ Nanocrystals via Ion Exchange toward Enhanced and Tunable White Photoluminescence. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 27032-27039	3.8	16
142	Molecular engineering of dispersed nickel phthalocyanines on carbon nanotubes for selective CO ₂ reduction. <i>Nature Energy</i> , 2020 , 5, 684-692	62.3	151
141	Vertically aligned MoS ₂ nanosheets on N-doped carbon nanotubes with NiFe alloy for overall water splitting. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3578-3587	6.8	16
140	Self-supported N-doped CNT arrays for flexible Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18162-18172	13	37
139	Biosynthesis of Self-Assembled Proteinaceous Nanoparticles for Vaccination. <i>Advanced Materials</i> , 2020 , 32, e2002940	24	18

138	Fusiform-Shaped g-C N Capsules with Superior Photocatalytic Activity. <i>Small</i> , 2020 , 16, e2003910	11	19
137	Confined Synthesis of 2D Nanostructured Materials toward Electrocatalysis. <i>Advanced Energy Materials</i> , 2020 , 10, 1900486	21.8	70
136	Ultra-thin metal-organic framework nanoribbons. <i>National Science Review</i> , 2020 , 7, 46-52	10.8	18
135	Selective Epitaxial Growth of Oriented Hierarchical Metal-Organic Framework Heterostructures. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8953-8961	16.4	40
134	Size-Dependent Phase Transformation of Noble Metal Nanomaterials. <i>Small</i> , 2019 , 15, e1903253	11	7
133	Metal organic framework-derived three-dimensional graphene-supported nitrogen-doped carbon nanotube spheres for electromagnetic wave absorption with ultralow filler mass loading. <i>Carbon</i> , 2019 , 155, 233-242	10.4	79
132	Three dimensional graphene-supported nitrogen-doped carbon nanotube architectures for attenuation of electromagnetic energy. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 11868-11878	7.1	36
131	The design of a novel and resistant Zn(PZDC)(ATZ) MOF catalyst for the chemical fixation of CO ₂ under solvent-free conditions. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 317-325	6.8	32
130	Construction of 2D g-CN lateral-like homostructures and their photo- and electro-catalytic activities. <i>Chemical Communications</i> , 2019 , 55, 1233-1236	5.8	36
129	Engineering a High-Energy-Density and Long Lifespan Aqueous Zinc Battery via Ammonium Vanadium Bronze. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20796-20803	9.5	51
128	Co ₃ [Fe(CN) ₆] ₂ nanocube derived architecture of Co,Fe co-doped MoS ₂ nanosheets for efficient water electrolysis. <i>Electrochimica Acta</i> , 2019 , 309, 116-124	6.7	18
127	Ni/Ni ₃ C core-shell nanoparticles encapsulated in N-doped bamboo-like carbon nanotubes towards efficient overall water splitting. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1073-1080	6.8	24
126	Cell Membrane Camouflaged Hydrophobic Drug Nanoflake Sandwiched with Photosensitizer for Orchestration of Chemo-Photothermal Combination Therapy. <i>Small</i> , 2019 , 15, e1805544	11	22
125	A simple electrochemical method for conversion of Pt wires to Pt concave icosahedra and nanocubes on carbon paper for electrocatalytic hydrogen evolution. <i>Science China Materials</i> , 2019 , 62, 115-121	7.1	15
124	General Synthetic Strategy for Pomegranate-like Transition-Metal Carbon Nanostructures with High Lithium Storage Capacity 2019 , 1, 265-271		20
123	Synthesis and Supramolecular Assembly of a Terrylene Diimide Derivative Decorated With Long Branched Alkyl Chains. <i>Frontiers in Chemistry</i> , 2019 , 7, 473	5	3
122	Formation of g-C ₃ N ₄ Nanotubes towards Superior Photocatalysis Performance. <i>ChemCatChem</i> , 2019 , 11, 4558-4567	5.2	40
121	Solvent-Induced Supramolecular Assembly of a Peptide-Tetrathiophene-Peptide Conjugate. <i>Frontiers in Chemistry</i> , 2019 , 7, 467	5	4

120	Effects of defects on the electronic and optical properties of TiO ₂ nanosheet. <i>Electronic Structure</i> , 2019 , 1, 044002	2.6	3
119	Promoting Transport Kinetics in Li-Ion Battery with Aligned Porous Electrode Architectures. <i>Nano Letters</i> , 2019 , 19, 8255-8261	11.5	62
118	Chemically Binding Scaffolded Anodes with 3D Graphene Architectures Realizing Fast and Stable Lithium Storage. <i>Research</i> , 2019 , 2019, 8393085	7.8	19
117	Exonuclease III-Regulated Target Cyclic Amplification-Based Single Nucleotide Polymorphism Detection Using Ultrathin Ternary Chalcogenide Nanosheets. <i>Frontiers in Chemistry</i> , 2019 , 7, 844	5	2
116	Efficient bifunctional vanadium-doped Ni ₃ S ₂ nanorod array for overall water splitting. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 443-450	6.8	39
115	Synthesis of MoX ₂ (X = Se or S) monolayers with high-concentration 1T' phase on 4H/fcc-Au nanorods for hydrogen evolution. <i>Nano Research</i> , 2019 , 12, 1301-1305	10	28
114	Novel structured transition metal dichalcogenide nanosheets. <i>Chemical Society Reviews</i> , 2018 , 47, 3301-3338	33.8	207
113	Double-Network Nanostructured Hydrogel-Derived Ultrafine Sn-Fe Alloy in Three-Dimensional Carbon Framework for Enhanced Lithium Storage. <i>Nano Letters</i> , 2018 , 18, 3193-3198	11.5	90
112	Structural Engineering of 2D Nanomaterials for Energy Storage and Catalysis. <i>Advanced Materials</i> , 2018 , 30, e1706347	24	224
111	In Situ Grown Epitaxial Heterojunction Exhibits High-Performance Electrocatalytic Water Splitting. <i>Advanced Materials</i> , 2018 , 30, e1705516	24	273
110	Peroxidase-like activity of MoS nanoflakes with different modifications and their application for HO and glucose detection. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 487-498	7.3	103
109	Organic-Dye-Modified Upconversion Nanoparticle as a Multichannel Probe To Detect Cu in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1028-1032	9.5	41
108	Hybrid of Fe ₄ [Fe(CN) ₆] ₃ nanocubes and MoS ₂ nanosheets on nitrogen-doped graphene realizing improved electrochemical hydrogen production. <i>Electrochimica Acta</i> , 2018 , 263, 140-146	6.7	35
107	Preparation of High-Percentage 1T-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018 , 30, 1705509	24	234
106	An anion-driven Sn ²⁺ exchange reaction in CsPbBr ₃ nanocrystals towards tunable and high photoluminescence. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 5506-5513	7.1	68
105	Dual Tuning of Ni-Co-A (A = P, Se, O) Nanosheets by Anion Substitution and Holey Engineering for Efficient Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5241-5247	16.4	347
104	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. <i>Nature Chemistry</i> , 2018 , 10, 456-461	17.6	160
103	CoMoS _{3.13} nanosheets grafted on B, N co-doped graphene nanotubes as bifunctional catalyst for efficient water electrolysis. <i>Journal of Alloys and Compounds</i> , 2018 , 731, 403-410	5.7	17

102	Dreidimensionale Architekturen aus Bergangsmetall-Dichalkogenid-Nanomaterialien zur elektrochemischen Energiespeicherung und -umwandlung. <i>Angewandte Chemie</i> , 2018 , 130, 634-655	3.6	33
101	Three-Dimensional Architectures Constructed from Transition-Metal Dichalcogenide Nanomaterials for Electrochemical Energy Storage and Conversion. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 626-646	16.4	305
100	Amorphous Porous Organic Polymers Based on Schiff-Base Chemistry for Highly Efficient Iodine Capture. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 2046	4.5	48
99	Growth of CoFe ₂ O ₄ hollow nanoparticles on graphene sheets for high-performance electromagnetic wave absorbers. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12781-12787	7.1	53
98	Ultrastable g-CN assemblies with high quantum yield and reversible photoluminescence. <i>Chemical Communications</i> , 2018 , 54, 13519-13522	5.8	26
97	Probing enhanced lithium-ion transport kinetics in 2D holey nanoarchitected electrodes. <i>Nano Futures</i> , 2018 , 2, 035008	3.6	12
96	Evolution of Morphology, Phase Composition, and Photoluminescence of Cesium Lead Bromine Nanocrystals with Temperature and Precursors. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 28968-28976	3.8	27
95	Hierarchical flower-like NiCo layered double hydroxide nanostructures: synthesis and super performance. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 3033-3041	6.8	32
94	Mechanical determination of particle-cell interactions and the associated biomedical applications. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 7129-7143	7.3	6
93	Lithiation-induced amorphization of Pd ₃ Pt ₂ S ₈ for highly efficient hydrogen evolution. <i>Nature Catalysis</i> , 2018 , 1, 460-468	36.5	153
92	A High-Rate and Stable Quasi-Solid-State Zinc-Ion Battery with Novel 2D Layered Zinc Orthovanadate Array. <i>Advanced Materials</i> , 2018 , 30, e1803181	24	389
91	In Situ Growth of NiFe Alloy Nanoparticles Embedded into N-Doped Bamboo-like Carbon Nanotubes as a Bifunctional Electrocatalyst for Zn-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26178-26187	9.5	66
90	Enhanced hydrogen evolution of MoS ₂ /RGO: vanadium, nitrogen dopants triggered new active sites and expanded interlayer. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2092-2099	6.8	26
89	Investigation of Thermally Induced Cellular Ablation and Heat Response Triggered by Planar MoS ₂ -Based Nanocomposite. <i>Bioconjugate Chemistry</i> , 2017 , 28, 1059-1067	6.3	25
88	Preparation of Ultrathin Two-Dimensional Ti Ta S O Nanosheets as Highly Efficient Photothermal Agents. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7842-7846	16.4	50
87	Preparation of Ultrathin Two-Dimensional Ti _x Ta _{1-x} SyO _z Nanosheets as Highly Efficient Photothermal Agents. <i>Angewandte Chemie</i> , 2017 , 129, 7950-7954	3.6	10
86	Shell-core MoS ₂ nanosheets@Fe ₃ O ₄ sphere heterostructure with exposed active edges for efficient electrocatalytic hydrogen production. <i>Journal of Alloys and Compounds</i> , 2017 , 715, 53-59	5.7	32
85	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metal-Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. <i>Advanced Materials</i> , 2017 , 29, 1700102	24	283

84	Enhancing the sensing specificity of a MoS nanosheet-based FRET aptasensor using a surface blocking strategy. <i>Analyst, The</i> , 2017 , 142, 2570-2577	5	22
83	Electric field effect in multilayer Cr ₂ Ge ₂ Te ₆ : a ferromagnetic 2D material. <i>2D Materials</i> , 2017 , 4, 024009	99	126
82	Composition- and phase-controlled synthesis and applications of alloyed phase heterostructures of transition metal disulfides. <i>Nanoscale</i> , 2017 , 9, 5102-5109	7.7	49
81	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. <i>Chemical Reviews</i> , 2017 , 117, 6225-6331	68.1	2919
80	Low-temperature hydrogen production from water and methanol using Pt/EMoC catalysts. <i>Nature</i> , 2017 , 544, 80-83	50.4	748
79	NiMoS ₃ Nanorods as pH-Tolerant Electrocatalyst for Efficient Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9006-9013	8.3	38
78	Recent Progress in the Preparation, Assembly, Transformation, and Applications of Layer-Structured Nanodisks beyond Graphene. <i>Advanced Materials</i> , 2017 , 29, 1701704	24	47
77	Synthesis of WOn-WX ₂ (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2017 , 129, 10622-10626	3.6	7
76	Synthesis of WO _n -WX ₂ (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10486-10490	16.4	20
75	General Facet-Controlled Synthesis of Single-Crystalline {010}-Oriented LiMPO ₄ (M = Mn, Fe, Co) Nanosheets. <i>Chemistry of Materials</i> , 2017 , 29, 10526-10533	9.6	21
74	Two-dimensional transition metal dichalcogenide nanomaterials for biosensing applications. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 24-36	7.8	130
73	Epidermal Supercapacitor with High Performance. <i>Advanced Functional Materials</i> , 2016 , 26, 8178-8184	15.6	45
72	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. <i>Small</i> , 2016 , 12, 4669-74	11	88
71	Solution-Processed Two-Dimensional Metal Dichalcogenide-Based Nanomaterials for Energy Storage and Conversion. <i>Advanced Materials</i> , 2016 , 28, 6167-96	24	372
70	Effect of lake surface temperature on the summer precipitation over the Tibetan Plateau. <i>Journal of Mountain Science</i> , 2016 , 13, 802-810	2.1	3
69	Doping MoS ₂ with Graphene Quantum Dots: Structural and Electrical Engineering towards Enhanced Electrochemical Hydrogen Evolution. <i>Electrochimica Acta</i> , 2016 , 211, 603-610	6.7	55
68	Response of Xiao Dongkemadi Glacier in the central Tibetan Plateau to the current climate change and future scenarios by 2050. <i>Journal of Mountain Science</i> , 2016 , 13, 13-28	2.1	14
67	Mussel-inspired one-pot synthesis of transition metal and nitrogen co-doped carbon (M/N-C) as efficient oxygen catalysts for Zn-air batteries. <i>Nanoscale</i> , 2016 , 8, 5067-75	7.7	89

66	Boosting the lithium storage performance of MoS ₂ with graphene quantum dots. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 4783-4789	13	81
65	Thiazole derivative-modified upconversion nanoparticles for Hg(2+) detection in living cells. <i>Nanoscale</i> , 2016 , 8, 276-82	7.7	69
64	Self-Assembly of Two-Dimensional Nanosheets into One-Dimensional Nanostructures. <i>Chem</i> , 2016 , 1, 59-77	16.2	67
63	Weavable, High-Performance, Solid-State Supercapacitors Based on Hybrid Fibers Made of Sandwiched Structure of MWCNT/rGO/MWCNT. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600102	6.4	35
62	Lösungsprozessierte MoS ₂ -Nanoplättchen: Herstellung, Hybridisierung und Anwendungen. <i>Angewandte Chemie</i> , 2016 , 128, 8960-8984	3.6	51
61	Preparation of Single-Layer MoS(2x)Se2(1-x) and Mo(x)W(1-x)S2 Nanosheets with High-Concentration Metallic 1T Phase. <i>Small</i> , 2016 , 12, 1866-74	11	91
60	Co@Co ₃ O ₄ @PPD Core@shell Nanoparticle-Based Composite as an Efficient Electrocatalyst for Oxygen Reduction Reaction. <i>Small</i> , 2016 , 12, 2580-7	11	79
59	Solution-Processed Two-Dimensional MoS ₂ Nanosheets: Preparation, Hybridization, and Applications. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8816-38	16.4	447
58	Synthesis of Two-Dimensional CoS _{1.097} /Nitrogen-Doped Carbon Nanocomposites Using Metal-Organic Framework Nanosheets as Precursors for Supercapacitor Application. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6924-7	16.4	485
57	A 2.0 V capacitive device derived from shape-preserved metal nitride nanorods. <i>Nano Energy</i> , 2016 , 26, 1-6	17.1	23
56	Preparation of Cobalt Sulfide Nanoparticle-Decorated Nitrogen and Sulfur Co-Doped Reduced Graphene Oxide Aerogel Used as a Highly Efficient Electrocatalyst for Oxygen Reduction Reaction. <i>Small</i> , 2016 , 12, 5920-5926	11	61
55	Highly Sensitive and Selective Aptamer-Based Fluorescence Detection of a Malarial Biomarker Using Single-Layer MoS ₂ Nanosheets. <i>ACS Sensors</i> , 2016 , 1, 1315-1321	9.2	52
54	Core-shell carbon materials derived from metal-organic frameworks as an efficient oxygen bifunctional electrocatalyst. <i>Nano Energy</i> , 2016 , 30, 368-378	17.1	196
53	One-Pot Synthesis of Highly Anisotropic Five-Fold-Twinned PtCu Nanoframes Used as a Bifunctional Electrocatalyst for Oxygen Reduction and Methanol Oxidation. <i>Advanced Materials</i> , 2016 , 28, 8712-8717	24	275
52	Iridium-Catalyzed Asymmetric Allylic Amination Reactions with N-Aryl Phosphoramidite Ligands. <i>Organometallics</i> , 2016 , 35, 2467-2472	3.8	23
51	AuAg nanosheets assembled from ultrathin AuAg nanowires. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1444-7	16.4	61
50	Hybrid fibers made of molybdenum disulfide, reduced graphene oxide, and multi-walled carbon nanotubes for solid-state, flexible, asymmetric supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4651-6	16.4	310
49	A facile and universal top-down method for preparation of monodisperse transition-metal dichalcogenide nanodots. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5425-8	16.4	156

48	A cyanine-modified upconversion nanoprobe for NIR-excited imaging of endogenous hydrogen peroxide signaling in vivo. <i>Biomaterials</i> , 2015 , 54, 34-43	15.6	60
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46	Single-layer transition metal dichalcogenide nanosheet-based nanosensors for rapid, sensitive, and multiplexed detection of DNA. <i>Advanced Materials</i> , 2015 , 27, 935-9	24	275
45	TPGS-stabilized NaYbF ₄ :Er upconversion nanoparticles for dual-modal fluorescent/CT imaging and anticancer drug delivery to overcome multi-drug resistance. <i>Biomaterials</i> , 2015 , 40, 107-16	15.6	157
44	All Metal Nitrides Solid-State Asymmetric Supercapacitors. <i>Advanced Materials</i> , 2015 , 27, 4566-71	24	313
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41	Self-template synthesis of CoFe ₂ O ₄ nanotubes for high-performance lithium storage. <i>RSC Advances</i> , 2015 , 5, 29837-29841	3.7	21
40	Impact of the North Atlantic Oscillation on the Dipole Oscillation of summer precipitation over the central and eastern Tibetan Plateau. <i>International Journal of Climatology</i> , 2015 , 35, 4539-4546	3.5	32
39	Smart MoS ₂ /Fe ₃ O ₄ Nanotheranostic for Magnetically Targeted Photothermal Therapy Guided by Magnetic Resonance/Photoacoustic Imaging. <i>Theranostics</i> , 2015 , 5, 931-45	12.1	196
38	Fast and large lithium storages from CoMoO ₄ nanorods-graphene composite. <i>Ionics</i> , 2015 , 21, 2993-2999	2.7	20
37	Hybrid Fibers Made of Molybdenum Disulfide, Reduced Graphene Oxide, and Multi-Walled Carbon Nanotubes for Solid-State, Flexible, Asymmetric Supercapacitors. <i>Angewandte Chemie</i> , 2015 , 127, 4734-4739	2.6	85
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35	Black phosphorus quantum dots. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3653-7	16.4	491
34	Conductive graphene fibers for wire-shaped supercapacitors strengthened by unfunctionalized few-walled carbon nanotubes. <i>ACS Nano</i> , 2015 , 9, 1352-9	16.7	172
33	Triangular Ag-Pd alloy nanoprisms: rational synthesis with high-efficiency for electrocatalytic oxygen reduction. <i>Nanoscale</i> , 2014 , 6, 11738-43	7.7	35
32	Preparation of MoS ₂ /MoO ₃ Hybrid Nanomaterials for Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2014 , 126, 12768-12773	3.6	30
31	Coating two-dimensional nanomaterials with metal-organic frameworks. <i>ACS Nano</i> , 2014 , 8, 8695-701	16.7	141

30	Fabrication of ultralong hybrid microfibers from nanosheets of reduced graphene oxide and transition-metal dichalcogenides and their application as supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12576-80	16.4	54
29	Liquid-phase growth of platinum nanoparticles on molybdenum trioxide nanosheets: an enhanced catalyst with intrinsic peroxidase-like catalytic activity. <i>Nanoscale</i> , 2014 , 6, 12340-4	7.7	76
28	High-throughput synthesis of single-layer MoS ₂ nanosheets as a near-infrared photothermal-triggered drug delivery for effective cancer therapy. <i>ACS Nano</i> , 2014 , 8, 6922-33	16.7	704
27	One-pot template-free synthesis of NaYF ₄ upconversion hollow nanospheres for bioimaging and drug delivery. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 1655-62	4.5	16
26	Research on UV Flame Detector 2014 ,		2
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23	Electrospun upconversion composite fibers as dual drugs delivery system with individual release properties. <i>Langmuir</i> , 2013 , 29, 9473-82	4	72
22	Multifunctional Up-Converting Nanocomposites with Smart Polymer Brushes Gated Mesopores for Cell Imaging and Thermo/pH Dual-Responsive Drug Controlled Release. <i>Advanced Functional Materials</i> , 2013 , 23, 4067-4078	15.6	183
21	Multifunctional NaYF ₄ :Yb/Er/Gd nanocrystal decorated SiO ₂ nanotubes for anti-cancer drug delivery and dual modal imaging. <i>RSC Advances</i> , 2013 , 3, 8517	3.7	16
20	Poly(acrylic acid) modified lanthanide-doped GdVO ₄ hollow spheres for up-conversion cell imaging, MRI and pH-dependent drug release. <i>Nanoscale</i> , 2013 , 5, 253-61	7.7	88
19	Platinum (IV) pro-drug conjugated NaYF ₄ :Yb(3+)/Er(3+) nanoparticles for targeted drug delivery and up-conversion cell imaging. <i>Advanced Healthcare Materials</i> , 2013 , 2, 562-7	10.1	39
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17	Study on Doppler effects estimate in underwater acoustic communication 2013 ,		3
16	Up-conversion cell imaging and pH-induced thermally controlled drug release from NaYF ₄ /Yb ³⁺ /Er ³⁺ @hydrogel core-shell hybrid microspheres. <i>ACS Nano</i> , 2012 , 6, 3327-38	16.7	290
15	Drug Delivery: Up-Conversion Luminescent and Porous NaYF ₄ :Yb ³⁺ , Er ³⁺ @SiO ₂ Nanocomposite Fibers for Anti-Cancer Drug Delivery and Cell Imaging (Adv. Funct. Mater. 13/2012). <i>Advanced Functional Materials</i> , 2012 , 22, 2658-2658	15.6	
14	Hierarchical bundles structure of ErNaLuF ₄ : facile synthesis, shape evolution, and luminescent properties. <i>RSC Advances</i> , 2012 , 2, 10337	3.7	16
13	Morphology-controllable synthesis and enhanced luminescence properties of ErNaLuF ₄ :Ln (Ln = Eu, Tb and Ce/Tb) microcrystals by solvothermal process. <i>RSC Advances</i> , 2012 , 2, 7569	3.7	24

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