

# Peng Zhang

## List of Publications by Citations

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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.

260  
papers

10,833  
citations

56  
h-index

96  
g-index

273  
ext. papers

15,250  
ext. citations

9.3  
avg, IF

7.13  
L-index

#	Paper	IF	Citations
260	In situ assembly of well-dispersed Ag nanoparticles (AgNPs) on electrospun carbon nanofibers (CNFs) for catalytic reduction of 4-nitrophenol. <i>Nanoscale</i> , <b>2011</b> , 3, 3357-63	7.7	501
259	Tantalum-based semiconductors for solar water splitting. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 4395-422	58.5	360
258	High photocatalytic activity of ZnO-carbon nanofiber heteroarchitectures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 590-6	9.5	359
257	Hierarchical assembly of ultrathin hexagonal SnS <sub>2</sub> nanosheets onto electrospun TiO <sub>2</sub> nanofibers: enhanced photocatalytic activity based on photoinduced interfacial charge transfer. <i>Nanoscale</i> , <b>2013</b> , 5, 606-18	7.7	312
256	Highly dispersed Fe <sub>3</sub> O <sub>4</sub> nanosheets on one-dimensional carbon nanofibers: Synthesis, formation mechanism, and electrochemical performance as supercapacitor electrode materials. <i>Nanoscale</i> , <b>2011</b> , 3, 5034	7.7	276
255	Enhancement of the visible-light photocatalytic activity of In <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> nanofiber heteroarchitectures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 424-30	9.5	268
254	In situ assembly of well-dispersed gold nanoparticles on electrospun silica nanotubes for catalytic reduction of 4-nitrophenol. <i>Chemical Communications</i> , <b>2011</b> , 47, 3906-8	5.8	264
253	Tubular nanocomposite catalysts based on size-controlled and highly dispersed silver nanoparticles assembled on electrospun silica nanotubes for catalytic reduction of 4-nitrophenol. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 1387-1395		225
252	One-dimensional Bi <sub>2</sub> MoO <sub>6</sub> /TiO <sub>2</sub> hierarchical heterostructures with enhanced photocatalytic activity. <i>CrystEngComm</i> , <b>2012</b> , 14, 605-612	3.3	213
251	Nitrogen-doped biochar fiber with graphitization from <i>Boehmeria nivea</i> for promoted peroxymonosulfate activation and non-radical degradation pathways with enhancing electron transfer. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 269, 118850	21.8	208
250	Effective Charge Carrier Utilization in Photocatalytic Conversions. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 911-21	24.3	200
249	Hierarchical heterostructures of Bi <sub>2</sub> MoO <sub>6</sub> on carbon nanofibers: controllable solvothermal fabrication and enhanced visible photocatalytic properties. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 577-584		185
248	A review on 2D MoS <sub>2</sub> cocatalysts in photocatalytic H <sub>2</sub> production. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 56, 89-121	9.1	182
247	TiO <sub>2</sub> (2)@carbon core/shell nanofibers: controllable preparation and enhanced visible photocatalytic properties. <i>Nanoscale</i> , <b>2011</b> , 3, 2943-9	7.7	172
246	Facile Synthesis of Fe <sub>2</sub> O <sub>3</sub> Nano-Dots@Nitrogen-Doped Graphene for Supercapacitor Electrode with Ultralong Cycle Life in KOH Electrolyte. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 9335-44	9.5	165
245	Low-Temperature Reduction Strategy Synthesized Si/Ti <sub>3</sub> C <sub>2</sub> MXene Composite Anodes for High-Performance Li-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1901065	21.8	156
244	A review on properties of fresh and hardened geopolymer mortar. <i>Composites Part B: Engineering</i> , <b>2018</b> , 152, 79-95	10	154

243	Zeolite-Encaged Single-Atom Rhodium Catalysts: Highly-Efficient Hydrogen Generation and Shape-Selective Tandem Hydrogenation of Nitroarenes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18570-18576	16.4	152
242	Influence of the incorporation of recycled coarse aggregate on water absorption and chloride penetration into concrete. <i>Construction and Building Materials</i> , <b>2020</b> , 239, 117845	6.7	131
241	Nanostructured CdS for efficient photocatalytic H <sub>2</sub> evolution: A review. <i>Science China Materials</i> , <b>2020</b> , 63, 2153-2188	7.1	131
240	Core/shell nanofibers of TiO <sub>2</sub> @carbon embedded by Ag nanoparticles with enhanced visible photocatalytic activity. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 17746		129
239	Constructing low-cost Ni <sub>3</sub> C/twin-crystal Zn <sub>0.5</sub> Cd <sub>0.5</sub> S heterojunction/homojunction nanohybrids for efficient photocatalytic H <sub>2</sub> evolution. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 25-36	11.3	126
238	p-MoO <sub>3</sub> nanostructures/n-TiO <sub>2</sub> nanofiber heterojunctions: controlled fabrication and enhanced photocatalytic properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 9004-12	9.5	125
237	Bi <sub>2</sub> MoO <sub>6</sub> microtubes: Controlled fabrication by using electrospun polyacrylonitrile microfibers as template and their enhanced visible light photocatalytic activity. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 225-226, 155-63	12.8	123
236	Strongly coupled 2D-2D nanojunctions between P-doped Ni <sub>2</sub> S (Ni <sub>2</sub> SP) cocatalysts and CdS nanosheets for efficient photocatalytic H <sub>2</sub> evolution. <i>Chemical Engineering Journal</i> , <b>2020</b> , 390, 124496	14.7	115
235	A new heterojunction in photocatalysis: S-scheme heterojunction. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 667-669	11.3	115
234	Construction of solid-state Z-scheme carbon-modified TiO <sub>2</sub> /WO <sub>3</sub> nanofibers with enhanced photocatalytic hydrogen production. <i>Journal of Power Sources</i> , <b>2016</b> , 328, 28-36	8.9	104
233	In situ assembly of well-dispersed Au nanoparticles on TiO <sub>2</sub> /ZnO nanofibers: a three-way synergistic heterostructure with enhanced photocatalytic activity. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 237-238, 331-8	12.8	99
232	Heteroatom Dopants Promote Two-Electron O Reduction for Photocatalytic Production of H <sub>2</sub> on Polymeric Carbon Nitride. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 16209-16217	16.4	98
231	Properties of fresh and hardened fly ash/slag based geopolymers: A review. <i>Journal of Cleaner Production</i> , <b>2020</b> , 270, 122389	10.3	96
230	Template-oriented synthesis of monodispersed SnS <sub>2</sub> @SnO <sub>2</sub> hetero-nanoflowers for Cr(VI) photoreduction. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 192, 17-25	21.8	96
229	In-situ construction of metallic Ni <sub>3</sub> C@Ni core-shell cocatalysts over g-C <sub>3</sub> N <sub>4</sub> nanosheets for shell-thickness-dependent photocatalytic H <sub>2</sub> production. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 291, 120104	21.8	96
228	Hydrothermal synthesis of carbon-rich graphitic carbon nitride nanosheets for photoredox catalysis. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 3281-3284	13	92
227	One-dimensional hierarchical heterostructures of In <sub>2</sub> S <sub>3</sub> nanosheets on electrospun TiO <sub>2</sub> nanofibers with enhanced visible photocatalytic activity. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 260, 892-900	12.8	92
226	One-dimensional Z-scheme TiO <sub>2</sub> /WO <sub>3</sub> /Pt heterostructures for enhanced hydrogen generation. <i>Applied Surface Science</i> , <b>2017</b> , 391, 211-217	6.7	86

225	Plasmon enhancement on photocatalytic hydrogen production over the Z-scheme photosynthetic heterojunction system. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 210, 297-305	21.8	85
224	Subnanometer Bimetallic Platinum-Zinc Clusters in Zeolites for Propane Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19450-19459	16.4	85
223	Highly porous reticular tin-doped bismuth oxide composite thin film anodes for lithium ion batteries. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 8360		83
222	Facile fabrication of TaON/Bi <sub>2</sub> MoO <sub>6</sub> core-shell S-scheme heterojunction nanofibers for boosting visible-light catalytic levofloxacin degradation and Cr(VI) reduction. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 131158	14.7	83
221	Fabrication and engineering properties of concretes based on geopolymers/alkali-activated binders - A review. <i>Journal of Cleaner Production</i> , <b>2020</b> , 258, 120896	10.3	82
220	Mechanical properties and prediction of fracture parameters of geopolymer/alkali-activated mortar modified with PVA fiber and nano-SiO <sub>2</sub> . <i>Ceramics International</i> , <b>2020</b> , 46, 20027-20037	5.1	81
219	Recent Advances in Effective Reduction of Graphene Oxide for Highly Improved Performance Toward Electrochemical Energy Storage. <i>Energy and Environmental Materials</i> , <b>2018</b> , 1, 5-12	13	78
218	Constructing 2D layered MoS <sub>2</sub> nanosheets-modified Z-scheme TiO <sub>2</sub> /WO <sub>3</sub> nanofibers ternary nanojunction with enhanced photocatalytic activity. <i>Applied Surface Science</i> , <b>2018</b> , 430, 466-474	6.7	78
217	Bi <sub>2</sub> MoO <sub>6</sub> ultrathin nanosheets on ZnTiO <sub>3</sub> nanofibers: a 3D open hierarchical heterostructures synergistic system with enhanced visible-light-driven photocatalytic activity. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 217-218, 422-8	12.8	78
216	Carbon-modified BiVO <sub>4</sub> microtubes embedded with Ag nanoparticles have high photocatalytic activity under visible light. <i>Nanoscale</i> , <b>2012</b> , 4, 7501-8	7.7	75
215	Vertically aligned graphene nanosheets on multi-yolk/shell structured TiC@C nanofibers for stable LiB batteries. <i>Energy Storage Materials</i> , <b>2020</b> , 27, 159-168	19.4	73
214	Highly efficient decomposition of organic dye by aqueous-solid phase transfer and in situ photocatalysis using hierarchical copper phthalocyanine hollow spheres. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 2573-8	9.5	69
213	Efficient charge separation on 3D architectures of TiO <sub>2</sub> mesocrystals packed with a chemically exfoliated MoS <sub>2</sub> shell in synergetic hydrogen evolution. <i>Chemical Communications</i> , <b>2015</b> , 51, 7187-90	5.8	68
212	CuO/Cu <sub>2</sub> O nanofibers as electrode materials for non-enzymatic glucose sensors with improved sensitivity. <i>RSC Advances</i> , <b>2014</b> , 4, 31056	3.7	68
211	In <sub>2</sub> O <sub>3</sub> nanocubes/carbon nanofibers heterostructures with high visible light photocatalytic activity. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 1786-1793		66
210	An electron-rich free-standing carbon@Au core-shell nanofiber network as a highly active and recyclable catalyst for the reduction of 4-nitrophenol. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 10453-8	3.6	65
209	BiOCl nanosheets immobilized on electrospun polyacrylonitrile nanofibers with high photocatalytic activity and reusable property. <i>Applied Surface Science</i> , <b>2013</b> , 285, 509-516	6.7	61
208	Direct evidence of 2D/1D heterojunction enhancement on photocatalytic activity through assembling MoS <sub>2</sub> nanosheets onto super-long TiO <sub>2</sub> nanofibers. <i>Applied Surface Science</i> , <b>2020</b> , 504, 144367	6.7	60

207	Photogenerated Electron Transfer Process in Heterojunctions: In Situ Irradiation XPS. <i>Small Methods</i> , <b>2020</b> , 4, 2000214	12.8	59
206	Iron phthalocyanine/TiO <sub>2</sub> nanofiber heterostructures with enhanced visible photocatalytic activity assisted with H <sub>2</sub> O <sub>2</sub> . <i>Journal of Hazardous Materials</i> , <b>2012</b> , 219-220, 156-63	12.8	57
205	A flexible metallic TiC nanofiber/vertical graphene 1D/2D heterostructured as active electrocatalyst for advanced LiS batteries. <i>Information Materials</i> , <b>2021</b> , 3, 790-803	23.1	57
204	Theoretical design of solid electrolytes with superb ionic conductivity: alloying effect on Li <sup>+</sup> transportation in cubic Li <sub>6</sub> PA <sub>5</sub> X chalcogenides. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 21846-21857	13	55
203	In situ sulfur-doped graphene nanofiber network as efficient metal-free electrocatalyst for polysulfides redox reactions in lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 47, 281-290	12	55
202	In situ generation of well-dispersed ZnO quantum dots on electrospun silica nanotubes with high photocatalytic activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 785-90	9.5	54
201	Identification and characterization of a new stripe rust resistance gene Yr83 on rye chromosome 6R in wheat. <i>Theoretical and Applied Genetics</i> , <b>2020</b> , 133, 1095-1107	6	50
200	Dandelion-like Fe <sub>3</sub> O <sub>4</sub> @CuTNPc hierarchical nanostructures as a magnetically separable visible-light photocatalyst. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 12083		49
199	Human SNORA31 variations impair cortical neuron-intrinsic immunity to HSV-1 and underlie herpes simplex encephalitis. <i>Nature Medicine</i> , <b>2019</b> , 25, 1873-1884	50.5	49
198	From anti-perovskite to double anti-perovskite: tuning lattice chemistry to achieve super-fast Li <sup>+</sup> transport in cubic solid lithium halogen chalcogenides. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 73-83	13	49
197	Comparison of Mercury Intrusion Porosimetry and multi-scale X-ray CT on characterizing the microstructure of heat-treated cement mortar. <i>Materials Characterization</i> , <b>2020</b> , 160, 110085	3.9	46
196	Tracking S-Scheme Charge Transfer Pathways in Mo <sub>2</sub> C/CdS H <sub>2</sub> -Evolution Photocatalysts. <i>Solar Rrl</i> , <b>2021</b> , 5, 2100177	7.1	46
195	A review on heterogeneous photocatalysis for environmental remediation: From semiconductors to modification strategies. <i>Chinese Journal of Catalysis</i> , <b>2022</b> , 43, 178-214	11.3	45
194	Effective promotion of spacial charge separation in direct Z-scheme WO <sub>3</sub> /CdS/WS <sub>2</sub> tandem heterojunction with enhanced visible-light-driven photocatalytic H <sub>2</sub> evolution. <i>Chemical Engineering Journal</i> , <b>2020</b> , 398, 125602	14.7	43
193	. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 6279-6287	10.7	43
192	Simultaneous intensification of direct acetate cleavage and CO <sub>2</sub> reduction to generate methane by bioaugmentation and increased electron transfer. <i>Chemical Engineering Journal</i> , <b>2019</b> , 378, 122229	14.7	42
191	Effect of PVA fiber on mechanical properties of cementitious composite with and without nano-SiO <sub>2</sub> . <i>Construction and Building Materials</i> , <b>2019</b> , 229, 117068	6.7	42
190	MXenes: An Emerging Platform for Wearable Electronics and Looking Beyond. <i>Matter</i> , <b>2021</b> , 4, 377-407	12.7	40

189	Fabrication of Heterostructured Fe TiO <sub>2</sub> -TiO <sub>2</sub> Nanocages with Enhanced Photoelectrochemical Performance for Solar Energy Conversion. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 8128-8132	16.4	39
188	Controllable fabrication of cadmium phthalocyanine nanostructures immobilized on electrospun polyacrylonitrile nanofibers with high photocatalytic properties under visible light. <i>Catalysis Communications</i> , <b>2011</b> , 12, 880-885	3.2	39
187	Construction of a low-defect and highly conductive 3D graphene network to enable a high sulphur content cathode for high performance LiS/graphene batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 22555-22565	13	39
186	Carbon dots-fed <i>Shewanella oneidensis</i> MR-1 for bioelectricity enhancement. <i>Nature Communications</i> , <b>2020</b> , 11, 1379	17.4	38
185	Numerical modeling of rebar-matrix bond behaviors of nano-SiO <sub>2</sub> and PVA fiber reinforced geopolymer composites. <i>Ceramics International</i> , <b>2021</b> , 47, 11727-11737	5.1	38
184	Molecular Beam Epitaxy Scalable Growth of Wafer-Scale Continuous Semiconducting Monolayer MoTe on Inert Amorphous Dielectrics. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901578	24	37
183	RGO-functionalized polymer nanofibrous membrane with exceptional surface activity and ultra-low airflow resistance for PM2.5 filtration. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 1813-1820	7.1	37
182	Enhanced photocatalytic H <sub>2</sub> evolution based on a Ti <sub>3</sub> C <sub>2</sub> /Zn <sub>0.7</sub> Cd <sub>0.3</sub> S/Fe <sub>2</sub> O <sub>3</sub> Ohmic/S-scheme hybrid heterojunction with cascade 2D coupling interfaces. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132587	14.7	37
181	First Principle Material Genome Approach for All Solid-State Batteries. <i>Energy and Environmental Materials</i> , <b>2019</b> , 2, 234-250	13	36
180	Ti <sub>3</sub> C <sub>2</sub> MXene as an Energy band bridge to regulate the heterointerface mass transfer and electron reversible exchange process for LiS batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 25255-25267	13	36
179	Hydrothermal synthesis of BiVO <sub>4</sub> /TiO <sub>2</sub> composites and their application for degradation of gaseous benzene under visible light irradiation. <i>Applied Surface Science</i> , <b>2018</b> , 436, 319-326	6.7	33
178	Dual Evolution in Defect and Morphology of Single-Atom Dispersed Carbon Based Oxygen Electrocatalyst. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2010472	15.6	32
177	Three-dimensional Porous Networks of Ultra-long Electrospun SnO Nanotubes with High Photocatalytic Performance. <i>Nano-Micro Letters</i> , <b>2015</b> , 7, 86-95	19.5	31
176	Dual-Single-Atom Tailoring with Bifunctional Integration for High-Performance CO Photoreduction. <i>Advanced Materials</i> , <b>2021</b> , e2105135	24	31
175	Solvothermal synthesis and electrochemical properties of 3D flower-like iron phthalocyanine hierarchical nanostructure. <i>Nanoscale</i> , <b>2011</b> , 3, 5126	7.7	30
174	Multidimension-Controllable Synthesis of Ant Nest-Structural Electrode Materials with Unique 3D Hierarchical Porous Features toward Electrochemical Applications. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808994	15.6	28
173	Morphology-controlled synthesis of CeO <sub>2</sub> nanocrystals and their facet-dependent gas sensing properties. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 330, 129374	8.5	28
172	Strong interplay between dopant and SnO <sub>2</sub> in amorphous transparent (Sn, Nb)O <sub>2</sub> anode with high conductivity in electrochemical cycling. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 735, 2401-2409	5.7	28

171	Methane production by acetate dismutation stimulated by <i>Shewanella oneidensis</i> and carbon materials: An alternative to classical CO <sub>2</sub> reduction. <i>Chemical Engineering Journal</i> , <b>2020</b> , 389, 124469	14.7	27
170	One-step hydrothermal synthesis of S-defect-controlled ZnIn <sub>2</sub> S <sub>4</sub> microflowers with improved kinetics process of charge-carriers for photocatalytic H <sub>2</sub> evolution. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 58, 397-407	12	27
169	Enabling remarkable cycling performance of high-loading MoS <sub>2</sub> @Graphene anode for sodium ion batteries with tunable cut-off voltage. <i>Journal of Power Sources</i> , <b>2020</b> , 458, 228040	8.9	26
168	Multilevel polarization-fields enhanced capture and photocatalytic conversion of particulate matter over flexible schottky-junction nanofiber membranes. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 395, 122639	12.8	26
167	High-capacity cathodes for magnesium lithium chlorine tri-ion batteries through chloride intercalation in layered MoS <sub>2</sub> : a computational study. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 6830-6839	13	26
166	Aurora-A mediated phosphorylation of LDHB promotes glycolysis and tumor progression by relieving the substrate-inhibition effect. <i>Nature Communications</i> , <b>2019</b> , 10, 5566	17.4	26
165	Insights into electrochemical nitrogen reduction reaction mechanisms: Combined effect of single transition-metal and boron atom. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 58, 577-585	12	26
164	Magnetically recoverable hierarchical Pt/Fe <sub>2</sub> O <sub>3</sub> microflower: Superior catalytic activity and stability for reduction of 4-nitrophenol. <i>Catalysis Communications</i> , <b>2017</b> , 100, 214-218	3.2	25
163	Integration of 2D layered CdS/WO <sub>3</sub> S-scheme heterojunctions and metallic Ti <sub>3</sub> C <sub>2</sub> MXene-based Ohmic junctions for effective photocatalytic H <sub>2</sub> generation. <i>Chinese Journal of Catalysis</i> , <b>2022</b> , 43, 359-369	11.3	25
162	High boron removal polyamide reverse osmosis membranes by swelling induced embedding of a sulfonyl molecular plug. <i>Journal of Membrane Science</i> , <b>2020</b> , 597, 117716	9.6	24
161	FeO@TiO <sub>2</sub> -Laden Neutrophils Activate Innate Immunity via Photosensitive Reactive Oxygen Species Release. <i>Nano Letters</i> , <b>2020</b> , 20, 261-271	11.5	24
160	Capability of Fengyun-3D Satellite in Earth System Observation. <i>Journal of Meteorological Research</i> , <b>2019</b> , 33, 1113-1130	2.3	24
159	NIR enhanced peroxidase-like activity of Au@CeO <sub>2</sub> hybrid nanozyme by plasmon-induced hot electrons and photothermal effect for bacteria killing. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 295, 120317	21.8	24
158	Bonding behavior of concrete matrix and alkali-activated mortar incorporating nano-SiO <sub>2</sub> and polyvinyl alcohol fiber: Theoretical analysis and prediction model. <i>Ceramics International</i> , <b>2021</b> , 47, 31638-31643	5.1	24
157	Lithium-Sulfur Batteries Meet Electrospinning: Recent Advances and the Key Parameters for High Gravimetric and Volume Energy Density. <i>Advanced Science</i> , <b>2021</b> , e2103879	13.6	23
156	Constructing 1D/2D Schottky-Based Heterojunctions between Mn <sub>0.2</sub> Cd <sub>0.8</sub> S Nanorods and Ti <sub>3</sub> C <sub>2</sub> Nanosheets for Boosted Photocatalytic H <sub>2</sub> Evolution. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2020</b> , 2010059-0	3.8	23
155	Theoretical design of double anti-perovskite Na <sub>6</sub> SOI <sub>2</sub> as a super-fast ion conductor for solid Na <sup>+</sup> ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 19843-19852	13	23
154	Controllable synthesis of Zn <sub>2</sub> TiO <sub>4</sub> @carbon core/shell nanofibers with high photocatalytic performance. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 229-230, 265-72	12.8	22

153	MCS $\square$ Monte Carlo particle transport code for large-scale power reactor analysis. <i>Annals of Nuclear Energy</i> , <b>2020</b> , 139, 107276	1.7	22
152	Plant miRNA-lncRNA Interaction Prediction with the Ensemble of CNN and IndRNN. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , <b>2020</b> , 12, 82-89	3.5	22
151	LRRtMs Organize Synapses through Differential Engagement of Neurexin and PTP $\square$ <i>Neuron</i> , <b>2020</b> , 106, 108-125.e12	13.9	21
150	Combining tannic acid-modified support and a green co-solvent for high performance reverse osmosis membranes. <i>Journal of Membrane Science</i> , <b>2020</b> , 595, 117474	9.6	21
149	Graphene Oxide-Induced pH Alteration, Iron Overload, and Subsequent Oxidative Damage in Rice (L.): A New Mechanism of Nanomaterial Phytotoxicity. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 3181-3190	10.3	20
148	Direct evidence of multichannel-improved charge-carrier mechanism for enhanced photocatalytic H evolution. <i>Scientific Reports</i> , <b>2017</b> , 7, 16116	4.9	20
147	Dual Functional Monocytes Modulate Bactericidal and Anti-Inflammation Process for Severe Osteomyelitis Treatment. <i>Small</i> , <b>2020</b> , 16, e1905185	11	20
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11	Effect of Municipal Solid Waste Incineration Fly Ash on the Mechanical Properties and Microstructure of Geopolymer Concrete. <i>Gels</i> , <b>2022</b> , 8, 341	4.2	1
10	Effect of Municipal Solid Waste Incineration Ash on Microstructure and Hydration Mechanism of Geopolymer Composites. <i>Buildings</i> , <b>2022</b> , 12, 723	3.2	1

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