

Peng Zhang

List of Publications by Year in Descending Order

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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	Integration of 2D layered CdS/WO ₃ S-scheme heterojunctions and metallic Ti ₃ C ₂ MXene-based Ohmic junctions for effective photocatalytic H ₂ generation. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 359-369	11.3	25
259	Copper and platinum dual-single-atoms supported on crystalline graphitic carbon nitride for enhanced photocatalytic CO ₂ reduction. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 451-460	11.3	5
258	Tracking charge transfer pathways in SrTiO ₃ /CoP/Mo ₂ C nanofibers for enhanced photocatalytic solar fuel production. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 507-518	11.3	4
257	A review on heterogeneous photocatalysis for environmental remediation: From semiconductors to modification strategies. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 178-214	11.3	45
256	Shedding light on the energy applications of emerging 2D hybrid organic-inorganic halide perovskites.. <i>IScience</i> , 2022 , 25, 103753	6.1	2
255	Photo-assisted self-assembly synthesis of all 2D-layered heterojunction photocatalysts with long-range spatial separation of charge-carriers toward photocatalytic redox reactions. <i>Chemical Engineering Journal</i> , 2022 , 431, 134001	14.7	13
254	Photoinduced phase-transition on CuO electrospun nanofibers over the TiO ₂ photosensitizer for enhancing non-enzymatic glucose-sensing performance. <i>Journal of Alloys and Compounds</i> , 2022 , 900, 163409	5.7	2
253	Regulating interfacial morphology and charge-carrier utilization of Ti ₃ C ₂ modified all-sulfide CdS/ZnIn ₂ S ₄ S-scheme heterojunctions for effective photocatalytic H ₂ evolution. <i>Journal of Materials Science and Technology</i> , 2022 , 112, 85-95	9.1	8
252	Crystallographic orientation and morphology control of Sb ₂ Se ₃ to sensitize TiO ₂ nanotube arrays for enhanced photoelectrochemical performances. <i>Chemical Engineering Journal</i> , 2022 , 429, 132091	14.7	4
251	Enhanced photocatalytic H ₂ evolution based on a Ti ₃ C ₂ /Zn _{0.7} Cd _{0.3} S/Fe ₂ O ₃ Ohmic/S-scheme hybrid heterojunction with cascade 2D coupling interfaces. <i>Chemical Engineering Journal</i> , 2022 , 429, 132587	14.7	37
250	Facile fabrication of TaON/Bi ₂ MoO ₆ core-shell S-scheme heterojunction nanofibers for boosting visible-light catalytic levofloxacin degradation and Cr(VI) reduction. <i>Chemical Engineering Journal</i> , 2022 , 428, 131158	14.7	83
249	TiO nanostructures with different crystal phases for sensitive acetone gas sensors. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 357-366	9.3	19
248	Microwave awakening the n- π electronic transition in highly crystalline polymeric carbon nitride nanosheets for photocatalytic hydrogen generation. <i>Journal of Energy Chemistry</i> , 2022 , 65, 541-547	12	12
247	Mechanical properties and microstructure of nano-strengthened recycled aggregate concrete. <i>Nanotechnology Reviews</i> , 2022 , 11, 1499-1510	6.3	0
246	Comprehensive review of the properties of fly ash-based geopolymer with additive of nano-SiO ₂ . <i>Nanotechnology Reviews</i> , 2022 , 11, 1478-1498	6.3	6
245	Compressive strength and anti-chloride ion penetration assessment of geopolymer mortar merging PVA fiber and nano-SiO ₂ using RBFBP composite neural network. <i>Nanotechnology Reviews</i> , 2022 , 11, 1181-1192	6.3	5
244	In Situ Monitored (N, O)-Doping of Flexible Vertical Graphene Films with High-Flux Plasma Enhanced Chemical Vapor Deposition for Remarkable Metal-Free Redox Catalysis Essential to Alkaline Zinc-Air Batteries.. <i>Advanced Science</i> , 2022 , e2200614	13.6	4

243	Oxo dicopper anchored on carbon nitride for selective oxidation of methane.. <i>Nature Communications</i> , 2022 , 13, 1375	17.4	10
242	Influence of fibers on the mechanical properties and durability of ultra-high-performance concrete: A review. <i>Journal of Building Engineering</i> , 2022 , 52, 104370	5.2	4
241	Sulfur-doped g-C3N4/g-C3N4 isotype step-scheme heterojunction for photocatalytic H2 evolution. <i>Journal of Materials Science and Technology</i> , 2022 , 118, 15-24	9.1	5
240	ZnWO4-ZnIn2S4 S-scheme heterojunction for enhanced photocatalytic H2 evolution. <i>Journal of Materials Science and Technology</i> , 2022 , 122, 231-242	9.1	4
239	Rationally designed Ta3N5/BiOCl S-scheme heterojunction with oxygen vacancies for elimination of tetracycline antibiotic and Cr(VI): Performance, toxicity evaluation and mechanism insight. <i>Journal of Materials Science and Technology</i> , 2022 , 123, 177-190	9.1	15
238	Influence of SiO2 /Na2O molar ratio on mechanical properties and durability of metakaolin-fly ash blend alkali-activated sustainable mortar incorporating manufactured sand. <i>Journal of Materials Research and Technology</i> , 2022 , 18, 3553-3563	5.5	6
237	A review on the properties of concrete reinforced with recycled steel fiber from waste tires. <i>Reviews on Advanced Materials Science</i> , 2022 , 61, 276-291	4.8	0
236	Bond Performance of Steel Bar and Fly Ash-Based Geopolymer Concrete in Beam End Tests. <i>Polymers</i> , 2022 , 14, 2012	4.5	3
235	Charge transfer and orbital reconstruction of non-noble transition metal single-atoms anchored on Ti2CT-MXenes for highly selective CO2 electrochemical reduction. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 1906-1917	11.3	6
234	Effect of Municipal Solid Waste Incineration Fly Ash on the Mechanical Properties and Microstructure of Geopolymer Concrete. <i>Gels</i> , 2022 , 8, 341	4.2	1
233	Effect of Municipal Solid Waste Incineration Ash on Microstructure and Hydration Mechanism of Geopolymer Composites. <i>Buildings</i> , 2022 , 12, 723	3.2	1
232	Mechanical Properties of Nano-SiO2 Reinforced Geopolymer Concrete under the Coupling Effect of a WetThermal and Chloride Salt Environment. <i>Polymers</i> , 2022 , 14, 2298	4.5	0
231	Electrochemical Ammonia Synthesis via NO Reduction on 2D-MOF. <i>ChemPhysChem</i> , 2021 ,	3.2	3
230	Interfacial properties of geopolymer mortar and concrete substrate: Effect of polyvinyl alcohol fiber and nano-SiO2 contents. <i>Construction and Building Materials</i> , 2021 , 315, 125735	6.7	14
229	Lithium-Sulfur Batteries Meet Electrospinning: Recent Advances and the Key Parameters for High Gravimetric and Volume Energy Density. <i>Advanced Science</i> , 2021 , e2103879	13.6	23
228	A simple synthesis of magnetic metal implanted hierarchical porous carbon networks for efficient microwave absorption. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 14866-14875	7.1	2
227	Dual-Single-Atom Tailoring with Bifunctional Integration for High-Performance CO Photoreduction. <i>Advanced Materials</i> , 2021 , e2105135	24	31
226	Comprehensive Mechanism of CO Electroreduction on Non-Noble Metal Single-Atom Catalysts of Mo CS-MXene. <i>Chemistry - A European Journal</i> , 2021 ,	4.8	4

225	Template-Free Synthesis of One-Dimensional g-CN Chain Nanostructures for Efficient Photocatalytic Hydrogen Evolution. <i>Frontiers in Chemistry</i> , 2021 , 9, 652762	5	1
224	Morphology-controlled synthesis of CeO ₂ nanocrystals and their facet-dependent gas sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2021 , 330, 129374	8.5	28
223	Atomic-Scale Superlubricity in TiCO@MoS Layered Heterojunctions Interface: A First Principles Calculation Study. <i>ACS Omega</i> , 2021 , 6, 9013-9019	3.9	3
222	Highly Sensitive and Selective Gas Sensor Using Heteroatom Doping Graphdiyne: A DFT Study. <i>Advanced Electronic Materials</i> , 2021 , 7, 2001244	6.4	7
221	Numerical modeling of rebar-matrix bond behaviors of nano-SiO ₂ and PVA fiber reinforced geopolymer composites. <i>Ceramics International</i> , 2021 , 47, 11727-11737	5.1	38
220	In Situ Electrochemical Intercalation-Induced Phase Transition to Enhance Catalytic Performance for Lithium-Sulfur Battery. <i>Small</i> , 2021 , 17, e2100065	11	14
219	Tracking S-Scheme Charge Transfer Pathways in Mo ₂ C/CdS H ₂ -Evolution Photocatalysts. <i>Solar Rrl</i> , 2021 , 5, 2100177	7.1	46
218	Review Research Progress on Layered Transition Metal Oxide Cathode Materials for Sodium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 050524	3.9	16
217	A flexible metallic TiC nanofiber/vertical graphene 1D/2D heterostructured as active electrocatalyst for advanced LiS batteries. <i>Information Materials</i> , 2021 , 3, 790-803	23.1	57
216	Synthesis of a Visible-Light-Responsive Perovskite SmTiO _N Bifunctional Photocatalyst via an Evaporation-Assisted Layered-Precursor Strategy. <i>Advanced Materials</i> , 2021 , 33, e2101883	24	5
215	Computational screening study of double transition metal carbonitrides M ₂ M ₂ CNO ₂ -MXene as catalysts for hydrogen evolution reaction. <i>Npj Computational Materials</i> , 2021 , 7,	10.9	19
214	Constructing low-cost Ni ₃ C/twin-crystal Zn _{0.5} Cd _{0.5} S heterojunction/homojunction nanohybrids for efficient photocatalytic H ₂ evolution. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 25-36	11.3	126
213	Insights into electrochemical nitrogen reduction reaction mechanisms: Combined effect of single transition-metal and boron atom. <i>Journal of Energy Chemistry</i> , 2021 , 58, 577-585	12	26
212	Rational regulation on charge spatial separation and directional migration in the yolk-shell structural SiO ₂ /Ni ₂ P/rGO/Cd _{0.5} Zn _{0.5} S nanoreactor for efficient photocatalytic H ₂ evolution. <i>Chemical Engineering Journal</i> , 2021 , 404, 126497	14.7	12
211	Enhancement of Interfacial Charge Transportation Through Construction of 2D/2D p/n Heterojunctions in Hierarchical 3D CNFs/MoS ₂ /ZnIn ₂ S ₄ Composites to Enable High-Efficiency Photocatalytic Hydrogen Evolution. <i>Solar Rrl</i> , 2021 , 5, 2000722	7.1	10
210	A new heterojunction in photocatalysis: S-scheme heterojunction. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 667-669	11.3	115
209	Self-consistent assessment of Li ⁺ ion cathodes: Theory vs. experiments. <i>Journal of Energy Chemistry</i> , 2021 , 59, 229-241	12	6
208	g-C ₃ N ₄ encapsulated ZrO ₂ nanofibrous membrane decorated with CdS quantum dots: A hierarchically structured, self-supported electrocatalyst toward synergistic NH ₃ synthesis. <i>Nano Research</i> , 2021 , 14, 1479-1487	10	7

207	Ultrathin CeO ₂ nanosheets as bifunctional sensing materials for humidity and formaldehyde detection. <i>Rare Metals</i> , 2021 , 40, 1614-1621	5.5	18
206	One-step hydrothermal synthesis of S-defect-controlled ZnIn ₂ S ₄ microflowers with improved kinetics process of charge-carriers for photocatalytic H ₂ evolution. <i>Journal of Energy Chemistry</i> , 2021 , 58, 397-407	12	27
205	Uniform decoration of UiO-66-NH nanooctahedra on TiO electrospun nanofibers for enhancing photocatalytic H ₂ production based on multi-step interfacial charge transfer. <i>Dalton Transactions</i> , 2021 , 50, 6152-6160	4.3	4
204	Mechanical and fracture properties of steel fiber-reinforced geopolymer concrete. <i>Science and Engineering of Composite Materials</i> , 2021 , 28, 299-313	1.5	13
203	Electroconductive nanofibrous membranes with nanosheet-based microsphere-threaded heterostructures enabling oily wastewater remediation. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 15310-15320 ¹³	13	10
202	Dual Evolution in Defect and Morphology of Single-Atom Dispersed Carbon Based Oxygen Electrocatalyst. <i>Advanced Functional Materials</i> , 2021 , 31, 2010472	15.6	32
201	Bio-inspired construction of electrocatalyst decorated hierarchical porous carbon nanoreactors with enhanced mass transfer ability towards rapid polysulfide redox reactions. <i>Nano Research</i> , 2021 , 14, 3942	10	7
200	MXenes: An Emerging Platform for Wearable Electronics and Looking Beyond. <i>Matter</i> , 2021 , 4, 377-407	12.7	40
199	Tailoring Nanoporous-Engineered Sponge Fiber Molecular Sieves with Ternary-Nested Architecture for Precise Molecular Separation. <i>ACS Nano</i> , 2021 ,	16.7	4
198	Co-POM@MOF-derivatives with trace cobalt content for highly efficient oxygen reduction. <i>Chinese Chemical Letters</i> , 2021 , 33, 1047-1047	8.1	6
197	In-situ construction of metallic Ni ₃ C@Ni core-shell cocatalysts over g-C ₃ N ₄ nanosheets for shell-thickness-dependent photocatalytic H ₂ production. <i>Applied Catalysis B: Environmental</i> , 2021 , 291, 120104	21.8	96
196	Molecular Cage-Mediated Radial Gradient Porous Sponge Nanofiber for Selective Adsorption of a Mustard Gas Simulant. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 47835-47844	9.5	1
195	Controllable construction of hierarchically CdIn ₂ S ₄ /CNFs/Co ₄ S ₃ nanofiber networks towards photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021 , 419, 129213	14.7	15
194	Double Transition Metal Carbides MXenes (D-MXenes) as Promising Electrocatalysts for Hydrogen Reduction Reaction: Calculations. <i>ACS Omega</i> , 2021 , 6, 23676-23682	3.9	5
193	2D gallium molybdenum selenide grown on a hollow carbon nanofibrous aerogel for high-efficiency electroreduction of nitrogen: Optimized basal plane activity via selenium vacancy modulation. <i>Applied Catalysis B: Environmental</i> , 2021 , 292, 120175	21.8	5
192	Array-Structured Double-Ion Cooperative Adsorption Sites as Multifunctional Sulfur Hosts for Lithium-Sulfur Batteries with Low Electrolyte/Sulfur Ratio. <i>ACS Nano</i> , 2021 , 15, 16322-16334	16.7	2
191	NIR enhanced peroxidase-like activity of Au@CeO ₂ hybrid nanozyme by plasmon-induced hot electrons and photothermal effect for bacteria killing. <i>Applied Catalysis B: Environmental</i> , 2021 , 295, 120317	21.8	24
190	Fracture performance prediction of polyvinyl alcohol fiber-reinforced cementitious composites containing nano-SiO ₂ using least-squares support vector machine optimized with quantum-behaved particle swarm optimization algorithm. <i>Theoretical and Applied Fracture Mechanics</i> , 2021 , 115, 103074	3.7	1

189	A review on durability of nano-SiO ₂ and basalt fiber modified recycled aggregate concrete. <i>Construction and Building Materials</i> , 2021 , 304, 124659	6.7	18
188	Quasi-solid-state self-assembly of 1D-branched ZnSe/ZnS quantum rods into parallel monorail-like continuous films for solar devices. <i>Nano Energy</i> , 2021 , 89, 106348	17.1	2
187	Single and synergistic enhancement on durability of geopolymer mortar by polyvinyl alcohol fiber and nano-SiO ₂ . <i>Journal of Materials Research and Technology</i> , 2021 , 15, 1801-1814	5.5	10
186	Bonding behavior of concrete matrix and alkali-activated mortar incorporating nano-SiO ₂ and polyvinyl alcohol fiber: Theoretical analysis and prediction model. <i>Ceramics International</i> , 2021 , 47, 31638-31643	5.1	34
185	Effect of PVA fiber on mechanical properties of fly ash-based geopolymer concrete. <i>Reviews on Advanced Materials Science</i> , 2021 , 60, 418-437	4.8	12
184	Smart Design, Controllable Synthesis, and Functional Applications of Low-Dimensional Hetero-Structured Materials. <i>Journal of Nanomaterials</i> , 2021 , 2021, 1-2	3.2	
183	Heteroatom Dopants Promote Two-Electron O Reduction for Photocatalytic Production of H ₂ O on Polymeric Carbon Nitride. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16209-16217	16.4	98
182	Mechanical properties and prediction of fracture parameters of geopolymer/alkali-activated mortar modified with PVA fiber and nano-SiO ₂ . <i>Ceramics International</i> , 2020 , 46, 20027-20037	5.1	81
181	A review on 2D MoS ₂ cocatalysts in photocatalytic H ₂ production. <i>Journal of Materials Science and Technology</i> , 2020 , 56, 89-121	9.1	182
180	Photogenerated Electron Transfer Process in Heterojunctions: In Situ Irradiation XPS. <i>Small Methods</i> , 2020 , 4, 2000214	12.8	59
179	Properties of fresh and hardened fly ash/slag based geopolymer concrete: A review. <i>Journal of Cleaner Production</i> , 2020 , 270, 122389	10.3	96
178	Carbon dots-fed <i>Shewanella oneidensis</i> MR-1 for bioelectricity enhancement. <i>Nature Communications</i> , 2020 , 11, 1379	17.4	38
177	Development and molecular cytogenetic characterization of Thinopyrum bessarabicum introgression lines in hexaploid and tetraploid wheats. <i>Theoretical and Applied Genetics</i> , 2020 , 133, 2117-2130	6	5
176	Inhibition of Autophagy Signaling via 3-methyladenine Rescued Nicotine-Mediated Cardiac Pathological Effects and Heart Dysfunctions. <i>International Journal of Biological Sciences</i> , 2020 , 16, 1349-1362	11.2	9
175	A novel ethylene-responsive factor IBERF4 from sweetpotato negatively regulates abiotic stress. <i>Plant Biotechnology Reports</i> , 2020 , 14, 397-406	2.5	6
174	The cell surface marker CD36 selectively identifies matured, mitochondria-rich hPSC-cardiomyocytes. <i>Cell Research</i> , 2020 , 30, 626-629	24.7	17
173	Fabrication and engineering properties of concretes based on geopolymers/alkali-activated binders - A review. <i>Journal of Cleaner Production</i> , 2020 , 258, 120896	10.3	82
172	Enabling remarkable cycling performance of high-loading MoS ₂ @Graphene anode for sodium ion batteries with tunable cut-off voltage. <i>Journal of Power Sources</i> , 2020 , 458, 228040	8.9	26

171	Subnanometer Bimetallic Platinum-Zinc Clusters in Zeolites for Propane Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19450-19459	16.4	85
170	Downregulation of Hypoxia-Inducible Factor-1 β by RNA Interference Alleviates the Development of Collagen-Induced Arthritis in Rats. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 19, 1330-1342	10.7	6
169	Stem rust resistance in wheat is suppressed by a subunit of the mediator complex. <i>Nature Communications</i> , 2020 , 11, 1123	17.4	18
168	Methane production by acetate dismutation stimulated by <i>Shewanella oneidensis</i> and carbon materials: An alternative to classical CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2020 , 389, 124469	14.7	27
167	Strongly coupled 2D-2D nanojunctions between P-doped Ni ₂ S (Ni ₂ SP) cocatalysts and CdS nanosheets for efficient photocatalytic H ₂ evolution. <i>Chemical Engineering Journal</i> , 2020 , 390, 124496	14.7	115
166	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> , 2020 , 47, 281-290	12	55
165	Evolution of defects with isochronal annealing in helium-irradiated 316L studied by slow positron beam. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020 , 467, 80-85	1.2	4
164	Graphene Oxide-Induced pH Alteration, Iron Overload, and Subsequent Oxidative Damage in Rice (L.): A New Mechanism of Nanomaterial Phytotoxicity. <i>Environmental Science & Technology</i> , 2020 , 54, 3181-3190	10.3	20
163	Entropy Change Characteristics of the LiNiMnO Cathode Material for Lithium-Ion Batteries. <i>ACS Omega</i> , 2020 , 5, 4109-4114	3.9	4
162	Theoretical identification of layered MXene phase Na _x Ti ₄ C ₂ O ₄ as superb anodes for rechargeable sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11177-11187	13	12
161	Genetic determinants of gestational diabetes mellitus: a case-control study in two independent populations. <i>Acta Diabetologica</i> , 2020 , 57, 843-852	3.9	4
160	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> , 2020 , 269, 118850	21.8	208
159	FGD1 exhibits oncogenic properties in hepatocellular carcinoma through regulating cell morphology, autophagy and mitochondrial function. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 125, 110029	7.5	5
158	Coupled Neutronics-Thermal-Hydraulic Simulation of BEAVRS Cycle 1 Depletion by the MCS/CTF Code System. <i>Nuclear Technology</i> , 2020 , 206, 728-742	1.4	1
157	Alterations in the Liver Fat Fraction Features Examined by Magnetic Resonance Imaging Following Bariatric Surgery: a Self-Controlled Observational Study. <i>Obesity Surgery</i> , 2020 , 30, 1917-1928	3.7	6
156	Clinical utility of the Epworth sleepiness scale. <i>Sleep and Breathing</i> , 2020 , 24, 1759-1765	3.1	12
155	Long non-coding RNA LINC00525 promotes the non-small cell lung cancer progression by targeting miR-338-3p/IRS2 axis. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 124, 109858	7.5	13
154	LRRTMs Organize Synapses through Differential Engagement of Neurexin and PTP. <i>Neuron</i> , 2020 , 106, 108-125.e12	13.9	21

153	Vertically aligned graphene nanosheets on multi-yolk/shell structured TiC@C nanofibers for stable LiB batteries. <i>Energy Storage Materials</i> , 2020 , 27, 159-168	19.4	73
152	Identification and characterization of a new stripe rust resistance gene Yr83 on rye chromosome 6R in wheat. <i>Theoretical and Applied Genetics</i> , 2020 , 133, 1095-1107	6	50
151	In-situ hydrogen production and storage in (0 0 2) oriented TiO ₂ thin films. <i>Applied Surface Science</i> , 2020 , 509, 145366	6.7	8
150	Different iron deposition patterns in hemodialysis patients with and without restless legs syndrome: a quantitative susceptibility mapping study. <i>Sleep Medicine</i> , 2020 , 69, 34-40	4.6	5
149	Plant regeneration via protoplast electrofusion in cassava. <i>Journal of Integrative Agriculture</i> , 2020 , 19, 632-642	3.2	4
148	FAM46B is a prokaryotic-like cytoplasmic poly(A) polymerase essential in human embryonic stem cells. <i>Nucleic Acids Research</i> , 2020 , 48, 2733-2748	20.1	10
147	Compressive Strength Prediction of PVA Fiber-Reinforced Cementitious Composites Containing Nano-SiO Using BP Neural Network. <i>Materials</i> , 2020 , 13,	3.5	7
146	Fabrication of Heterostructured Fe TiO ₂ -TiO ₂ Nanocages with Enhanced Photoelectrochemical Performance for Solar Energy Conversion. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8128-8132	16.4	39
145	Multilevel polarization-fields enhanced capture and photocatalytic conversion of particulate matter over flexible schottky-junction nanofiber membranes. <i>Journal of Hazardous Materials</i> , 2020 , 395, 122639	12.8	26
144	Characterization of glycogen molecular structure in the worm <i>Caenorhabditis elegans</i> . <i>Carbohydrate Polymers</i> , 2020 , 237, 116181	10.3	5
143	Effect of tissue density on PET spatial resolution in magnetic environment. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	
142	Confining sulfur in intact freestanding scaffold of yolk-shell nanofibers with high sulfur content for lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2020 , 51, 378-387	12	10
141	Constructing 1D/2D Schottky-Based Heterojunctions between Mn _{0.2} Cd _{0.8} S Nanorods and Ti ₃ C ₂ Nanosheets for Boosted Photocatalytic H ₂ Evolution. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2020 , 2010059-0	3.8	23
140	MCS [A Monte Carlo particle transport code for large-scale power reactor analysis. <i>Annals of Nuclear Energy</i> , 2020 , 139, 107276	1.7	22
139	Effective promotion of spacial charge separation in direct Z-scheme WO ₃ /CdS/WS ₂ tandem heterojunction with enhanced visible-light-driven photocatalytic H ₂ evolution. <i>Chemical Engineering Journal</i> , 2020 , 398, 125602	14.7	43
138	A 7-Amino-Acid Motif of Rep Protein Essential for Virulence Is Critical for Triggering Host Defense Against Sri Lankan Cassava Mosaic Virus. <i>Molecular Plant-Microbe Interactions</i> , 2020 , 33, 78-86	3.6	12
137	Nanoparticle additions promote outstanding fracture toughness and fatigue strength in a cast AlCu alloy. <i>Materials and Design</i> , 2020 , 186, 108221	8.1	12
136	Direct evidence of 2D/1D heterojunction enhancement on photocatalytic activity through assembling MoS ₂ nanosheets onto super-long TiO ₂ nanofibers. <i>Applied Surface Science</i> , 2020 , 504, 144367	6.7	60

135	EZH2 Supports Osteoclast Differentiation and Bone Resorption Via Epigenetic and Cytoplasmic Targets. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 181-195	6.3	10
134	Dual Functional Monocytes Modulate Bactericidal and Anti-Inflammation Process for Severe Osteomyelitis Treatment. <i>Small</i> , 2020 , 16, e1905185	11	20
133	Influence of the incorporation of recycled coarse aggregate on water absorption and chloride penetration into concrete. <i>Construction and Building Materials</i> , 2020 , 239, 117845	6.7	131
132	Comparison of Mercury Intrusion Porosimetry and multi-scale X-ray CT on characterizing the microstructure of heat-treated cement mortar. <i>Materials Characterization</i> , 2020 , 160, 110085	3.9	46
131	Nanoarchitectonic Composites of Mixed and Covalently Linked Multiwalled Carbon Nanotubes and Tetra-[-(-amino)benzyloxy] Phthalocyanine Zinc(II). <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 2713-2721	1.3	1
130	Electron-Doping Mottronics in Strongly Correlated Perovskite. <i>Advanced Materials</i> , 2020 , 32, e1905060	24	14
129	Effects of CO2 fertilization on tomato fruit quality under reduced irrigation. <i>Agricultural Water Management</i> , 2020 , 230, 105985	5.9	9
128	A statistical model of the impact of online rumors on the information quantity of online public opinion. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 541, 123623	3.3	11
127	Mediation of high temperature radiation damage in bcc iron by Au or Cu precipitation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020 , 463, 69-75	1.2	3
126	Plant miRNA-lncRNA Interaction Prediction with the Ensemble of CNN and IndRNN. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2020 , 12, 82-89	3.5	22
125	High boron removal polyamide reverse osmosis membranes by swelling induced embedding of a sulfonyl molecular plug. <i>Journal of Membrane Science</i> , 2020 , 597, 117716	9.6	24
124	Two-dimensional covalent organic frameworks (COF-LZU1) based mixed matrix membranes for pervaporation. <i>Separation and Purification Technology</i> , 2020 , 241, 116406	8.3	11
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