

Peng Zhang

List of Publications by Year in descending order

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268
papers

19,346
citations

10388

72
h-index

14758

127
g-index

273
all docs

273
docs citations

273
times ranked

16829
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ assembly of well-dispersed Ag nanoparticles (AgNPs) on electrospun carbon nanofibers (CNFs) for catalytic reduction of 4-nitrophenol. <i>Nanoscale</i> , 2011, 3, 3357.	5.6	566
2	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.	20.2	449
3	Tantalum-based semiconductors for solar water splitting. <i>Chemical Society Reviews</i> , 2014, 43, 4395-4422.	38.1	421
4	High Photocatalytic Activity of ZnO@Carbon Nanofiber Heteroarchitectures. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 590-596.	8.0	415
5	A review on heterogeneous photocatalysis for environmental remediation: From semiconductors to modification strategies. <i>Chinese Journal of Catalysis</i> , 2022, 43, 178-214.	14.0	382
6	A review on 2D MoS ₂ cocatalysts in photocatalytic H ₂ production. <i>Journal of Materials Science and Technology</i> , 2020, 56, 89-121.	10.7	364
7	Hierarchical assembly of ultrathin hexagonal SnS ₂ nanosheets onto electrospun TiO ₂ nanofibers: enhanced photocatalytic activity based on photoinduced interfacial charge transfer. <i>Nanoscale</i> , 2013, 5, 606-618.	5.6	344
8	Enhancement of the Visible-Light Photocatalytic Activity of In ₂ O ₃ @TiO ₂ Nanofiber Heteroarchitectures. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 424-430.	8.0	320
9	Highly dispersed Fe ₃ O ₄ nanosheets on one-dimensional carbon nanofibers: Synthesis, formation mechanism, and electrochemical performance as supercapacitor electrode materials. <i>Nanoscale</i> , 2011, 3, 5034.	5.6	299
10	Zeolite-Encaged Single-Atom Rhodium Catalysts: Highly Efficient Hydrogen Generation and Shape-Selective Tandem Hydrogenation of Nitroarenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18570-18576.	13.8	281
11	Nanostructured CdS for efficient photocatalytic H ₂ evolution: A review. <i>Science China Materials</i> , 2020, 63, 2153-2188.	6.3	281
12	In situ assembly of well-dispersed gold nanoparticles on electrospun silica nanotubes for catalytic reduction of 4-nitrophenol. <i>Chemical Communications</i> , 2011, 47, 3906.	4.1	276
13	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.	14.0	272
14	A review on properties of fresh and hardened geopolymer mortar. <i>Composites Part B: Engineering</i> , 2018, 152, 79-95.	12.0	270
15	Heteroatom Dopants Promote Two-Electron O ₂ Reduction for Photocatalytic Production of H ₂ O ₂ on Polymeric Carbon Nitride. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16209-16217.	13.8	270
16	Effective Charge Carrier Utilization in Photocatalytic Conversions. <i>Accounts of Chemical Research</i> , 2016, 49, 911-921.	15.6	266
17	A new heterojunction in photocatalysis: S-scheme heterojunction. <i>Chinese Journal of Catalysis</i> , 2021, 42, 667-669.	14.0	260
18	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.	20.2	258

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19	Low-temperature Reduction Strategy Synthesized Si/Ti ₃ C ₂ MXene Composite Anodes for High-performance Li-ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901065.	19.5	255
20	Tubular nanocomposite catalysts based on size-controlled and highly dispersed silver nanoparticles assembled on electrospun silicnanotubes for catalytic reduction of 4-nitrophenol. <i>Journal of Materials Chemistry</i> , 2012, 22, 1387-1395.	6.7	251
21	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.	14.0	246
22	Properties of fresh and hardened fly ash/slag based geopolymer concrete: A review. <i>Journal of Cleaner Production</i> , 2020, 270, 122389.	9.3	243
23	Rationally designed Ta ₃ N ₅ /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.	10.7	232
24	One-dimensional Bi ₂ MoO ₆ /TiO ₂ hierarchical heterostructures with enhanced photocatalytic activity. <i>CrystEngComm</i> , 2012, 14, 605-612.	2.6	228
25	Subnanometer Bimetallic Platinum-Zinc Clusters in Zeolites for Propane Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19450-19459.	13.8	221
26	<i>In situ</i> construction of a C ₃ N ₅ nanosheet/Bi ₂ WO ₆ nanodot S-scheme heterojunction with enhanced structural defects for the efficient photocatalytic removal of tetracycline and Cr(VI). <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2479-2497.	6.0	217
27	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.	7.2	209
28	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.	12.7	203
29	Facile Synthesis of Fe ₂ O ₃ Nano-Dots@Nitrogen-Doped Graphene for Supercapacitor Electrode with Ultralong Cycle Life in KOH Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9335-9344.	8.0	200
30	Hierarchical heterostructures of Bi ₂ MoO ₆ on carbon nanofibers: controllable solvothermal fabrication and enhanced visible photocatalytic properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 577-584.	6.7	196
31	TiO ₂ @carbon core/shell nanofibers: Controllable preparation and enhanced visible photocatalytic properties. <i>Nanoscale</i> , 2011, 3, 2943.	5.6	187
32	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.	12.7	174
33	Dual-Atom Tailoring with Bifunctional Integration for High-performance CO ₂ Photoreduction. <i>Advanced Materials</i> , 2021, 33, e2105135.	21.0	168
34	Sulfur-doped g-C ₃ N ₄ /g-C ₃ N ₄ isotype step-scheme heterojunction for photocatalytic H ₂ evolution. <i>Journal of Materials Science and Technology</i> , 2022, 118, 15-24.	10.7	159
35	Fabrication and engineering properties of concretes based on geopolymers/alkali-activated binders - A review. <i>Journal of Cleaner Production</i> , 2020, 258, 120896.	9.3	153
36	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.	4.8	150

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37	<i>p</i> -MoO ₃ Nanostructures/ <i>n</i> -TiO ₂ Nanofiber Heterojunctions: Controlled Fabrication and Enhanced Photocatalytic Properties. ACS Applied Materials & Interfaces, 2014, 6, 9004-9012.	8.0	148
38	Core/shell nanofibers of TiO ₂ @carbon embedded by Ag nanoparticles with enhanced visible photocatalytic activity. Journal of Materials Chemistry, 2011, 21, 17746.	6.7	143
39	A flexible metallic TiC nanofiber/vertical graphene 1D/2D heterostructured as active electrocatalyst for advanced Li-S batteries. Information Materials, 2021, 3, 790-803.	17.3	142
40	Identification and characterization of a new stripe rust resistance gene Yr83 on rye chromosome 6R in wheat. Theoretical and Applied Genetics, 2020, 133, 1095-1107.	3.6	136
41	Bi ₂ MoO ₆ microtubes: Controlled fabrication by using electrospun polyacrylonitrile microfibers as template and their enhanced visible light photocatalytic activity. Journal of Hazardous Materials, 2012, 225-226, 155-163.	12.4	130
42	Photogenerated Electron Transfer Process in Heterojunctions: In Situ Irradiation XPS. Small Methods, 2020, 4, 2000214.	8.6	129
43	MXenes: An Emerging Platform for Wearable Electronics and Looking Beyond. Matter, 2021, 4, 377-407.	10.0	125
44	Vertically aligned graphene nanosheets on multi-yolk/shell structured TiC@C nanofibers for stable Li-S batteries. Energy Storage Materials, 2020, 27, 159-168.	18.0	124
45	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. Chemical Engineering Journal, 2022, 429, 132587.	12.7	121
46	Recent Advances in Effective Reduction of Graphene Oxide for Highly Improved Performance Toward Electrochemical Energy Storage. Energy and Environmental Materials, 2018, 1, 5-12.	12.8	119
47	Tracking S-scheme Charge Transfer Pathways in Mo ₂ C/CdS H ₂ Evolution Photocatalysts. Solar Rrl, 2021, 5, 2100177.	5.8	117
48	Construction of solid-state Z-scheme carbon-modified TiO ₂ /WO ₃ nanofibers with enhanced photocatalytic hydrogen production. Journal of Power Sources, 2016, 328, 28-36.	7.8	114
49	In situ assembly of well-dispersed Au nanoparticles on TiO ₂ /ZnO nanofibers: A three-way synergistic heterostructure with enhanced photocatalytic activity. Journal of Hazardous Materials, 2012, 237-238, 331-338.	12.4	113
50	Hydrothermal synthesis of carbon-rich graphitic carbon nitride nanosheets for photoredox catalysis. Journal of Materials Chemistry A, 2015, 3, 3281-3284.	10.3	113
51	Template-oriented synthesis of monodispersed SnS ₂ @SnO ₂ hetero-nanoflowers for Cr(VI) photoreduction. Applied Catalysis B: Environmental, 2016, 192, 17-25.	20.2	108
52	Plasmon enhancement on photocatalytic hydrogen production over the Z-scheme photosynthetic heterojunction system. Applied Catalysis B: Environmental, 2017, 210, 297-305.	20.2	107
53	One-dimensional hierarchical heterostructures of In ₂ S ₃ nanosheets on electrospun TiO ₂ nanofibers with enhanced visible photocatalytic activity. Journal of Hazardous Materials, 2013, 260, 892-900.	12.4	103
54	Direct evidence of 2D/1D heterojunction enhancement on photocatalytic activity through assembling MoS ₂ nanosheets onto super-long TiO ₂ nanofibers. Applied Surface Science, 2020, 504, 144361.	6.1	100

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55	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.	12.9	100
56	One-dimensional Z-scheme TiO ₂ /WO ₃ /Pt heterostructures for enhanced hydrogen generation. <i>Applied Surface Science</i> , 2017, 391, 211-217.	6.1	99
57	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.	14.0	99
58	Lithium-Sulfur Batteries Meet Electrospinning: Recent Advances and the Key Parameters for High Gravimetric and Volume Energy Density. <i>Advanced Science</i> , 2022, 9, e2103879.	11.2	98
59	Oxo dicopper anchored on carbon nitride for selective oxidation of methane. <i>Nature Communications</i> , 2022, 13, 1375.	12.8	98
60	Carbon dots-fed <i>Shewanella oneidensis</i> MR-1 for bioelectricity enhancement. <i>Nature Communications</i> , 2020, 11, 1379.	12.8	97
61	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.	20.2	96
62	TiO ₂ nanostructures with different crystal phases for sensitive acetone gas sensors. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 357-366.	9.4	93
63	ZnWO ₄ -ZnIn ₂ S ₄ S-scheme heterojunction for enhanced photocatalytic H ₂ evolution. <i>Journal of Materials Science and Technology</i> , 2022, 122, 231-242.	10.7	93
64	Constructing 2D layered MoS ₂ nanosheets-modified Z-scheme TiO ₂ /WO ₃ nanofibers ternary nanojunction with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2018, 430, 466-474.	6.1	92
65	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.	10.7	92
66	A review on durability of nano-SiO ₂ and basalt fiber modified recycled aggregate concrete. <i>Construction and Building Materials</i> , 2021, 304, 124659.	7.2	89
67	Highly porous reticular tin-cobalt oxide composite thin film anodes for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2009, 19, 8360.	6.7	88
68	Bi ₂ MoO ₆ ultrathin nanosheets on ZnTiO ₃ nanofibers: A 3D open hierarchical heterostructures synergistic system with enhanced visible-light-driven photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2012, 217-218, 422-428.	12.4	86
69	Carbon-modified BiVO ₄ microtubes embedded with Ag nanoparticles have high photocatalytic activity under visible light. <i>Nanoscale</i> , 2012, 4, 7501.	5.6	82
70	Review-Research Progress on Layered Transition Metal Oxide Cathode Materials for Sodium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2021, 168, 050524.	2.9	82
71	CuO/Cu ₂ O nanofibers as electrode materials for non-enzymatic glucose sensors with improved sensitivity. <i>RSC Advances</i> , 2014, 4, 31056.	3.6	79
72	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 & Interfaces</i> , 2011, 3, 2573-2578.	8.0	78

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73	Dual Evolution in Defect and Morphology of Single-Atom Dispersed Carbon Based Oxygen Electrocatalyst. <i>Advanced Functional Materials</i> , 2021, 31, 2010472.	14.9	78
74	From anti-perovskite to double anti-perovskite: tuning lattice chemistry to achieve super-fast Li ⁺ transport in cubic solid lithium halogen chalcogenides. <i>Journal of Materials Chemistry A</i> , 2018, 6, 73-83.	10.3	77
75	Efficient charge separation on 3D architectures of TiO ₂ mesocrystals packed with a chemically exfoliated MoS ₂ shell in synergetic hydrogen evolution. <i>Chemical Communications</i> , 2015, 51, 7187-7190.	4.1	76
76	Human SNORA31 variations impair cortical neuron-intrinsic immunity to HSV-1 and underlie herpes simplex encephalitis. <i>Nature Medicine</i> , 2019, 25, 1873-1884.	30.7	76
77	Morphology-controlled synthesis of CeO ₂ nanocrystals and their facet-dependent gas sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129374.	7.8	76
78	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.	12.7	73
79	In ₂ O ₃ nanocubes/carbon nanofibers heterostructures with high visible light photocatalytic activity. <i>Journal of Materials Chemistry</i> , 2012, 22, 1786-1793.	6.7	72
80	Effect of PVA fiber on mechanical properties of cementitious composite with and without nano-SiO ₂ . <i>Construction and Building Materials</i> , 2019, 229, 117068.	7.2	72
81	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.	12.9	72
82	BiOCl nanosheets immobilized on electrospun polyacrylonitrile nanofibers with high photocatalytic activity and reusable property. <i>Applied Surface Science</i> , 2013, 285, 509-516.	6.1	70
83	Theoretical design of solid electrolytes with superb ionic conductivity: alloying effect on Li ⁺ transportation in cubic Li ₆ PA ₅ X chalcogenides. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21846-21857.	10.3	70
84	Ti ₃ C ₂ MXene as an energy band bridge to regulate the heterointerface mass transfer and electron reversible exchange process for Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25255-25267.	10.3	70
85	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> , 2013, 15, 10453.	2.8	69
86	First Principle Material Genome Approach for All Solid-State Batteries. <i>Energy and Environmental Materials</i> , 2019, 2, 234-250.	12.8	69
87	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.	4.8	69
88	Deep Reinforcement Learning (DRL): Another Perspective for Unsupervised Wireless Localization. <i>IEEE Internet of Things Journal</i> , 2020, 7, 6279-6287.	8.7	68
89	Iron phthalocyanine/TiO ₂ nanofiber heterostructures with enhanced visible photocatalytic activity assisted with H ₂ O ₂ . <i>Journal of Hazardous Materials</i> , 2012, 219-220, 156-163.	12.4	67
90	Aurora-A mediated phosphorylation of LDHB promotes glycolysis and tumor progression by relieving the substrate-inhibition effect. <i>Nature Communications</i> , 2019, 10, 5566.	12.8	66

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91	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.	4.4	66
92	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.	12.9	66
93	In situ Generation of Well-Dispersed ZnO Quantum Dots on Electrospun Silica Nanotubes with High Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 785-790.	8.0	63
94	Computational screening study of double transition metal carbonitrides $M\epsilon^{2}M\epsilon^{3}CNO_2$ -MXene as catalysts for hydrogen evolution reaction. <i>Npj Computational Materials</i> , 2021, 7, .	8.7	63
95	Interfacial properties of geopolymer mortar and concrete substrate: Effect of polyvinyl alcohol fiber and nano-SiO ₂ contents. <i>Construction and Building Materials</i> , 2022, 315, 125735.	7.2	63
96	Assembling Ti ₃ C ₂ MXene into ZnIn ₂ S ₄ -NiSe ₂ S-scheme heterojunction with multiple charge transfer channels for accelerated photocatalytic H ₂ generation. <i>Chemical Engineering Journal</i> , 2022, 447, 137488.	12.7	62
97	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.	14.0	59
98	Simultaneous intensification of direct acetate cleavage and CO ₂ reduction to generate methane by bioaugmentation and increased electron transfer. <i>Chemical Engineering Journal</i> , 2019, 378, 122229.	12.7	58
99	Molecular Beam Epitaxy Scalable Growth of Wafer-scale Continuous Semiconducting Monolayer MoTe ₂ on Inert Amorphous Dielectrics. <i>Advanced Materials</i> , 2019, 31, e1901578.	21.0	58
100	Fabrication of Heterostructured Fe ₂ TiO ₅ @TiO ₂ Nanocages with Enhanced Photoelectrochemical Performance for Solar Energy Conversion. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8128-8132.	13.8	58
101	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, 31638-31649.	4.8	56
102	Dandelion-like Fe ₃ O ₄ @CuTNPc hierarchical nanostructures as a magnetically separable visible-light photocatalyst. <i>Journal of Materials Chemistry</i> , 2011, 21, 12083.	6.7	54
103	Hydrothermal synthesis of BiVO ₄ /TiO ₂ composites and their application for degradation of gaseous benzene under visible light irradiation. <i>Applied Surface Science</i> , 2018, 436, 319-326.	6.1	53
104	High boron removal polyamide reverse osmosis membranes by swelling induced embedding of a sulfonfyl molecular plug. <i>Journal of Membrane Science</i> , 2020, 597, 117716.	8.2	53
105	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.	12.7	53
106	Stem rust resistance in wheat is suppressed by a subunit of the mediator complex. <i>Nature Communications</i> , 2020, 11, 1123.	12.8	52
107	A Three-Region-Configuration for Enhanced Electrochemical Kinetics and High Areal Capacity Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	52
108	Influencing factors analysis and optimized prediction model for rheology and flowability of nano-SiO ₂ and PVA fiber reinforced alkali-activated composites. <i>Journal of Cleaner Production</i> , 2022, 366, 132988.	9.3	52

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109	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.	12.7	51
110	Comprehensive review of the properties of fly ash-based geopolymer with additive of nano-SiO ₂ . <i>Nanotechnology Reviews</i> , 2022, 11, 1478-1498.	5.8	51
111	Microwave awakening the n-ï€* electronic transition in highly crystalline polymeric carbon nitride nanosheets for photocatalytic hydrogen generation. <i>Journal of Energy Chemistry</i> , 2022, 65, 541-547.	12.9	48
112	RGO-functionalized polymer nanofibrous membrane with exceptional surface activity and ultra-low airflow resistance for PM _{2.5} filtration. <i>Environmental Science: Nano</i> , 2018, 5, 1813-1820.	4.3	47
113	Multidimensionâ€Controllable Synthesis of Ant Nestâ€Structural Electrode Materials with Unique 3D Hierarchical Porous Features toward Electrochemical Applications. <i>Advanced Functional Materials</i> , 2019, 29, 1808994.	14.9	46
114	Capability of Fengyun-3D Satellite in Earth System Observation. <i>Journal of Meteorological Research</i> , 2019, 33, 1113-1130.	2.4	46
115	Construction of a low-defect and highly conductive 3D graphene network to enable a high sulphur content cathode for high performance Liâ€S/graphene batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22555-22565.	10.3	45
116	A novel method for harvesting concentrated platelet-rich fibrin (C-PRF) with a 10-fold increase in platelet and leukocyte yields. <i>Clinical Oral Investigations</i> , 2020, 24, 2819-2828.	3.0	45
117	Mechanical and fracture properties of steel fiber-reinforced geopolymer concrete. <i>Science and Engineering of Composite Materials</i> , 2021, 28, 299-313.	1.4	45
118	Complex <sc>permittivityâ€dependent</sc> plasma <sc>confinementâ€assisted</sc> growth of asymmetric vertical graphene nanofiber membrane for <sc>highâ€performance Liâ€S</sc> full cells. <i>InformaÃnÃ-MateriÃjly</i> , 2022, 4, .	17.3	45
119	Fe₃O₄@TiO₂-Laden Neutrophils Activate Innate Immunity via Photosensitive Reactive Oxygen Species Release. <i>Nano Letters</i> , 2020, 20, 261-271.	9.1	44
120	Clinical utility of the Epworth sleepiness scale. <i>Sleep and Breathing</i> , 2020, 24, 1759-1765.	1.7	44
121	Constructing 1D/2D Schottky-Based Heterojunctions between Mn_{0.2}Cd_{0.8}S Nanorods and Ti₃C₂ Nanosheets for Boosted Photocatalytic H₂ Evolution. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2020, .	4.9	44
122	Influence of SiO ₂ /Na ₂ O 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.	5.8	44
123	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.	7.8	43
124	Controllable fabrication of cadmium phthalocyanine nanostructures immobilized on electrospun polyacrylonitrile nanofibers with high photocatalytic properties under visible light. <i>Catalysis Communications</i> , 2011, 12, 880-885.	3.3	42
125	Blood flow patterns regulate PCSK9 secretion via MyD88-mediated pro-inflammatory cytokines. <i>Cardiovascular Research</i> , 2020, 116, 1721-1732.	3.8	42
126	Graphene Oxide-Induced pH Alteration, Iron Overload, and Subsequent Oxidative Damage in Rice (<i>Oryza sativa</i> L.): A New Mechanism of Nanomaterial Phytotoxicity. <i>Environmental Science & Technology</i> , 2020, 54, 3181-3190.	10.0	42

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127	MCS “ A Monte Carlo particle transport code for large-scale power reactor analysis. <i>Annals of Nuclear Energy</i> , 2020, 139, 107276.	1.8	42
128	Combining tannic acid-modified support and a green co-solvent for high performance reverse osmosis membranes. <i>Journal of Membrane Science</i> , 2020, 595, 117474.	8.2	41
129	Ultrathin CeO ₂ nanosheets as bifunctional sensing materials for humidity and formaldehyde detection. <i>Rare Metals</i> , 2021, 40, 1614-1621.	7.1	41
130	Dual Functional Monocytes Modulate Bactericidal and Anti-Inflammation Process for Severe Osteomyelitis Treatment. <i>Small</i> , 2020, 16, e1905185.	10.0	40
131	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.	12.7	40
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