Yingge Zhang

List of Publications by Year in descending order

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500 papers	30,396 citations	4146 87 h-index	7518 151 g-index
511 all docs	511 docs citations	511 times ranked	21854 citing authors

#	Article	IF	Citations
1	Layered photocatalytic nanomaterials for environmental applications. Chinese Chemical Letters, 2023, 34, 107523.	9.0	41
2	High-density polyethylene composite filled with red mud: effect of coupling agent on mechanical and thermal properties. Environmental Technology (United Kingdom), 2022, 43, 3283-3294.	2.2	9
3	High-performance flexible supercapacitor enabled by Polypyrrole-coated NiCoP@CNT electrode for wearable devices. Journal of Colloid and Interface Science, 2022, 606, 135-147.	9.4	48
4	Z-scheme junction Bi2O2(NO3)(OH)/g-C3N4 for promoting CO2 photoreduction. Chemical Engineering Journal, 2022, 429, 132268.	12.7	27
5	Dispersive NiCoP/LDO heterostructure nanosheets scattered by CNTs enabling high-performance electrochemical energy storage. Chemical Engineering Journal, 2022, 429, 132482.	12.7	33
6	Role of transition metal oxides in g-C3N4-based heterojunctions for photocatalysis and supercapacitors. Journal of Energy Chemistry, 2022, 64, 214-235.	12.9	117
7	Versatile Titanates: Classification, Property, Preparation, and Sustainable Energy Catalysis. Advanced Functional Materials, 2022, 32, 2108350.	14.9	14
8	Facet Coupling Design for Bi₄TaO₈Cl/gâ€C₃N₄ via Electrostatic Selfâ€Assembly to Enhance Photocatalytic Activity. ChemPhotoChem, 2022, 6, .	3.0	1
9	Enriching surface-enhanced Raman spectral signatures in combined static and plasmonic electrical fields in self-powered substrates. Nano Energy, 2022, 92, 106737.	16.0	11
10	Black phosphorus-based heterostructures for photocatalysis and photoelectrochemical water splitting. Journal of Energy Chemistry, 2022, 67, 745-779.	12.9	51
11	Efficient piezocatalytic H2O2 production of atomic-level thickness Bi4Ti3O12 nanosheets with surface oxygen vacancy. Chemical Engineering Journal, 2022, 431, 133930.	12.7	27
12	H2O2 generation enhancement by ultrasonic nebulisation with a zinc layer for spray disinfection. Chemical Engineering Journal, 2022, 431, 134005.	12.7	14
13	A healing promoting wound dressing with tailor-made antibacterial potency employing piezocatalytic processes in multi-functional nanocomposites. Nanoscale, 2022, 14, 2649-2659.	5.6	15
14	Synergistic effects of B/S co-doped spongy-like hierarchically porous carbon for a high performance zinc-ion hybrid capacitor. Nanoscale, 2022, 14, 2004-2012.	5.6	21
15	Enzymeâ€Mimetic Molecular Selective Catalysis via Single Zr Atom Catalysis in Chelated Cage Embedded in a Flexible Piezoelectrical Matrix. Chemistry - A European Journal, 2022, 28, .	3.3	1
16	Piezoelectric-Fenton degradation and mechanism study of Fe2O3/PVDF-HFP porous film drove by flowing water. Journal of Hazardous Materials, 2022, 430, 128446.	12.4	45
17	High-performance composite separators based on the synergy of vermiculite and laponite for lithium-ion batteries. Soft Matter, 2022, 18, 2522-2527.	2.7	1
18	Three-Dimensional Porous h-BC₂N Based on BN Chains and Prismane C₈ Units for Alkali Metal Ion Battery Anodes. Journal of Physical Chemistry Letters, 2022, 13, 2348-2355.	4.6	3

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19	Chemically Bonded Î±â€Fe₂O₃/Bi₄MO₈Cl Dotâ€onâ€Plate Zâ€Scheme Junction with Strong Internal Electric Field for Selective Photoâ€oxidation of Aromatic Alcohols. Angewandte Chemie, 2022, 134, .	2.0	8
20	Chemically Bonded Î±â€Fe₂O₃/Bi₄MO₈Cl Dotâ€onâ€Plate Zâ€Scheme Junction with Strong Internal Electric Field for Selective Photoâ€oxidation of Aromatic Alcohols. Angewandte Chemie - International Edition, 2022, 61, .	13.8	72
21	Engineering piezoelectricity and strain sensitivity in CdS to promote piezocatalytic hydrogen evolution. Chinese Journal of Catalysis, 2022, 43, 1277-1285.	14.0	65
22	Latest development and versatile applications of highly integrating drug delivery patch. European Polymer Journal, 2022, 170, 111164.	5.4	5
23	A new insight into utilization of red mud in poly(vinyl chloride) composites via surface modification and toughening modulation to attain performance optimization. Construction and Building Materials, 2022, 333, 127340.	7.2	6
24	Layered bismuth-based photocatalysts. Coordination Chemistry Reviews, 2022, 463, 214515.	18.8	99
25	C-A-S-H Gel and Pore Structure Characteristics of Alkali-Activated Red Mudâ€“Iron Tailings Cementitious Mortar. Materials, 2022, 15, 112.	2.9	14
26	Synergetic Piezoâ€Photocatalytic Hydrogen Evolution on Cd_xZn_{1â€x}S Solidâ€Solution 1D Nanorods. Small, 2022, 18, e2106420.	10.0	26
27	Hollow Bimetallic Phosphosulfide NiCoâ€“P/S Nanoparticles in a CNT/rGO Framework with Interface Charge Redistribution for Battery-Type Supercapacitors. ACS Applied Energy Materials, 2022, 5, 685-696.	5.1	17
28	Piezocatalytic and Photocatalytic Hydrogen Peroxide Evolution of Sulfide Solid Solution Nanoâ€Branches from Pure Water and Air. Small, 2022, 18, e2200914.	10.0	37
29	Effective H₂O₂ Production via Favorable Intermediate Desorption in Fluctuating Electrical Fields from Matrixâ€Filler Mutually Enhanced Pâ€C₃N₄/PVDFâ€HFP Porous Composite**. ChemElectroChem, 2022, 9, .	3.4	3
30	Toughening action in marble tailings/PVC composite plates: Rheological and mechanical properties. Construction and Building Materials, 2022, 340, 127680.	7.2	2
31	Study on lithium storage performance of plum-putting-like CoP nanoparticles embedded in N, P co-doped porous carbon. Journal of Colloid and Interface Science, 2022, 624, 14-23.	9.4	7
32	Metal Phosphides as Promising Electrode Materials for Alkali Metal Ion Batteries and Supercapacitors: A Review. Advanced Sustainable Systems, 2022, 6, .	5.3	6
33	Mortar Designed from Red Mud with Iron Tailings and Moulded by 3D Printing. Bulletin of Environmental Contamination and Toxicology, 2022, 109, 95-100.	2.7	2
34	Surface cationic and anionic dual vacancies enhancing photocatalytic activity of Bi2WO6. Applied Surface Science, 2022, 602, 154311.	6.1	22
35	Facile fabrication of mesoporous SiO2@(cTiO2/BiOI) heterojunctions with enhanced photocatalytic properties due to large surface area for contact with pollutants. Results in Surfaces and Interfaces, 2022, 8, 100065.	2.4	2
36	Application of NiCoP/NiCo2N designed by heterogeneous interface engineering in low-temperature flexible supercapacitors. Journal of Energy Storage, 2022, 54, 105302.	8.1	6

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37	Reduced graphene oxide-modified NiCo-phosphates on Ni foam enabling high areal capacitances for asymmetric supercapacitors. Journal of Materials Science and Technology, 2021, 90, 255-263.	10.7	20
38	Hydroxyl radicals and sulfate radicals synergistically boosting the photocatalytic and mineralization ability of 1D-2D Bi5O7I/NiFe-LDH heterojunction. Applied Surface Science, 2021, 540, 148237.	6.1	36
39	Reply to the comments by Venkata Siva Naga Sai Goli and Devendra Narain Singh of the paper â€œIncorporation of Xuan-paper waste residue in red mud/waste polyethylene compositesâ€. Journal of Hazardous Materials, 2021, 404, 124161.	12.4	0
40	Photocatalysis Enhanced by External Fields. Angewandte Chemie - International Edition, 2021, 60, 16309-16328.	13.8	218
41	Photocatalysis Enhanced by External Fields. Angewandte Chemie, 2021, 133, 16445-16464.	2.0	20
42	Insideâ€andâ€Out Semiconductor Engineering for CO₂ Photoreduction: From Recent Advances to New Trends. Small Structures, 2021, 2, 2000061.	12.0	346
43	Piezoelectric Nanogenerators based on Graphene Oxide/PVDF Electrospun Nanofiber with Enhanced Performances by In-Situ Reduction. Materials Today Communications, 2021, 26, 101629.	1.9	46
44	SnS2 nanodots decorated on RGO sheets with enhanced pseudocapacitive performance for asymmetric supercapacitors. Journal of Alloys and Compounds, 2021, 853, 156903.	5.5	34
45	Preparation of Bi-based porous and magnetic electrospun fibers and their photocatalytic properties in weak polar medium. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125718.	4.7	5
46	Nanostructured Metal Sulfides: Classification, Modification Strategy, and Solarâ€Driven CO₂ Reduction Application. Advanced Functional Materials, 2021, 31, 2008008.	14.9	221
47	Photocatalytic Oxygen Evolution from Water Splitting. Advanced Science, 2021, 8, 2002458.	11.2	98
48	Nanoscopically-optimized carrier transportation and utilization in immobilized AuNP-TiO2 composite HER photocatalysts. Applied Surface Science, 2021, 537, 148055.	6.1	7
49	Junction Engineering for Photocatalytic and Photoelectrocatalytic CO₂ Reduction. Solar Rrl, 2021, 5, 2000430.	5.8	35
50	A hollow Co₉S₈rodâ€“acidified CNTâ€“NiCoLDH composite providing excellent electrochemical performance in asymmetric supercapacitors. Dalton Transactions, 2021, 50, 9283-9292.	3.3	19
51	Atomicâ€Level Charge Separation Strategies in Semiconductorâ€Based Photocatalysts. Advanced Materials, 2021, 33, e2005256.	21.0	215
52	Hydrogen Bond Enhances Photomechanical Swing of Liquid-Crystalline Polymer Bilayer Films. ACS Applied Materials & Interfaces, 2021, 13, 6585-6596.	8.0	46
53	Facet-selective charge separation in two-dimensional bismuth-based photocatalysts. Catalysis Science and Technology, 2021, 11, 3659-3675.	4.1	17
54	Bismuth-based Z-scheme photocatalytic systems for solar energy conversion. Materials Chemistry Frontiers, 2021, 5, 2484-2505.	5.9	33

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55	Light-driven autonomous self-oscillation of a liquid-crystalline polymer bimorph actuator. Journal of Materials Chemistry C, 2021, 9, 12573-12580.	5.5	19
56	Boosting Zn-ion adsorption in cross-linked N/P co-incorporated porous carbon nanosheets for the zinc-ion hybrid capacitor. Journal of Materials Chemistry A, 2021, 9, 16565-16574.	10.3	67
57	Structural and Electronic Properties of MO2/MS2 Heterojunctions and Potential Application in Lithium-Ion Batteries. Journal of Physical Chemistry C, 2021, 125, 4391-4396.	3.1	9
58	A porous piezoelectric-dielectric flexible energy conversion film for electricity generation from multiple sources. Chemical Physics Letters, 2021, 767, 138357.	2.6	4
59	Recent Development of Alginate-Based Materials and Their Versatile Functions in Biomedicine, Flexible Electronics, and Environmental Uses. ACS Biomaterials Science and Engineering, 2021, 7, 1302-1337.	5.2	71
60	Bifunctional Selfâ€Powered Drug Delivery System to Promote the Release and Transdermal Delivery of Polar Molecules. ChemistrySelect, 2021, 6, 3322-3330.	1.5	4
61	A New Monolayer B 4 C 4 with Robust Stability and Excellent Performance for Spontaneous Water Splitting Under Visible Light. Advanced Theory and Simulations, 2021, 4, 2100015.	2.8	1
62	Oxygen Vacant Semiconductor Photocatalysts. Advanced Functional Materials, 2021, 31, 2100919.	14.9	242
63	Functional Material Systems Based on Soft Cages. Chemistry - an Asian Journal, 2021, 16, 1198-1215.	3.3	11
64	Coupling ferroelectric polarization and anisotropic charge migration for enhanced CO2 photoreduction. Applied Catalysis B: Environmental, 2021, 284, 119709.	20.2	74
65	Exceptional Cocatalystâ€Free Photoâ€Enhanced Piezocatalytic Hydrogen Evolution of Carbon Nitride Nanosheets from Strong Inâ€Plane Polarization. Advanced Materials, 2021, 33, e2101751.	21.0	272
66	Hierarchically Assembling CoFe Prussian Blue Analogue Nanocubes on CoP Nanosheets as Highly Efficient Electrocatalysts for Overall Water Splitting. Small Methods, 2021, 5, e2100125.	8.6	46
67	2D Graphitic Carbon Nitride for Energy Conversion and Storage. Advanced Functional Materials, 2021, 31, 2102540.	14.9	190
68	Double-side effect of B/C ratio on BDD electrode detection for heavy metal ion in water. Science of the Total Environment, 2021, 771, 145430.	8.0	8
69	Synergistic Polarization Engineering on Bulk and Surface for Boosting CO₂ Photoreduction. Angewandte Chemie, 2021, 133, 18451-18456.	2.0	19
70	Zincâ€ion Hybrid Capacitor with High Energy Density Constructed by Bamboo Shavings Derived Spongyâ€like Porous Carbon. ChemistrySelect, 2021, 6, 6937-6943.	1.5	12
71	Synergy of ferroelectric polarization and oxygen vacancy to promote CO2 photoreduction. Nature Communications, 2021, 12, 4594.	12.8	180
72	Natural Nanominerals Show Enzyme-Like Activities. Journal of Nanomaterials, 2021, 2021, 1-12.	2.7	2

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73	Synergistic Polarization Engineering on Bulk and Surface for Boosting CO₂ Photoreduction. Angewandte Chemie - International Edition, 2021, 60, 18303-18308.	13.8	197
74	Mixed-metal MOF-derived Coâ€“Mnâ€“O hollow spheres as anodes for lithium storage. Materials Today Energy, 2021, 21, 100825.	4.7	3
75	RGO wrapped tungsten trioxide hydrate on CNT-modified carbon Cloth as self-supported high-rate lithium-ion battery electrode. Electrochimica Acta, 2021, 394, 139162.	5.2	14
76	Surface modification of silica micro-powder by titanate coupling agent and its utilization in PVC based composite. Construction and Building Materials, 2021, 307, 124933.	7.2	21
77	Photocatalysis of free-standing electrospinning SiO2 membranes with loaded BiFeO3/C3N4 short rods. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 628, 127326.	4.7	1
78	Defect-triggered catalysis with multiple reactive species over bismuth oxyhalides in the dark. Applied Surface Science, 2021, 567, 150765.	6.1	7
79	Elemental diversity-enhanced HER and OER photoelectrochemical catalytic performance in FeCo-AuNP/nitrogen-carbon composite catalysts. Applied Surface Science, 2021, 568, 151005.	6.1	6
80	Ultrafine Fe nanoparticles embedded in N-doped carbon nanotubes derived from highly dispersed g-C₃N₄ nanofibers for the oxygen reduction reaction. New Journal of Chemistry, 2021, 45, 5421-5427.	2.8	3
81	Energy and environmental catalysis driven by stress and temperature-variation. Journal of Materials Chemistry A, 2021, 9, 12400-12432.	10.3	44
82	Self-powered materials obtained by interfacing functional assemblies with energy harvesting films. Materials Chemistry Frontiers, 2021, 5, 2623-2648.	5.9	11
83	A facile preparation method for MoS2 nanosheets and their well-controllable interfacial assembly with PEDOT: PSS for effective electrochemical hydrogen evolution reactions. Journal of Materials Science, 2021, 56, 7008-7021.	3.7	7
84	Effect of physiochemical properties in biomass-derived materials caused by different synthesis methods and their electrochemical properties in supercapacitors. Journal of Materials Chemistry A, 2021, 9, 12521-12552.	10.3	43
85	All-in-one polarized Cd/CdS/halloysite ferroelectric hybrid for exceptional photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2021, 9, 17936-17944.	10.3	22
86	Active Basal Plane Catalytic Activity via Interfacial Engineering for a Finely Tunable Conducting Polymer/MoS₂ Hydrogen Evolution Reaction Multilayer Structure. ACS Applied Materials & Interfaces, 2021, 13, 734-744.	8.0	17
87	Biofriendly molecular and protein release substrate with integrated piezoelectric motivation and anti-oxidative stress capabilities. Nanoscale, 2021, 13, 8481-8489.	5.6	5
88	Effective Mechanical Energy Harvesting from PVDF Multilayers by Head-to-Head Parallel Assembly. ACS Applied Energy Materials, 2021, 4, 11133-11143.	5.1	4
89	Significant Aggregation-Enhanced Carrier Separation in Nanoscopic Catalysts Heterojunction Stacks. ACS Applied Materials & Interfaces, 2021, 13, 56620-56629.	8.0	3
90	Mica-based triboelectric nanogenerators for energy harvesting. Applied Clay Science, 2021, 215, 106330.	5.2	14

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91	Graphene for Energy Storage and Conversion: Synthesis and Interdisciplinary Applications. Electrochemical Energy Reviews, 2020, 3, 395-430.	25.5	59
92	Bi4NbO8Cl {001} nanosheets coupled with g-C3N4 as 2D/2D heterojunction for photocatalytic degradation and CO2 reduction. Journal of Hazardous Materials, 2020, 381, 121159.	12.4	111
93	Two layered Bi-based borate photocatalysts MBi2B2O7 (Mâ€¯=â€¯Ca, Sr) for photocatalytic degradation and oxygen activation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 584, 123994.	4.7	16
94	Modified sepiolite/PVDFâ€HFP composite film with enhanced piezoelectric and dielectric properties. Journal of Applied Polymer Science, 2020, 137, 48412.	2.6	17
95	MnO nanorods coated by Co-decorated N-doped carbon as anodes for high performance lithium ion batteries. Applied Surface Science, 2020, 504, 144479.	6.1	34
96	Enhanced pseudocapacitive energy storage properties of budding-branch like MoO₂@C/CNT nanorods. Dalton Transactions, 2020, 49, 1637-1645.	3.3	14
97	A 3D porous FeP/rGO modulated separator as a dual-function polysulfide barrier for high-performance lithium sulfur batteries. Nanoscale Horizons, 2020, 5, 530-540.	8.0	90
98	Nanotubular TiO₂ with Remedied Defects for Photocatalytic Nitrogen Fixation. Journal of Physical Chemistry C, 2020, 124, 1253-1259.	3.1	28
99	Coupling Piezocatalysis and Photocatalysis in Bi₄NbO₈X (X = Cl, Br) Polar Single Crystals. Advanced Functional Materials, 2020, 30, 1908168.	14.9	225
100	MOF-derived Ni-doped CoP@C grown on CNTs for high-performance supercapacitors. Chemical Engineering Journal, 2020, 385, 123454.	12.7	155
101	A layer-by-layer strategy for the scalable preparation of uniform interfacial electrocatalysts with high structural tunability: a case study of a CoNP/N,P-graphene catalyst complex. Nanoscale, 2020, 12, 145-154.	5.6	1
102	Mesoporous ZnCo2O4-CNT microflowers as bifunctional material for supercapacitive and lithium energy storage. Applied Surface Science, 2020, 506, 144964.	6.1	43
103	Highly porous oxygen-doped NiCoP immobilized in reduced graphene oxide for supercapacitive energy storage. Composites Part B: Engineering, 2020, 182, 107611.	12.0	80
104	Pyroelectric catalysis. Nano Energy, 2020, 78, 105371.	16.0	73
105	Photocatalysisâ€Assisted Co₃O₄/gâ€C₃N₄ pâ€“n Junction Allâ€Solidâ€State Supercapacitors: A Bridge between Energy Storage and Photocatalysis. Advanced Science, 2020, 7, 2001939.	11.2	83
106	Sn-Decorated red P entangled in CNTs as anodes for advanced lithium ion batteries. Dalton Transactions, 2020, 49, 10909-10917.	3.3	8
107	CTAB-modified Ni2P@ACNT composite with enhanced supercapacitive and lithium/sodium storage performance. Journal of Electroanalytical Chemistry, 2020, 873, 114441.	3.8	16
108	First-principles calculations of an asymmetric MoO₂/graphene nanocomposite as the anode material for lithium-ion batteries. RSC Advances, 2020, 10, 43312-43318.	3.6	4

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109	Construction of Snâ€“Pâ€“graphene microstructure with Snâ€“C and Pâ€“C co-bonding as anodes for lithium-ion batteries. Chemical Communications, 2020, 56, 10572-10575.	4.1	13
110	Enhanced dielectric properties of halloysite/PVDF-HFP modified by Li-ion realizing superior energy conversion ability. Chemical Physics Letters, 2020, 761, 138089.	2.6	12
111	Composite plates utilizing dealkalized red mud, acid leaching slag and dealkalized red mud-fly ash: Preparation and performance comparison. Construction and Building Materials, 2020, 261, 120495.	7.2	16
112	Enhanced Electricity Generation and Tunable Preservation in Porous Polymeric Materials via Coupled Piezoelectric and Dielectric Processes. Advanced Materials, 2020, 32, e2003087.	21.0	33
113	Piezocatalysis and Piezoâ€Photocatalysis: Catalysts Classification and Modification Strategy, Reaction Mechanism, and Practical Application. Advanced Functional Materials, 2020, 30, 2005158.	14.9	435
114	Orthogonally Regulated Mechanical Strength and Molecular Delivery Capabilities Achieved in a Double Network Hydrogel Matrix. ChemistrySelect, 2020, 5, 5781-5787.	1.5	3
115	Remarkably Boosted Molecular Delivery Triggered by Combined Thermal and Flexoelectrical Field Dual Stimuli. ChemistrySelect, 2020, 5, 6715-6722.	1.5	3
116	Polymeric carbon nitride with frustrated Lewis pair sites for enhanced photofixation of nitrogen. Journal of Materials Chemistry A, 2020, 8, 13292-13298.	10.3	44
117	CuCo₂S₄â€“rGO Microflowers: Firstâ€Principle Calculation and Application in Energy Storage. Small, 2020, 16, e2001468.	10.0	39
118	Self-Induced Strain in 2D Chalcogenide Nanocrystals with Enhanced Photoelectrochemical Responsivity. Chemistry of Materials, 2020, 32, 2774-2781.	6.7	7
119	A wearable solar-thermal-pyroelectric harvester: Achieving high power output using modified rGO-PEI and polarized PVDF. Nano Energy, 2020, 73, 104723.	16.0	40
120	A Scalable Interfacial Engineering Strategy for a Finely Tunable, Homogeneous MoS 2 /rGOâ€Based HER Catalytic Structure. Advanced Materials Interfaces, 2020, 7, 1902022.	3.7	18
121	Impact of titanate coupling agent on properties of high density polyethylene composite filled with coal gangue. Surface and Interface Analysis, 2020, 52, 645-655.	1.8	20
122	Multiple flocculant prepared with dealkalized red mud and fly ash: Properties and characterization. Journal of Water Process Engineering, 2020, 34, 101173.	5.6	15
123	Cooperation of oxygen vacancies and 2D ultrathin structure promoting CO2 photoreduction performance of Bi4Ti3O12. Science Bulletin, 2020, 65, 934-943.	9.0	151
124	Z-scheme g-C3N4/Bi2O2[BO2(OH)] heterojunction for enhanced photocatalytic CO2 reduction. Journal of Colloid and Interface Science, 2020, 568, 139-147.	9.4	65
125	Facet-charge-induced coupling dependent interfacial photocharge separation: A case of BiOI/g-C3N4 p-n junction. Applied Catalysis B: Environmental, 2020, 267, 118697.	20.2	202
126	Macroscopic Spontaneous Polarization and Surface Oxygen Vacancies Collaboratively Boosting CO₂ Photoreduction on BiOIO₃ Single Crystals. Advanced Materials, 2020, 32, e1908350.	21.0	372

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127	Porous Moâ€“C coverage on ZnO rods for enhanced supercapacitive performance. Dalton Transactions, 2020, 49, 5134-5142.	3.3	6
128	Preparation and microstructural characterization of a novel 3D printable building material composed of copper tailings and iron tailings. Construction and Building Materials, 2020, 249, 118779.	7.2	44
129	Fly ash based lightweight wall materials incorporating expanded perlite/SiO2 aerogel composite: Towards low thermal conductivity. Construction and Building Materials, 2020, 249, 118728.	7.2	43
130	Surface sites engineering on semiconductors to boost photocatalytic CO2 reduction. Nano Energy, 2020, 75, 104959.	16.0	132
131	Triboelectrically boosted SERS on sea-urchin-like gold clusters facilitated by a high dielectric substrate. Nano Energy, 2019, 64, 103959.	16.0	23
132	Bifunctional Hydrogen Production and Storage on 0Dâ€“1D Heterojunction of Cd_{0.5}Zn_{0.5}S@Halloysites. Advanced Functional Materials, 2019, 29, 1903825.	14.9	50
133	A self-powered delivery substrate boosts active enzyme delivery in response to human movements. Nanoscale, 2019, 11, 14372-14382.	5.6	15
134	An Effective Osteogenesis Porous CaP/Collagen Interface Compatible with Various Substrates Fabricated by Controlled Mineralization in a Delicately Adjustable Organic Matrix. Chemistry - A European Journal, 2019, 25, 16366-16376.	3.3	6
135	Using a Graphene-Polyelectrolyte Complex Reducing Agent To Promote Cracking in Single-Crystalline Gold Nanoplates. ACS Applied Materials & Interfaces, 2019, 11, 41602-41610.	8.0	9
136	Hierarchical hollow microcuboid LiNi0.5Mn1.5O4 as cathode material with excellent rate and cycling performance for lithium-ion batteries. Journal of Solid State Electrochemistry, 2019, 23, 2927-2935.	2.5	5
137	Ultrafine Co@nitrogen-doped carbon core-shell nanostructures anchored on carbon nanotubes for highly efficient oxygen reduction. Applied Surface Science, 2019, 494, 691-699.	6.1	24
138	Carbon-coated MoO₂ nanoclusters anchored on RGO sheets as high-performance electrodes for symmetric supercapacitors. Dalton Transactions, 2019, 48, 285-295.	3.3	28
139	Graphene quantum dots decorated ZnO-ZnFe2O4 nanocages and their visible light photocatalytic activity. Applied Surface Science, 2019, 478, 991-997.	6.1	52
140	Sn-SnO2 hybrid nanoclusters embedded in carbon nanotubes with enhanced electrochemical performance for advanced lithium ion batteries. Journal of Power Sources, 2019, 415, 126-135.	7.8	84
141	Decorating g-C₃N₄ Nanosheets with Ti₃C₂ MXene Nanoparticles for Efficient Oxygen Reduction Reaction. Langmuir, 2019, 35, 2909-2916.	3.5	109
142	Ultrathin NiMn-layered double hydroxide nanosheets coupled with Î±-Fe2O3 nanorod arrays for photoelectrochemical water splitting. Applied Surface Science, 2019, 492, 264-271.	6.1	40
143	Heterojunction structure and properties of electrospun membranes containing multiple components of Si and Bi. Materials Research Bulletin, 2019, 118, 110514.	5.2	2
144	Structural characteristics and cementitious behavior of basic oxygen furnace slag mud and electric arc furnace slag. Construction and Building Materials, 2019, 219, 11-18.	7.2	46

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145	High performance of colorimetric humidity sensors based on minerals. Chemical Physics Letters, 2019, 727, 90-94.	2.6	6
146	Unprecedented Eighteenâ€Faceted BiOCl with a Ternary Facet Junction Boosting Cascade Charge Flow and Photoâ€redox. Angewandte Chemie - International Edition, 2019, 58, 9517-9521.	13.8	230
147	Fine Co nanoparticles encapsulated in N-doped porous carbon for efficient oxygen reduction. New Journal of Chemistry, 2019, 43, 9666-9672.	2.8	5
148	Unprecedented Eighteenâ€Faceted BiOCl with a Ternary Facet Junction Boosting Cascade Charge Flow and Photoâ€redox. Angewandte Chemie, 2019, 131, 9617-9621.	2.0	21
149	Self-limiting electrode with double-carbon layers as walls for efficient sodium storage performance. Nanoscale, 2019, 11, 11025-11032.	5.6	14
150	Flexible Bi₂₀TiO₃₂/TiO₂/C electrospun membranes with excellent catalysis. Materials Research Express, 2019, 6, 086203.	1.6	2
151	Bimetallic NiCo2S4 Nanoneedles Anchored on Mesocarbon Microbeads as Advanced Electrodes for Asymmetric Supercapacitors. Nano-Micro Letters, 2019, 11, 35.	27.0	83
152	Biochar/struvite composite as a novel potential material for slow release of N and P. Environmental Science and Pollution Research, 2019, 26, 17152-17162.	5.3	20
153	Surfaceâ€Halogenationâ€Induced Atomicâ€Site Activation and Local Charge Separation for Superb CO₂ Photoreduction. Advanced Materials, 2019, 31, e1900546.	21.0	343
154	Reactive sites rich porous tubular yolk-shell g-C3N4 via precursor recrystallization mediated microstructure engineering for photoreduction. Applied Catalysis B: Environmental, 2019, 253, 196-205.	20.2	91
155	Tungsten Nitride/Carbon Cloth as Bifunctional Electrode for Effective Polysulfide Recycling. ACS Applied Energy Materials, 2019, 2, 3314-3322.	5.1	35
156	The Role of Polarization in Photocatalysis. Angewandte Chemie, 2019, 131, 10164-10176.	2.0	47
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