

# Yu Xin Zhang

## List of Publications by Year in descending order

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372  
papers

24,269  
citations

4942

84  
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11581

135  
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382  
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382  
docs citations

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times ranked

20938  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoporous Ni(OH) <sub>2</sub> Thin Film on 3D Ultrathin-Graphite Foam for Asymmetric Supercapacitor. ACS Nano, 2013, 7, 6237-6243.	7.3	1,019
2	Bridging the g-C <sub>3</sub> N <sub>4</sub> Interlayers for Enhanced Photocatalysis. ACS Catalysis, 2016, 6, 2462-2472.	5.5	869
3	MnO <sub>2</sub> -based nanostructures for high-performance supercapacitors. Journal of Materials Chemistry A, 2015, 3, 21380-21423.	5.2	817
4	An Advanced Semimetal-Organic Bi Spheres-g-C <sub>3</sub> N <sub>4</sub> Nanohybrid with SPR-Enhanced Visible-Light Photocatalytic Performance for NO Purification. Environmental Science & Technology, 2015, 49, 12432-12440.	4.6	473
5	Structural Directed Growth of Ultrathin Parallel Birnessite on $\gamma$ -MnO <sub>2</sub> for High-Performance Asymmetric Supercapacitors. ACS Nano, 2018, 12, 1033-1042.	7.3	436
6	Facile synthesis of hierarchical Co <sub>3</sub> O <sub>4</sub> @MnO <sub>2</sub> core-shell arrays on Ni foam for asymmetric supercapacitors. Journal of Power Sources, 2014, 252, 98-106.	4.0	354
7	Targeted Synthesis of Unique Nickel Sulfide (NiS, NiS <sub>2</sub> ) Microarchitectures and the Applications for the Enhanced Water Splitting System. ACS Applied Materials & Interfaces, 2017, 9, 2500-2508.	4.0	334
8	Graphene-Encapsulated Si on Ultrathin-Graphite Foam as Anode for High Capacity Lithium-Ion Batteries. Advanced Materials, 2013, 25, 4673-4677.	11.1	320
9	Self-Assembly of Mesoporous Nanotubes Assembled from Interwoven Ultrathin Birnessite-type MnO <sub>2</sub> Nanosheets for Asymmetric Supercapacitors. Scientific Reports, 2014, 4, 3878.	1.6	285
10	Synthesis of Bi <sub>2</sub> WO <sub>6</sub> with gradient oxygen vacancies for highly photocatalytic NO oxidation and mechanism study. Chemical Engineering Journal, 2019, 361, 129-138.	6.6	262
11	Progress in aqueous rechargeable batteries. Green Energy and Environment, 2018, 3, 20-41.	4.7	255
12	Ru Single Atoms on N-Doped Carbon by Spatial Confinement and Ionic Substitution Strategies for High-Performance Li-O <sub>2</sub> Batteries. Journal of the American Chemical Society, 2020, 142, 16776-16786.	6.6	230
13	Tuning MnO <sub>2</sub> to FeOOH replicas with bio-template 3D morphology as electrodes for high performance asymmetric supercapacitors. Chemical Engineering Journal, 2019, 370, 136-147.	6.6	227
14	Merging of Kirkendall Growth and Ostwald Ripening: CuO@MnO <sub>2</sub> Core-shell Architectures for Asymmetric Supercapacitors. Scientific Reports, 2014, 4, 4518.	1.6	219
15	Bi Cocatalyst/Bi <sub>2</sub> MoO <sub>6</sub> Microspheres Nanohybrid with SPR-Promoted Visible-Light Photocatalysis. Journal of Physical Chemistry C, 2016, 120, 11889-11898.	1.5	212
16	Nickel-Manganese Layered Double Hydroxide Nanosheets Supported on Nickel Foam for High-performance Supercapacitor Electrode Materials. Electrochimica Acta, 2016, 194, 179-186.	2.6	208
17	Engineering firecracker-like beta-manganese dioxides@spinel nickel cobaltates nanostructures for high-performance supercapacitors. Journal of Power Sources, 2014, 270, 426-433.	4.0	199
18	Encapsulation of zinc hexacyanoferrate nanocubes with manganese oxide nanosheets for high-performance rechargeable zinc ion batteries. Journal of Materials Chemistry A, 2017, 5, 23628-23633.	5.2	199

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19	Multifunctional Ionic Skin with Sensing, UV-Filtering, Water-Retaining, and Anti-Freezing Capabilities. <i>Advanced Functional Materials</i> , 2021, 31, 2011176.	7.8	198
20	Bi metal prevents the deactivation of oxygen vacancies in Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> for stable and efficient photocatalytic NO abatement. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118545.	10.8	197
21	Unraveling the Mechanisms of Visible Light Photocatalytic NO Purification on Earth-Abundant Insulator-Based Core-Shell Heterojunctions. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1479-1487.	4.6	192
22	Assembling a double shell on a diatomite skeleton ternary complex with conductive polypyrrole for the enhancement of supercapacitors. <i>Chemical Communications</i> , 2019, 55, 13773-13776.	2.2	182
23	Photodegradation of Benzoic Acid over Metal-Doped TiO <sub>2</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 3503-3511.	1.8	173
24	Facets and defects cooperatively promote visible light plasmonic photocatalysis with Bi nanowires@BiOCl nanosheets. <i>Journal of Catalysis</i> , 2016, 344, 401-410.	3.1	172
25	Hierarchical Cu <sub>2</sub> O/CuO/Co <sub>3</sub> O <sub>4</sub> core-shell nanowires: synthesis and electrochemical properties. <i>Nanotechnology</i> , 2015, 26, 304002.	1.3	167
26	Rational design of octahedron and nanowire CeO <sub>2</sub> @MnO <sub>2</sub> core-shell heterostructures with outstanding rate capability for asymmetric supercapacitors. <i>Chemical Communications</i> , 2015, 51, 14840-14843.	2.2	160
27	Layered manganese oxides-decorated and nickel foam-supported carbon nanotubes as advanced binder-free supercapacitor electrodes. <i>Journal of Power Sources</i> , 2014, 269, 760-767.	4.0	159
28	Promoting ring-opening efficiency for suppressing toxic intermediates during photocatalytic toluene degradation via surface oxygen vacancies. <i>Science Bulletin</i> , 2019, 64, 669-678.	4.3	159
29	Synthesis of MnO <sub>2</sub> nanosheets on montmorillonite for oxidative degradation and adsorption of methylene blue. <i>Journal of Colloid and Interface Science</i> , 2018, 510, 207-220.	5.0	158
30	Core/shell design of efficient electrocatalysts based on NiCo <sub>2</sub> O <sub>4</sub> nanowires and NiMn LDH nanosheets for rechargeable zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10243-10252.	5.2	158
31	Highly sensitive and selective acetone sensor based on C-doped WO <sub>3</sub> for potential diagnosis of diabetes mellitus. <i>Sensors and Actuators B: Chemical</i> , 2014, 199, 210-219.	4.0	154
32	Facile synthesis of ultrathin manganese dioxide nanosheets arrays on nickel foam as advanced binder-free supercapacitor electrodes. <i>Journal of Power Sources</i> , 2015, 277, 36-43.	4.0	154
33	Chemical Modifications of Layered Double Hydroxides in the Supercapacitor. <i>Energy and Environmental Materials</i> , 2020, 3, 346-379.	7.3	154
34	Advanced Graphene-Based Binder-Free Electrodes for High-Performance Energy Storage. <i>Advanced Materials</i> , 2015, 27, 5264-5279.	11.1	153
35	Development of Cobalt Hydroxide as a Bifunctional Catalyst for Oxygen Electrocatalysis in Alkaline Solution. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 12930-12936.	4.0	151
36	Morphologically confined hybridization of tiny CoNi <sub>2</sub> S <sub>4</sub> nanosheets into S, P co-doped graphene leading to enhanced pseudocapacitance and rate capability. <i>Chemical Engineering Journal</i> , 2020, 379, 122305.	6.6	148

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37	One-pot synthesis of hierarchical MnO <sub>2</sub> -modified diatomites for electrochemical capacitor electrodes. <i>Journal of Power Sources</i> , 2014, 246, 449-456.	4.0	147
38	Fabrication, modification and application of (BiO) <sub>2</sub> CO <sub>3</sub> -based photocatalysts: A review. <i>Applied Surface Science</i> , 2016, 365, 314-335.	3.1	147
39	Controlling interfacial contact and exposed facets for enhancing photocatalysis via 2D <sup>2D</sup> heterostructures. <i>Chemical Communications</i> , 2015, 51, 8249-8252.	2.2	145
40	Reactant activation and photocatalysis mechanisms on Bi-metal@Bi <sub>2</sub> GeO <sub>5</sub> with oxygen vacancies: A combined experimental and theoretical investigation. <i>Chemical Engineering Journal</i> , 2019, 370, 1366-1375.	6.6	141
41	Tunable design of layered CuCo <sub>2</sub> O <sub>4</sub> nanosheets@MnO <sub>2</sub> nanoflakes core-shell arrays on Ni foam for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21528-21536.	5.2	139
42	Defective Bi <sub>4</sub> MoO <sub>9</sub> /Bi metal core/shell heterostructure: Enhanced visible light photocatalysis and reaction mechanism. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 619-627.	10.8	139
43	A multidimensional rational design of nickel-iron sulfide and carbon nanotubes on diatomite via synergistic modulation strategy for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 799-809.	5.0	138
44	Facile synthesis of single-crystalline NiO nanosheet arrays on Ni foam for high-performance supercapacitors. <i>CrystEngComm</i> , 2014, 16, 2878-2884.	1.3	135
45	Activation of amorphous bismuth oxide via plasmonic Bi metal for efficient visible-light photocatalysis. <i>Journal of Catalysis</i> , 2017, 352, 102-112.	3.1	135
46	Optimizing the rate capability of nickel cobalt phosphide nanowires on graphene oxide by the outer/inter-component synergistic effects. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1697-1708.	5.2	135
47	Three dimensional Z-scheme (BiO) <sub>2</sub> CO <sub>3</sub> /MoS <sub>2</sub> with enhanced visible light photocatalytic NO removal. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 87-95.	10.8	133
48	Activity of Transition Metal (Manganese, Iron, Cobalt, and Nickel) Phosphates for Oxygen Electrocatalysis in Alkaline Solution. <i>ChemCatChem</i> , 2016, 8, 372-379.	1.8	127
49	KCl-mediated dual electronic channels in layered g-C <sub>3</sub> N <sub>4</sub> for enhanced visible light photocatalytic NO removal. <i>Nanoscale</i> , 2018, 10, 8066-8074.	2.8	126
50	Construction of unique cupric oxide-manganese dioxide core-shell arrays on a copper grid for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10786-10793.	5.2	125
51	Tuning parallel manganese dioxide to hollow parallel hydroxyl oxidize iron replicas for high-performance asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 812-823.	5.0	123
52	Mn and Co co-substituted Fe <sub>3</sub> O <sub>4</sub> nanoparticles on nitrogen-doped reduced graphene oxide for oxygen electrocatalysis in alkaline solution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16217-16223.	5.2	118
53	<i>In Situ</i> Activation of Nitrogen-Doped Graphene Anchored on Graphite Foam for a High-Capacity Anode. <i>ACS Nano</i> , 2015, 9, 8609-8616.	7.3	116
54	Growth of NiMn LDH nanosheet arrays on KCu <sub>7</sub> S <sub>4</sub> microwires for hybrid supercapacitors with enhanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20579-20587.	5.2	116

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55	2D-2D growth of NiFe LDH nanoflakes on montmorillonite for cationic and anionic dye adsorption performance. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 398-409.	5.0	115
56	Noble metal-free Bi nanoparticles supported on TiO <sub>2</sub> with plasmon-enhanced visible light photocatalytic air purification. <i>Environmental Science: Nano</i> , 2016, 3, 1306-1317.	2.2	114
57	Tuning the Bifunctional Oxygen Electrocatalytic Properties of Core-Shell Co <sub>3</sub> O <sub>4</sub> @NiFe LDH Catalysts for Zn-Air Batteries: Effects of Interfacial Cation Valences. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 21506-21514.	4.0	114
58	Fabrication of corrosion-resistant superhydrophobic coating on magnesium alloy by one-step electrodeposition method. <i>Journal of Magnesium and Alloys</i> , 2019, 7, 193-202.	5.5	114
59	Synthesis of porous NiCoS nanosheets with Al leaching on ordered mesoporous carbon for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 384, 123367.	6.6	112
60	Synthesis of Co <sub>3</sub> O <sub>4</sub> /SnO <sub>2</sub> @MnO <sub>2</sub> core-shell nanostructures for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12852-12857.	5.2	111
61	Low-cost high-performance asymmetric supercapacitors based on Co <sub>2</sub> AlO <sub>4</sub> @MnO <sub>2</sub> nanosheets and Fe <sub>3</sub> O <sub>4</sub> nanoflakes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2096-2104.	5.2	111
62	Polypyrrole encapsulation on flower-like porous NiO for advanced high-performance supercapacitors. <i>Chemical Communications</i> , 2015, 51, 7669-7672.	2.2	110
63	Active corrosion protection of super-hydrophobic corrosion inhibitor intercalated Mg-Al layered double hydroxide coating on AZ31 magnesium alloy. <i>Journal of Magnesium and Alloys</i> , 2020, 8, 291-300.	5.5	107
64	Synthesis of eosin modified TiO <sub>2</sub> film with co-exposed {001} and {101} facets for photocatalytic degradation of para-aminobenzoic acid and solar H <sub>2</sub> production. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118557.	10.8	106
65	MnO <sub>2</sub> nanostructures with three-dimensional (3D) morphology replicated from diatoms for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7855-7861.	5.2	105
66	Electrocatalytic hydrodechlorination of 2,4-dichlorophenol over palladium nanoparticles and its pH-mediated tug-of-war with hydrogen evolution. <i>Chemical Engineering Journal</i> , 2018, 348, 26-34.	6.6	104
67	MnO <sub>2</sub> nanorods/MXene/CC composite electrode for flexible supercapacitors with enhanced electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2019, 802, 259-268.	2.8	104
68	Tunable synthesis of hierarchical NiCo <sub>2</sub> O <sub>4</sub> nanosheets-decorated Cu/CuOx nanowires architectures for asymmetric electrochemical capacitors. <i>Journal of Power Sources</i> , 2015, 283, 270-278.	4.0	101
69	New insights into how Pd nanoparticles influence the photocatalytic oxidation and reduction ability of g-C <sub>3</sub> N <sub>4</sub> nanosheets. <i>Catalysis Science and Technology</i> , 2016, 6, 6448-6458.	2.1	101
70	Flower-like SnO <sub>2</sub> /graphene composite for high-capacity lithium storage. <i>Applied Surface Science</i> , 2012, 258, 4917-4921.	3.1	100
71	Corrosion resistance of fatty acid and fluoroalkylsilane-modified hydrophobic Mg-Al LDH films on anodized magnesium alloy. <i>Applied Surface Science</i> , 2019, 487, 569-580.	3.1	100
72	Unraveling the mechanism of binary channel reactions in photocatalytic formaldehyde decomposition for promoted mineralization. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118130.	10.8	99

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73	Optimization of Fe@Ag core-shell nanowires with improved impedance matching and microwave absorption properties. <i>Chemical Engineering Journal</i> , 2022, 430, 132878.	6.6	98
74	Morphology and crystallinity-controlled synthesis of manganese cobalt oxide/manganese dioxides hierarchical nanostructures for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2015, 296, 86-91.	4.0	93
75	A hybrid polymer/oxide/ionic-liquid solid electrolyte for Na-metal batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6424-6431.	5.2	93
76	Co-doped Ni <sub>3</sub> S <sub>2</sub> @CNT arrays anchored on graphite foam with a hierarchical conductive network for high-performance supercapacitors and hydrogen evolution electrodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10490-10496.	5.2	93
77	Highly enhanced acetone sensing performance of porous C-doped WO <sub>3</sub> hollow spheres by carbon spheres as templates. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 597-607.	4.0	92
78	Bismuth spheres assembled on graphene oxide: Directional charge transfer enhances plasmonic photocatalysis and in situ DRIFTS studies. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 482-489.	10.8	92
79	Hierarchical NiO nanoflake coated CuO flower core-shell nanostructures for supercapacitor. <i>Ceramics International</i> , 2014, 40, 5533-5538.	2.3	91
80	Template synthesis of carbon self-doped g-C <sub>3</sub> N <sub>4</sub> with enhanced visible to near-infrared absorption and photocatalytic performance. <i>RSC Advances</i> , 2015, 5, 39549-39556.	1.7	91
81	Phase and morphology evolution of CoAl LDH nanosheets towards advanced supercapacitor applications. <i>CrystEngComm</i> , 2019, 21, 4934-4942.	1.3	91
82	Engineering of three dimensional (3-D) diatom@TiO <sub>2</sub> @MnO <sub>2</sub> composites with enhanced supercapacitor performance. <i>Electrochimica Acta</i> , 2016, 190, 159-167.	2.6	89
83	Plasmonic Bi metal as cocatalyst and photocatalyst: The case of Bi/(BiO) <sub>2</sub> CO <sub>3</sub> and Bi particles. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 1-10.	5.0	89
84	Morphology-controlled MnO <sub>2</sub> modified silicon diatoms for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10856-10865.	5.2	88
85	An ultrasensitive non-enzymatic glucose sensors based on controlled petal-like CuO nanostructure. <i>Electrochimica Acta</i> , 2018, 259, 225-232.	2.6	87
86	Evaluation of MnO <sub>2</sub> -templated iron oxide-coated diatomites for their catalytic performance in heterogeneous photo Fenton-like system. <i>Journal of Hazardous Materials</i> , 2018, 344, 230-240.	6.5	87
87	Acid-salt treated CoAl layered double hydroxide nanosheets with enhanced adsorption capacity of methyl orange dye. <i>Journal of Colloid and Interface Science</i> , 2019, 548, 100-109.	5.0	86
88	Hierarchical ZnO@MnO <sub>2</sub> Core-Shell Pillar Arrays on Ni Foam for Binder-Free Supercapacitor Electrodes. <i>Electrochimica Acta</i> , 2015, 152, 172-177.	2.6	85
89	Atomic scale modulation strategies and crystal phase transition of flower-like CoAl layered double hydroxides for supercapacitors. <i>CrystEngComm</i> , 2022, 24, 2081-2088.	1.3	85
90	The importance of intermediates ring-opening in preventing photocatalyst deactivation during toluene decomposition. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118977.	10.8	84

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91	Diatom silica, an emerging biomaterial for energy conversion and storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8847-8859.	5.2	82
92	Flexible electrochemical energy storage: The role of composite materials. <i>Composites Science and Technology</i> , 2020, 192, 108102.	3.8	82
93	Fabrication of CuO nanosheets-built microtubes via Kirkendall effect for non-enzymatic glucose sensor. <i>Applied Surface Science</i> , 2019, 494, 484-491.	3.1	80
94	P-Doped NiMoO <sub>4</sub> parallel arrays anchored on cobalt carbonate hydroxide with oxygen vacancies and mass transfer channels for supercapacitors and oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19589-19596.	5.2	79
95	Synergistic integration of metallic Bi and defects on BiOI: Enhanced photocatalytic NO removal and conversion pathway. <i>Chinese Journal of Catalysis</i> , 2019, 40, 826-836.	6.9	78
96	Engineering Ultrathin Co(OH) <sub>2</sub> Nanosheets on Dandelion-like CuCo <sub>2</sub> O <sub>4</sub> Microspheres for Binder-free Supercapacitors. <i>ChemElectroChem</i> , 2017, 4, 721-727.	1.7	77
97	Hydrothermal synthesis of nanostructured graphene/polyaniline composites as high-capacitance electrode materials for supercapacitors. <i>Scientific Reports</i> , 2017, 7, 44562.	1.6	76
98	Construction of vertically aligned PPy nanosheets networks anchored on MnCo <sub>2</sub> O <sub>4</sub> nanobelts for high-performance asymmetric supercapacitor. <i>Journal of Power Sources</i> , 2018, 393, 169-176.	4.0	76
99	Low temperature and fast response hydrogen gas sensor with Pd coated SnO <sub>2</sub> nanofiber rods. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 7234-7242.	3.8	76
100	Surface oxygen-vacancy induced photocatalytic activity of La(OH) <sub>3</sub> nanorods prepared by a fast and scalable method. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16058-16066.	1.3	75
101	Highly enhanced visible-light photocatalytic NO x purification and conversion pathway on self-structurally modified g-C <sub>3</sub> N <sub>4</sub> nanosheets. <i>Science Bulletin</i> , 2018, 63, 609-620.	4.3	72
102	Direct Imaging of Isolated Single-Molecule Magnets in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 2997-3005.	6.6	71
103	The pseudocapacitance mechanism of graphene/CoAl LDH and its derivatives: Are all the modifications beneficial?. <i>Journal of Energy Chemistry</i> , 2021, 52, 218-227.	7.1	71
104	Crystal morphology evolution of Ni-Co layered double hydroxide nanostructure towards high-performance biotemplate asymmetric supercapacitors. <i>CrystEngComm</i> , 2018, 20, 7428-7434.	1.3	70
105	One-step hydrothermal synthesis of hierarchical MnO <sub>2</sub> -coated CuO flower-like nanostructures with enhanced electrochemical properties for supercapacitor. <i>Materials Letters</i> , 2013, 112, 203-206.	1.3	69
106	Facile preparation and sulfidation analysis for activated multiporous carbon@NiCo <sub>2</sub> S <sub>4</sub> nanostructure with enhanced supercapacitive properties. <i>Electrochimica Acta</i> , 2016, 211, 627-635.	2.6	69
107	Tuning the reaction pathway of photocatalytic NO oxidation process to control the secondary pollution on monodisperse Au nanoparticles@g-C <sub>3</sub> N <sub>4</sub> . <i>Chemical Engineering Journal</i> , 2019, 378, 122184.	6.6	68
108	Growth of cobalt-aluminum layered double hydroxide nanosheets on graphene oxide towards high performance supercapacitors: The important role of layer structure. <i>Applied Surface Science</i> , 2019, 496, 143700.	3.1	68



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109	Crystal structure of nickel manganese-layered double hydroxide@cobaltosic oxides on nickel foam towards high-performance supercapacitors. CrystEngComm, 2019, 21, 470-477.	1.3	68
110	Solvent-assisted synthesis of porous g-C <sub>3</sub> N <sub>4</sub> with efficient visible-light photocatalytic performance for NO removal. Chinese Journal of Catalysis, 2017, 38, 372-378.	6.9	67
111	pH-Dependent Degradation of Methylene Blue via Rational-Designed MnO <sub>2</sub> Nanosheet-Decorated Diatomites. Industrial & Engineering Chemistry Research, 2014, 53, 6966-6977.	1.8	65
112	Achieving high energy density in a 4.5 V all nitrogen-doped graphene based lithium-ion capacitor. Journal of Materials Chemistry A, 2019, 7, 19909-19921.	5.2	65
113	Pivotal roles of artificial oxygen vacancies in enhancing photocatalytic activity and selectivity on Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> nanosheets. Chinese Journal of Catalysis, 2019, 40, 620-630.	6.9	65
114	Preparation of Porous Graphene@Mn <sub>3</sub> O <sub>4</sub> and Its Application in the Oxygen Reduction Reaction and Supercapacitor. ACS Sustainable Chemistry and Engineering, 2019, 7, 831-837.	3.2	65
115	Preparation, characterization and dye adsorption of Au nanoparticles/ZnAl layered double oxides nanocomposites. Applied Surface Science, 2013, 283, 505-512.	3.1	64
116	Single Precursor Mediated-Synthesis of Bi Semimetal Deposited N-Doped (BiO) <sub>2</sub> CO <sub>3</sub> Superstructures for Highly Promoted Photocatalysis. ACS Sustainable Chemistry and Engineering, 2016, 4, 2969-2979.	3.2	64
117	Au/Metal-Organic Framework Nanocapsules for Electrochemical Determination of Glutathione. ACS Applied Nano Materials, 2021, 4, 4853-4862.	2.4	64
118	Biotemplate derived three dimensional nitrogen doped graphene@MnO <sub>2</sub> as bifunctional material for supercapacitor and oxygen reduction reaction catalyst. Journal of Colloid and Interface Science, 2019, 544, 155-163.	5.0	63
119	Electrostatic adsorbing graphene quantum dot into nickel-based layered double hydroxides: Electron absorption/donor effects enhanced oxygen electrocatalytic activity. Nano Energy, 2021, 84, 105932.	8.2	63
120	Facile synthesis of carbon-doped graphitic C <sub>3</sub> N <sub>4</sub> @MnO <sub>2</sub> with enhanced electrochemical performance. RSC Advances, 2016, 6, 83209-83216.	1.7	62
121	Light-Induced Generation and Regeneration of Oxygen Vacancies in BiSbO <sub>4</sub> for Sustainable Visible Light Photocatalysis. ACS Applied Materials & Interfaces, 2019, 11, 47984-47991.	4.0	61
122	Birnessite based nanostructures for supercapacitors: challenges, strategies and prospects. Nanoscale Advances, 2020, 2, 37-54.	2.2	61
123	Engineering active sites on nitrogen-doped carbon nanotubes/cobaltosic oxide heterostructure embedded in biotemplate for high-performance supercapacitors. Journal of Energy Storage, 2022, 53, 105094.	3.9	61
124	Mesoporous CuO@NiO micropolyhedrons: facile synthesis, morphological evolution and pseudocapacitive performance. CrystEngComm, 2014, 16, 492-498.	1.3	60
125	Graphene Oxide Enabled Flexible PEO-Based Solid Polymer Electrolyte for All-Solid-State Lithium Metal Battery. ACS Applied Energy Materials, 2021, 4, 3660-3669.	2.5	59
126	Methanolysis of ammonia borane by shape-controlled mesoporous copper nanostructures for hydrogen generation. Dalton Transactions, 2015, 44, 1070-1076.	1.6	58



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127	Carbonate-intercalated defective bismuth tungstate for efficiently photocatalytic NO removal and promotion mechanism study. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 206-213.	10.8	58
128	Rational Design of Porous MnO <sub>2</sub> Tubular Arrays via Facile and Templated Method for High Performance Supercapacitors. <i>Electrochimica Acta</i> , 2015, 154, 329-337.	2.6	56
129	An anion-exchange strategy for 3D hierarchical (BiO) <sub>2</sub> CO <sub>3</sub> /amorphous Bi <sub>2</sub> S <sub>3</sub> heterostructures with increased solar absorption and enhanced visible light photocatalysis. <i>RSC Advances</i> , 2015, 5, 11714-11723.	1.7	56
130	Few-Layered Trigonal WS <sub>2</sub> Nanosheet-Coated Graphite Foam as an Efficient Free-Standing Electrode for a Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 30591-30598.	4.0	56
131	Facile synthesis of Bi <sub>2</sub> O <sub>3</sub> and Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> nanosheets: In situ DRIFTS investigation of photocatalytic NO oxidation conversion pathway. <i>Chinese Journal of Catalysis</i> , 2017, 38, 2030-2038.	6.9	56
132	The Role of Mineral Acid Doping of PEDOT:PSS and Its Application in Organic Photovoltaics. <i>Advanced Electronic Materials</i> , 2020, 6, 1900648.	2.6	56
133	Flower-like MnO <sub>2</sub> decorated activated multihole carbon as high-performance asymmetric supercapacitor electrodes. <i>Materials Letters</i> , 2014, 135, 11-14.	1.3	55
134	Self-supporting Co <sub>3</sub> O <sub>4</sub> /Graphene Hybrid Films as Binder-free Anode Materials for Lithium Ion Batteries. <i>Scientific Reports</i> , 2018, 8, 3182.	1.6	55
135	Origin of the electrocatalytic oxygen evolution activity of nickel phosphides: in-situ electrochemical oxidation and Cr doping to achieve high performance. <i>Science Bulletin</i> , 2021, 66, 708-719.	4.3	55
136	Rational design of hierarchically porous birnessite-type manganese dioxides nanosheets on different one-dimensional titania-based nanowires for high performance supercapacitors. <i>Journal of Power Sources</i> , 2014, 270, 675-683.	4.0	54
137	Ternary Ag/AgCl/BiOIO <sub>3</sub> composites for enhanced visible-light-driven photocatalysis. <i>Chinese Journal of Catalysis</i> , 2015, 36, 2155-2163.	6.9	54
138	Rational design of coaxial mesoporous birnessite manganese dioxide/amorphous-carbon nanotubes arrays for advanced asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2015, 278, 555-561.	4.0	54
139	On-chip 3D interdigital micro-supercapacitors with ultrahigh areal energy density. <i>Energy Storage Materials</i> , 2020, 27, 17-24.	9.5	54
140	Tailoring Kirkendall Effect of the KCu <sub>7</sub> S <sub>4</sub> Microwires towards CuO@MnO <sub>2</sub> Core-Shell Nanostructures for Supercapacitors. <i>Electrochimica Acta</i> , 2015, 174, 87-92.	2.6	53
141	Rational design of microsphere and microcube MnCO <sub>3</sub> @MnO <sub>2</sub> heterostructures for supercapacitor electrodes. <i>Journal of Power Sources</i> , 2017, 353, 202-209.	4.0	53
142	Morphology Dependent Supercapacitance of Nanostructured NiCo <sub>2</sub> O <sub>4</sub> on Graphitic Carbon Nitride. <i>Electrochimica Acta</i> , 2016, 200, 239-246.	2.6	51
143	Engineering hierarchical Diatom@CuO@MnO <sub>2</sub> hybrid for high performance supercapacitor. <i>Applied Surface Science</i> , 2018, 427, 1158-1165.	3.1	51
144	Engineering birnessite-type MnO <sub>2</sub> nanosheets on fiberglass for pH-dependent degradation of methylene blue. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 83, 40-46.	1.9	50

#	ARTICLE	IF	CITATIONS
145	The interfacial mechanical properties of functionalized graphene-polymer nanocomposites. RSC Advances, 2016, 6, 66658-66664.	1.7	50
146	Flower-like NiFe layered double hydroxides coated MnO <sub>2</sub> for high-performance flexible supercapacitors. Journal of Energy Storage, 2017, 11, 242-248.	3.9	50
147	Magnetically Controllable Liquid Metal Marbles. Advanced Materials Interfaces, 2019, 6, 1901057.	1.9	50
148	Facile synthesis of CoAl-LDH/MnO <sub>2</sub> hierarchical nanocomposites for high-performance supercapacitors. Ceramics International, 2014, 40, 2115-2120.	2.3	49
149	Mesoporous Ni-Doped Bi <sub>2</sub> O <sub>3</sub> Microspheres for Enhanced Solar-Driven Photocatalysis: A Combined Experimental and Theoretical Investigation. Journal of Physical Chemistry C, 2017, 121, 9394-9401.	1.5	49
150	Double-shell Fe <sub>2</sub> O <sub>3</sub> hollow box-like structure for enhanced photo-Fenton degradation of malachite green dye. Journal of Physics and Chemistry of Solids, 2018, 112, 209-215.	1.9	49
151	Facet-dependent photocatalytic NO conversion pathways predetermined by adsorption activation patterns. Nanoscale, 2019, 11, 2366-2373.	2.8	49
152	Synergistic effect of manganese dioxide and diatomite for fast decolorization and high removal capacity of methyl orange. Journal of Colloid and Interface Science, 2016, 484, 1-9.	5.0	48
153	Efficient visible light photocatalytic NO <sub>x</sub> removal with cationic Ag clusters-grafted (BiO) <sub>2</sub> CO <sub>3</sub> hierarchical superstructures. Journal of Hazardous Materials, 2017, 322, 223-232.	6.5	48
154	Exploring the photocatalysis mechanism on insulators. Applied Catalysis B: Environmental, 2017, 219, 450-458.	10.8	48
155	One-pot controllable synthesis of flower-like CoFe <sub>2</sub> O <sub>4</sub> /FeOOH nanocomposites for high-performance supercapacitors. Materials Letters, 2014, 123, 229-234.	1.3	47
156	Facile synthesis of Co <sub>3</sub> O <sub>4</sub> @NiCo <sub>2</sub> O <sub>4</sub> core-shell arrays on Ni foam for advanced binder-free supercapacitor electrodes. Ceramics International, 2014, 40, 15641-15646.	2.3	46
157	Facile Synthesis of Flower-like (BiO) <sub>2</sub> CO <sub>3</sub> @MnO <sub>2</sub> and Bi <sub>2</sub> O <sub>3</sub> @MnO <sub>2</sub> Nanocomposites for Supercapacitors. Electrochimica Acta, 2015, 168, 97-103.	2.6	46
158	Merging of memory effect and anion intercalation: MnO <sub>x</sub> -decorated MgAl-LDO as a high-performance nano-adsorbent for the removal of methyl orange. Dalton Transactions, 2016, 45, 10530-10538.	1.6	46
159	Improving ionic/electronic conductivity of MoS <sub>2</sub> Li-ion anode via manganese doping and structural optimization. Chemical Engineering Journal, 2019, 372, 665-672.	6.6	46
160	Surface Lattice Oxygen Activation on Sr <sub>2</sub> Sb <sub>2</sub> O <sub>7</sub> Enhances the Photocatalytic Mineralization of Toluene: from Reactant Activation, Intermediate Conversion to Product Desorption. ACS Applied Materials & Interfaces, 2021, 13, 5153-5164.	4.0	46
161	The design of Co <sub>3</sub> S <sub>4</sub> @MXene heterostructure as sulfur host to promote the electrochemical kinetics for reversible magnesium-sulfur batteries. Journal of Magnesium and Alloys, 2021, 9, 78-89.	5.5	46
162	Morphology-controlled MnO <sub>2</sub> -graphene oxide-diatomaceous earth 3-dimensional (3D) composites for high-performance supercapacitors. Dalton Transactions, 2016, 45, 936-942.	1.6	45

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163	Hydroxyapatite Nanowire-Reinforced Poly(ethylene oxide)-Based Polymer Solid Electrolyte for Application in High-Temperature Lithium Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 54637-54643.	4.0	45
164	Formation of a hydrophobic and corrosion resistant coating on magnesium alloy via a one-step hydrothermal method. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 87-95.	5.0	44
165	Quasi-parallel arrays with a 2D-on-2D structure for electrochemical supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24717-24727.	5.2	44
166	Rational Design of Layered SnS <sub>2</sub> on Ultralight Graphene Fiber Fabrics as Binder-Free Anodes for Enhanced Practical Capacity of Sodium-Ion Batteries. <i>Nano-Micro Letters</i> , 2019, 11, 66.	14.4	44
167	Rational synthesis of hybrid NiCo <sub>2</sub> S <sub>4</sub> @MnO <sub>2</sub> heterostructures for supercapacitor electrodes. <i>Ceramics International</i> , 2016, 42, 8909-8914.	2.3	43
168	New insights into filamentous sludge bulking: The potential role of extracellular polymeric substances in sludge bulking in the activated sludge process. <i>Chemosphere</i> , 2020, 248, 126012.	4.2	43
169	Enhanced plasmonic photocatalysis by SiO <sub>2</sub> @Bi microspheres with hot-electron transportation channels via Bi-O-Si linkages. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1174-1183.	6.9	42
170	A bifunctional oxygen electrocatalyst from monodisperse MnCo <sub>2</sub> O <sub>4</sub> nanoparticles on nitrogen enriched carbon nanofibers. <i>RSC Advances</i> , 2014, 4, 25089-25092.	1.7	41
171	MnO <sub>2</sub> @colloid carbon spheres nanocomposites with tunable interior architecture for supercapacitors. <i>Materials Research Bulletin</i> , 2014, 49, 448-453.	2.7	41
172	Liquid-Solid-Solution Assembly of CoFe <sub>2</sub> O <sub>4</sub> /Graphene Nanocomposite as a High-Performance Lithium-Ion Battery Anode. <i>Electrochimica Acta</i> , 2016, 215, 247-252.	2.6	41
173	Simultaneous introduction of oxygen vacancies and Bi metal onto the {001} facet of Bi <sub>3</sub> O <sub>4</sub> Cl woven nanobelts for synergistically enhanced photocatalysis. <i>Nanoscale</i> , 2018, 10, 16928-16934.	2.8	41
174	Morphology-controlled synthesis of CoMoO <sub>4</sub> nanoarchitectures anchored on carbon cloth for high-efficiency oxygen oxidation reaction. <i>RSC Advances</i> , 2019, 9, 1562-1569.	1.7	41
175	Covalency Competition Induced Active Octahedral Sites in Spinel Cobaltites for Enhanced Pseudocapacitive Charge Storage. <i>Advanced Energy Materials</i> , 2022, 12, 2102053.	10.2	41
176	Gold Sponges Prepared via Hydrothermally Activated Self-Assembly of Au Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 6970-6975.	1.5	40
177	Gold(I)-Alkanethiolate Nanotubes. <i>Advanced Materials</i> , 2009, 21, 4962-4965.	11.1	40
178	MnO <sub>2</sub> -directed synthesis of NiFe-LDH@FeOOH nanosheet arrays for supercapacitor negative electrode. <i>Chinese Chemical Letters</i> , 2020, 31, 2343-2346.	4.8	40
179	Tungsten oxide-based nanomaterials for supercapacitors: Mechanism, fabrication, characterization, multifunctionality, and electrochemical performance. <i>Progress in Materials Science</i> , 2022, 130, 100978.	16.0	40
180	CoO/rGO composite prepared by a facile direct-flame approach for high-power supercapacitors. <i>Ceramics International</i> , 2018, 44, 16900-16907.	2.3	39

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181	One-step hydrothermal synthesis of Cu-doped MnO <sub>2</sub> coated diatomite for degradation of methylene blue in Fenton-like system. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 466-475.	5.0	39
182	MnO <sub>2</sub> @NiO nanosheets@nanowires hierarchical structures with enhanced supercapacitive properties. <i>Journal of Materials Science</i> , 2020, 55, 2482-2491.	1.7	39
183	Facile construction of Bi <sub>2</sub> Mo <sub>3</sub> O <sub>12</sub> @Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> heterojunctions for enhanced photocatalytic efficiency toward NO removal and study of the conversion process. <i>Chinese Journal of Catalysis</i> , 2020, 41, 268-275.	6.9	39
184	Interfacial activation of reactants and intermediates on CaSO <sub>4</sub> insulator-based heterostructure for efficient photocatalytic NO removal. <i>Chemical Engineering Journal</i> , 2020, 390, 124609.	6.6	39
185	Template-free and large-scale synthesis of hierarchical dandelion-like NiCo <sub>2</sub> O <sub>4</sub> microspheres for high-performance supercapacitors. <i>Ceramics International</i> , 2014, 40, 10005-10011.	2.3	38
186	Carbon cloth@T-Nb <sub>2</sub> O <sub>5</sub> @MnO <sub>2</sub> : A rational exploration of manganese oxide for high performance supercapacitor. <i>Electrochimica Acta</i> , 2017, 253, 311-318.	2.6	38
187	Controllable synthesis of MnO <sub>2</sub> nanostructures anchored on graphite foam with different morphologies for a high-performance asymmetric supercapacitor. <i>CrystEngComm</i> , 2018, 20, 1690-1697.	1.3	38
188	Core-Shell Structured Magnetic $\text{Fe}_2\text{O}_3$ @PANI Nanocomposites for Enhanced As(V) Adsorption. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 7554-7563.	1.8	38
189	Mechanistic understanding of ternary Ag/AgCl@La(OH) <sub>3</sub> nanorods as novel visible light plasmonic photocatalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 5003-5010.	2.1	37
190	Calcium Sulfate Hemihydrate Nanowires: One Robust Material in Separation of Water from Water-in-Oil Emulsion. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10519-10525.	4.6	37
191	Graphene oxide mediated co-generation of C-doping and oxygen defects in Bi <sub>2</sub> WO <sub>6</sub> nanosheets: a combined DRIFTS and DFT investigation. <i>Nanoscale</i> , 2019, 11, 20562-20570.	2.8	37
192	Plasma-Induced Defect Engineering and Cation Refilling of NiMoO <sub>4</sub> Parallel Arrays for Overall Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 41545-41554.	4.0	36
193	Low Carbonate Contaminative and Ultrasmall NiAl LDH Prepared by Acid Salt Treatment with High Adsorption Capacity of Methyl Orange. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 11985-11998.	1.8	35
194	Functionalized 12 $\mu\text{m}$ Polyethylene Separator to Realize Dendrite-Free Lithium Deposition toward Highly Stable Lithium-Metal Batteries. <i>Advanced Science</i> , 2022, 9, e2102215.	5.6	35
195	Controlled deposition of Au on (BiO) <sub>2</sub> CO <sub>3</sub> microspheres: the size and content of Au nanoparticles matter. <i>Dalton Transactions</i> , 2015, 44, 8805-8811.	1.6	34
196	Decoration of carbon cloth by manganese oxides for flexible asymmetric supercapacitors. <i>Ceramics International</i> , 2017, 43, 8321-8328.	2.3	34
197	Nanocarbon-Based Electrocatalysts for Rechargeable Aqueous Li/Zn-Air Batteries. <i>ChemElectroChem</i> , 2018, 5, 1745-1763.	1.7	34
198	Hierarchical copper/nickel-based manganese dioxide core-shell nanostructure for supercapacitor electrodes. <i>Electrochimica Acta</i> , 2016, 212, 671-677.	2.6	33

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199	Hierarchical Nickel Cobaltate/Manganese Dioxide Core-Shell Nanowire Arrays on Graphene-Decorated Nickel Foam for High-Performance Supercapacitors. <i>ChemElectroChem</i> , 2017, 4, 2414-2422.	1.7	33
200	PPy@NiCo <sub>2</sub> S <sub>4</sub> nanosheets anchored on graphite foam with bicontinuous conductive network for high-areal capacitance and high-rate electrodes. <i>Journal of Alloys and Compounds</i> , 2018, 747, 276-282.	2.8	33
201	Freeze-drying induced self-assembly approach for scalable constructing MoS <sub>2</sub> /graphene hybrid aerogels for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2019, 544, 37-45.	5.0	33
202	Uniform growth of NiCo <sub>2</sub> S <sub>4</sub> nanoflakes arrays on nickel foam for binder-free high-performance supercapacitors. <i>Journal of Materials Science</i> , 2019, 54, 4821-4830.	1.7	33
203	In-situ fabricating MnO <sub>2</sub> and its derived FeOOH nanostructures on mesoporous carbon towards high-performance asymmetric supercapacitor. <i>Applied Surface Science</i> , 2020, 503, 144123.	3.1	33
204	Biotemplate Synthesis of Fe <sub>3</sub> O <sub>4</sub> /Polyaniline for Supercapacitor. <i>Journal of Energy Storage</i> , 2020, 30, 101554.	3.9	33
205	MnO <sub>x</sub> -modified ZnAl-LDOs as high-performance adsorbent for the removal of methyl orange. <i>Dalton Transactions</i> , 2014, 43, 6667-6676.	1.6	32
206	Heterojunction interface of zinc oxide and zinc sulfide promoting reactive molecules activation and carrier separation toward efficient photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 826-837.	5.0	32
207	Enhanced Photocatalytic VOCs Mineralization via Special Ga-O-H Charge Transfer Channel in In <sub>2</sub> Ga <sub>2</sub> O <sub>3</sub> /MgAl-LDH Heterojunction. <i>ACS ES&amp;T Engineering</i> , 2021, 1, 501-511.	3.7	32
208	Hierarchical NiO moss decorated diatomites via facile and templated method for high performance supercapacitors. <i>Materials Letters</i> , 2014, 120, 263-266.	1.3	31
209	Graphene/Graphitized Polydopamine/Carbon Nanotube All-Carbon Ternary Composite Films with Improved Mechanical Properties and Through-Plane Thermal Conductivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 57391-57400.	4.0	31
210	A Critical Review on Nanowire-Motors: Design, Mechanism and Applications. <i>Chemical Record</i> , 2022, 22, .	2.9	31
211	SnO <sub>2</sub> nanorods grown on graphite as a high-capacity anode material for lithium ion batteries. <i>Ceramics International</i> , 2012, 38, 5145-5149.	2.3	30
212	One-pot synthesis of vanadium dioxide nanoflowers on graphene oxide. <i>Ceramics International</i> , 2016, 42, 7883-7887.	2.3	30
213	Delta manganese dioxide nanosheets decorated magnesium wire for the degradation of methyl orange. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 226-232.	5.0	30
214	Low-Charge-Carrier-Scattering Three-Dimensional In <sub>2</sub> MnO <sub>2</sub> /β <sup>2</sup> -MnO <sub>2</sub> Networks for Ultra-High-Rate Asymmetrical Supercapacitors. <i>ACS Applied Energy Materials</i> , 2019, 2, 1051-1059.	2.5	30
215	Template-Free Parallel One-Dimensional Assembly of Gold Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16812-16815.	1.2	29
216	Monodispersed plum candy-like MnO <sub>2</sub> nanosheets-decorated NiO nanostructures for supercapacitors. <i>Ceramics International</i> , 2016, 42, 7787-7792.	2.3	29

#	ARTICLE	IF	CITATIONS
217	P-doped cobalt carbonate hydroxide@NiMoO <sub>4</sub> double-shelled hierarchical nanoarrays anchored on nickel foam as a bi-functional electrode for energy storage and conversion. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 855-863.	5.0	29
218	Surfactant-Mediated Self-Assembly of Au Nanoparticles and Their Related Conversion to Complex Mesoporous Structures. <i>Langmuir</i> , 2008, 24, 3740-3746.	1.6	28
219	Facile synthesis of carbon sphere@Ni(OH) <sub>2</sub> and derivatives for high-performance supercapacitors. <i>Functional Materials Letters</i> , 2016, 09, 1642002.	0.7	28
220	MgAl layered double oxide: One powerful sweeper of emulsified water and acid for oil purification. <i>Journal of Hazardous Materials</i> , 2019, 367, 658-667.	6.5	28
221	An atomic insight into BiOBr/La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> n heterojunctions: interfacial charge transfer pathway and photocatalysis mechanism. <i>Catalysis Science and Technology</i> , 2020, 10, 826-834.	2.1	28
222	Motivated surface reaction thermodynamics on the bismuth oxyhalides with lattice strain for enhanced photocatalytic NO oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119694.	10.8	28
223	Sculpturing the Core towards Mesoporous Manganese Dioxides Nanosheets-Built Nanotubes for Pseudocapacitance. <i>Electrochimica Acta</i> , 2016, 187, 488-495.	2.6	27
224	Inhibition of the toxic byproduct during photocatalytic NO oxidation via La doping in ZnO. <i>Chinese Chemical Letters</i> , 2020, 31, 751-754.	4.8	27
225	Light-Induced Dynamic Stability of Oxygen Vacancies in BiSbO <sub>4</sub> for Efficient Photocatalytic Formaldehyde Degradation. <i>Energy and Environmental Materials</i> , 2022, 5, 305-312.	7.3	27
226	Morphology and crystallinity-controlled synthesis of etched CoAl LDO/MnO <sub>2</sub> hybrid nanoarrays towards high performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 806, 917-925.	2.8	26
227	Facile Synthesis of Manganese Cobalt Oxide/Nickel Cobalt Oxide Composites for High-Performance Supercapacitors. <i>Frontiers in Chemistry</i> , 2018, 6, 661.	1.8	26
228	Structural evolution and sulfuration of nickel cobalt hydroxides from 2D to 1D on 3D diatomite for supercapacitors. <i>CrystEngComm</i> , 2021, 23, 5636-5644.	1.3	26
229	In situ growth of Au nanoparticles on 3D Bi <sub>2</sub> O <sub>3</sub> CO <sub>3</sub> for surface plasmon enhanced visible light photocatalysis. <i>New Journal of Chemistry</i> , 2015, 39, 8446-8453.	1.4	25
230	Na-rich layered Na <sub>2</sub> Ti <sub>1-x</sub> Cr <sub>x</sub> O <sub>3</sub> (x=0, 0.06): Na-ion battery cathode materials with high capacity and long cycle life. <i>Scientific Reports</i> , 2017, 7, 373.	1.6	25
231	Etching and anti-etching strategy for sensitive colorimetric sensing of H <sub>2</sub> O <sub>2</sub> and biothiols based on silver/carbon nanomaterial. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 162, 118-125.	2.5	25
232	Hydrogen peroxide sensing in body fluids and tumor cells via in situ produced redox couples on two-dimensional holey CuCo <sub>2</sub> O <sub>4</sub> nanosheets. <i>Mikrochimica Acta</i> , 2020, 187, 469.	2.5	25
233	An urchin-like graphite-based anode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2010, 55, 5519-5522.	2.6	24
234	Birnessite MnO <sub>2</sub> -decorated hollow dandelion-like CuO architectures for supercapacitor electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 4212-4220.	1.1	24



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235	Facile synthesis of in situ phosphorus-doped g-C <sub>3</sub> N <sub>4</sub> with enhanced visible light photocatalytic property for NO purification. RSC Advances, 2016, 6, 88085-88089.	1.7	24
236	One-pot synthesis of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanospheres/diatomite composites for electrochemical capacitor electrodes. Materials Letters, 2018, 215, 23-26.	1.3	24
237	Lotus-Seedpod-Bioinspired 3D Superhydrophobic Diatomite Porous Ceramics Comodified by Graphene and Carbon Nanobelts. ACS Applied Materials & Interfaces, 2018, 10, 27416-27423.	4.0	24
238	Carbonate doped Bi <sub>2</sub> MoO <sub>6</sub> hierarchical nanostructure with enhanced transformation of active radicals for efficient photocatalytic removal of NO. Journal of Colloid and Interface Science, 2019, 557, 816-824.	5.0	24
239	Electron buffer formation through coupling thiosulfate-dependent denitratation with anammox in a single-stage sequencing batch reactor. Bioresource Technology, 2020, 312, 123560.	4.8	24
240	MESOSCALE SPHERICAL AND PLANAR ORGANIZATIONS OF GOLD NANOPARTICLES. Functional Materials Letters, 2008, 01, 43-53.	0.7	23
241	In situ DRIFT investigation on the photocatalytic NO oxidation mechanism with thermally exfoliated porous g-C <sub>3</sub> N <sub>4</sub> nanosheets. RSC Advances, 2017, 7, 19280-19287.	1.7	23
242	Roles of Alkaline Earth Ions in Garnet-type Superionic Conductors. ChemElectroChem, 2017, 4, 266-271.	1.7	23
243	Phase and morphology controlled polymorphic MnO <sub>2</sub> nanostructures for electrochemical energy storage. CrystEngComm, 2019, 21, 5322-5331.	1.3	23
244	A novel high-sensitivity non-enzymatic glucose sensor via Cu <sub>2</sub> O@CuO@NiCo <sub>2</sub> O <sub>4</sub> nanowires as catalyst. Materials Letters, 2020, 272, 127850.	1.3	23
245	Self-Assembled Au/TiO <sub>2</sub> &lt;SUB>2</SUB>/CNTs Ternary Nanocomposites for Photocatalytic Applications. Science of Advanced Materials, 2010, 2, 503-513.	0.1	23
246	Ultrafast surface modification of Ni <sub>3</sub> S <sub>2</sub> nanosheet arrays with Ni-Mn bimetallic hydroxides for high-performance supercapacitors. Scientific Reports, 2018, 8, 4478.	1.6	22
247	Design and fabrication of hydrotalcite-like ternary NiMgAl layered double hydroxide nanosheets as battery-type electrodes for high-performance supercapacitors. RSC Advances, 2019, 9, 9604-9612.	1.7	22
248	Controllable crystal growth of a NiCo-LDH nanostructure anchored onto KCu <sub>7</sub> S <sub>4</sub> nanowires <i>via</i> a facile solvothermal method for supercapacitor application. CrystEngComm, 2020, 22, 1602-1609.	1.3	22
249	Montmorillonite-Based Two-Dimensional Nanocomposites: Preparation and Applications. Molecules, 2021, 26, 2521.	1.7	22
250	Engineering one-dimensional and two-dimensional birnessite manganese dioxides on nickel foam-supported cobalt-aluminum layered double hydroxides for advanced binder-free supercapacitors. RSC Advances, 2014, 4, 63901-63908.	1.7	21
251	Electronic Coupling of Cobalt Nanoparticles to Nitrogen-Doped Graphene for Oxygen Reduction and Evolution Reactions. ChemSusChem, 2016, 9, 3067-3073.	3.6	21
252	One-pot synthesis of pearl-chain-like manganese dioxide-decorated titanium grids as advanced binder-free supercapacitors electrodes. Ceramics International, 2016, 42, 9227-9233.	2.3	21

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253	Simultaneous Pd <sup>2+</sup> doping and Pd metal deposition on (BiO) <sub>2</sub> CO <sub>3</sub> microspheres for enhanced and stable visible light photocatalysis. <i>Applied Catalysis A: General</i> , 2016, 510, 161-170.	2.2	21
254	Highly-Efficient Dendritic Cable Electrodes for Flexible Supercapacitive Fabric. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 40207-40214.	4.0	21
255	Enhanced rate capability of a lithium ion battery anode based on liquidâ€“solid-solution assembly of Fe <sub>2</sub> O <sub>3</sub> on crumpled graphene. <i>RSC Advances</i> , 2016, 6, 9007-9012.	1.7	20
256	High-surface energy enables efficient and stable photocatalytic toluene degradation via the suppression of intermediate byproducts. <i>Catalysis Science and Technology</i> , 2019, 9, 2952-2959.	2.1	20
257	Magnetic nickel chrysotile nanotubes tethered with pH-sensitive poly(methacrylic acid) brushes for Cu(II) adsorption. <i>Journal of Molecular Liquids</i> , 2019, 276, 611-623.	2.3	20
258	Structure and diversity of fungal communities in long-term copper-contaminated agricultural soil. <i>Science of the Total Environment</i> , 2022, 806, 151302.	3.9	20
259	Insights into the role of metal cation substitution on the anionic dye removal performance of CoAl-LDH. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 636, 128139.	2.3	20
260	Facile biphasic synthesis of TiO <sub>2</sub> â€“MnO <sub>2</sub> nanocomposites for photocatalysis. <i>Ceramics International</i> , 2016, 42, 19425-19428.	2.3	19
261	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> -assisted polycondensation of dicyandiamide for porous g-C <sub>3</sub> N <sub>4</sub> with enhanced photocatalytic NO removal. <i>RSC Advances</i> , 2016, 6, 96334-96338.	1.7	19
262	Catalytic activities of dissolved and Sch-immobilized Mo in H <sub>2</sub> O <sub>2</sub> decomposition: Implications for phenol oxidation under acidic conditions. <i>Applied Catalysis B: Environmental</i> , 2016, 185, 371-377.	10.8	19
263	Manganese dioxide anchored on hierarchical carbon nanotubes/graphene/diatomite conductive architecture for high performance asymmetric supercapacitor. <i>Applied Surface Science</i> , 2020, 508, 144777.	3.1	19
264	The toxicity of hexavalent chromium to soil microbial processes concerning soil properties and aging time. <i>Environmental Research</i> , 2022, 204, 111941.	3.7	19
265	2Dâ€“3D graphene-coated diatomite as a support toward growing ZnO for advanced photocatalytic degradation of methylene blue. <i>RSC Advances</i> , 2021, 11, 38505-38514.	1.7	19
266	Self-assembled spongy-like MnO <sub>2</sub> electrode materials for supercapacitors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 45, 103-108.	1.3	18
267	Facile decolorization of methylene blue by morphology-dependence $\hat{\Gamma}$ -MnO <sub>2</sub> nanosheets -modified diatomite. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 87, 196-202.	1.9	18
268	An unusual low-surface-area nitrogen doped carbon for ultrahigh gravimetric and volumetric capacitances. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8868-8873.	5.2	18
269	Coreâ€“shell (nano-SnX/nano-Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> )@C spheres (X = Se,Te) with high volumetric capacity and excellent cycle stability for lithium-ion batteries. <i>Nanoscale</i> , 2019, 11, 23268-23274.	2.8	18
270	Design of Nb <sub>2</sub> O <sub>5</sub> /graphene hybrid aerogel as polymer binder-free electrodes for lithium-ion capacitors. <i>Materials Technology</i> , 2020, 35, 625-634.	1.5	18

#	ARTICLE	IF	CITATIONS
271	Two-dimensional molybdenum carbide (MXene) as an efficient nanoadditive for achieving superlubricity under ultrahigh pressure. <i>Friction</i> , 2023, 11, 369-382.	3.4	18
272	Binder-free supercapacitive of ultrathin Co(OH) <sub>2</sub> nanosheets-decorated nitrogen-doped carbon nanotubes core-shell nanostructures. <i>Materials Technology</i> , 2016, 31, 521-525.	1.5	17
273	Facile synthesis of three-dimensional diatomite/manganese silicate nanosheet composites for enhanced Fenton-like catalytic degradation of malachite green dye. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	17
274	Lightweight, Low-Cost Co <sub>2</sub> SiO <sub>4</sub> @diatomite Core-Shell Composite Material for High-Efficiency Microwave Absorption. <i>Molecules</i> , 2022, 27, 1055.	1.7	17
275	Recent Progress in Iron-Based Microwave Absorbing Composites: A Review and Prospective. <i>Molecules</i> , 2022, 27, 4117.	1.7	17
276	Hydrothermal synthesis and characterization of graphene/self-assembled SnO <sub>2</sub> hybrid. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1931-1935.	1.3	16
277	Lithium Salt Inclusion as a Strategy for Improving the Li <sup>+</sup> Conductivity of Nafion Membranes in Aprotic Systems. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600660.	1.9	16
278	Construction of advanced 3D Co <sub>3</sub> S <sub>4</sub> @PPy nanowire anchored on nickel foam for high-performance electrochemical energy storage. <i>Electrochimica Acta</i> , 2020, 334, 135635.	2.6	16
279	Sciadopitysin suppresses RANKL-mediated osteoclastogenesis and prevents bone loss in LPS-treated mice. <i>International Immunopharmacology</i> , 2017, 49, 109-117.	1.7	16
280	Diverse birnessite MnO <sub>2</sub> nanosheets-based nanocomposites for supercapacitors. <i>Materials Letters</i> , 2016, 171, 319-322.	1.3	15
281	One-pot fabrication of N, S co-doped carbon with 3D hierarchically porous frameworks and high electron/ion transfer rate for lithium-ion batteries. <i>Chemical Engineering Science</i> , 2021, 234, 116453.	1.9	15
282	A triple-layered PPy@NiCo LDH/FeCo <sub>2</sub> O <sub>4</sub> hybrid crystalline structure with high electron conductivity and abundant interfaces for supercapacitors and oxygen evolution. <i>CrystEngComm</i> , 2021, 23, 2262-2268.	1.3	15
283	ZIFs derived multiphase CoSe <sub>2</sub> nanoboxes induced and fixed on CoAl-LDH nanoflowers for high-performance hybrid supercapacitor. <i>Chemical Engineering Science</i> , 2022, 252, 117241.	1.9	15
284	Graphene as a high-capacity anode material for lithium ion batteries. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 220-223.	0.4	14
285	Evaluation of Dewatering Performance and Fractal Characteristics of Alum Sludge. <i>PLoS ONE</i> , 2015, 10, e0130683.	1.1	14
286	Facile synthesis of Cu <sub>3</sub> Mo <sub>2</sub> O <sub>9</sub> @Ni foam nanostructures for high-performance supercapacitors. <i>Materials Technology</i> , 2016, 31, 653-657.	1.5	14
287	Facile Fabrication of NiCo <sub>2</sub> O <sub>4</sub> @g-C <sub>3</sub> N <sub>4</sub> (C) Hybrids for High-Performance Supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 73-80.	0.9	14
288	The role of morphological changes in algae adaptation to nutrient stress at the single-cell level. <i>Science of the Total Environment</i> , 2021, 754, 142076.	3.9	14

#	ARTICLE	IF	CITATIONS
289	Active Corrosion Protection of Mg-Al Layered Double Hydroxide for Magnesium Alloys: A Short Review. <i>Coatings</i> , 2021, 11, 1316.	1.2	14
290	The Protective Effects of HJB-1, a Derivative of 17-Hydroxy-Jolkinolide B, on LPS-Induced Acute Distress Respiratory Syndrome Mice. <i>Molecules</i> , 2016, 21, 77.	1.7	13
291	A general strategy for in-situ fabrication of uniform carbon nanotubes on three-dimensional carbon architectures for electrochemical application. <i>Applied Surface Science</i> , 2019, 496, 143704.	3.1	13
292	Constructing defective (BiO) <sub>2</sub> CO <sub>3</sub> with different dominated facets for efficiently photocatalytic NO oxidation and in situ reaction pathway study. <i>Applied Surface Science</i> , 2019, 498, 143848.	3.1	13
293	OH/Na co-functionalized carbon nitride: directional charge transfer and enhanced photocatalytic oxidation ability. <i>Catalysis Science and Technology</i> , 2020, 10, 529-535.	2.1	13
294	LLZO@EmimFSI@PEO derived hybrid solid electrolyte for high-energy lithium metal batteries. <i>Materials Technology</i> , 2020, 35, 618-624.	1.5	13
295	3D X-ray micro-computed tomography imaging for the microarchitecture evaluation of porous metallic implants and scaffolds. <i>Micron</i> , 2021, 142, 102994.	1.1	13
296	Unveiling the Role of Atomically Dispersed Active Sites over Amorphous Iron Oxide Supported Pt Catalysts for Complete Catalytic Ozonation of Toluene at Low Temperature. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 3881-3892.	1.8	13
297	A route for large-scale preparation of multifunctional superhydrophobic coating with electrochemically-modified kaolin for efficient corrosion protection of magnesium alloys. <i>Journal of Magnesium and Alloys</i> , 2022, 10, 3082-3099.	5.5	13
298	Enhanced Electromagnetic Wave Absorption Properties of Ultrathin MnO <sub>2</sub> Nanosheet-Decorated Spherical Flower-Shaped Carbonyl Iron Powder. <i>Molecules</i> , 2022, 27, 135.	1.7	13
299	NiFe LDH Anchoring on Fe/N-Doped Carbon Nanofibers as a Bifunctional Electrocatalyst for Rechargeable Zinc-Air Batteries. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 7523-7528.	1.8	13
300	Decoration of Cu nanowires with chemically modified TiO <sub>2</sub> nanoparticles for their improved photocatalytic performance. <i>Journal of Materials Science</i> , 2013, 48, 6728-6736.	1.7	12
301	Green synthesis of SnO <sub>2</sub> nanosheets and their electrochemical properties. <i>Ceramics International</i> , 2013, 39, 3413-3415.	2.3	12
302	Rational design of manganese dioxide decorated skeleton of colloidal mesoporous carbon nanocomposites for supercapacitors. <i>Ceramics International</i> , 2014, 40, 13381-13388.	2.3	12
303	Enhanced Visible Light Photocatalytic Activity of Br-Doped Bismuth Oxide Formate Nanosheets. <i>Molecules</i> , 2015, 20, 19189-19202.	1.7	12
304	Liquid-solid-solution assembly of morphology-controllable Fe <sub>2</sub> O <sub>3</sub> /graphene nanostructures as high-performance LIB anodes. <i>Ceramics International</i> , 2016, 42, 19006-19011.	2.3	12
305	Fabricating 3D Macroscopic Graphene-Based Architectures with Outstanding Flexibility by the Novel Liquid Drop/Colloid Flocculation Approach for Energy Storage Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 21991-22001.	4.0	12
306	Impact of Migrant Workers on Total Factor Productivity in Chinese Construction Industry. <i>Sustainability</i> , 2019, 11, 926.	1.6	12

#	ARTICLE	IF	CITATIONS
307	Simultaneous Removal of Phenol and Pb <sup>2+</sup> from the Mixed Solution by Zwitterionic Poly(sulfobetaine methacrylate)-Grafted Poly(vinylbenzyl chloride) Microspheres. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 6065-6077.	1.8	12
308	Melamine sponge derived porous carbon monoliths with NiMn oxides for high performance supercapacitor. <i>Chinese Chemical Letters</i> , 2020, 31, 2245-2248.	4.8	12
309	High-rate asymmetrical supercapacitors based on cobalt-doped birnessite nanotubes and Mn-FeOOH nanotubes. <i>Chemical Communications</i> , 2020, 56, 3257-3260.	2.2	12
310	Ni-decorated Fe-/N- co-doped carbon anchored on porous cobalt oxide nanowires arrays for efficient electrocatalytic oxygen evolution. <i>Chemical Engineering Science</i> , 2021, 243, 116774.	1.9	12
311	Transition metal carbonate anodes for Li-ion battery: fundamentals, synthesis and modification. <i>Journal of Energy Chemistry</i> , 2022, 70, 95-120.	7.1	12
312	Phoenix tree leaves-derived biomass carbons for sodium-ion batteries. <i>Functional Materials Letters</i> , 2018, 11, 1840008.	0.7	11
313	Deposition of thin $\gamma$ -MnO <sub>2</sub> functional layers on carbon foam/sulfur composites for synergistically inhibiting polysulfides shuttling and increasing sulfur utilization. <i>Electrochimica Acta</i> , 2019, 305, 247-255.	2.6	11
314	Engineering hydrogenated manganese dioxide nanostructures for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 661-670.	5.0	11
315	Hierarchical Co-doped SnS <sub>2</sub> @Ni(OH) <sub>2</sub> double-shell crystalline structure on carbon cloth with gradient pore distribution for superior capacitance. <i>CrystEngComm</i> , 2020, 22, 5067-5072.	1.3	11
316	One-step hydrothermal synthesis of flower-like SnO <sub>2</sub> /carbon nanotubes composite and its electrochemical properties. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 63, 569-572.	1.1	10
317	Facile synthesis of ATO/MnO <sub>2</sub> core-shell architectures for electrochemical capacitive energy storage. <i>Ceramics International</i> , 2014, 40, 10309-10315.	2.3	10
318	Tuned hydrothermal synthesis of vanadium dioxide nanotubes. <i>Ceramics International</i> , 2015, 41, 13967-13973.	2.3	10
319	Fabrication of mesoporous gold networks@MnO <sub>2</sub> for high-performance supercapacitors. <i>Gold Bulletin</i> , 2017, 50, 61-68.	1.1	10
320	Vertically aligned, polypyrrole encapsulated MoS <sub>2</sub> /graphene composites for high-rate LIBs anode. <i>Ceramics International</i> , 2018, 44, 7611-7617.	2.3	10
321	Neatly arranged mesoporous MnO <sub>2</sub> nanotubes with oxygen vacancies for electrochemical energy storage. <i>Dalton Transactions</i> , 2020, 49, 17552-17558.	1.6	10
322	Hydrothermally controlled synthesis of 3D dendrite MnOOH nanorods through self-assembly of MnO <sub>2</sub> nanoparticles in acid solution. <i>Physica B: Condensed Matter</i> , 2013, 416, 23-28.	1.3	9
323	Controllable synthesis of a 3D ZnS@MoO <sub>3</sub> heterojunction <i>via</i> a hydrothermal method towards efficient NO purification under visible light. <i>CrystEngComm</i> , 2020, 22, 257-266.	1.3	9
324	Pores enriched CoNiO <sub>2</sub> nanosheets on graphene hollow fibers for high performance supercapacitor-battery hybrid energy storage. <i>Electrochimica Acta</i> , 2020, 358, 136857.	2.6	9

#	ARTICLE	IF	CITATIONS
325	Synergistic Coupling of SnS <sub>2</sub> Nanosheet Arrays with Ni/Fe Dual Metal and Ru Nanodots via a Cation Exchange Strategy for Overall Water Splitting. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 382-391.	1.8	9
326	Improving the Performance of Perovskite in Nonaqueous Oxygen Electrocatalysis. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1210-1217.	1.7	8
327	Electrochemical capacitor performance of TiO <sub>2</sub> nanostructures and porous MnO <sub>2</sub> composite supported on carbon fiber paper. <i>Ceramics International</i> , 2017, 43, 10595-10600.	2.3	8
328	Morphological evolution process of $\gamma$ -MnO <sub>2</sub> from 2-D to 1-D without phase transition. <i>CrystEngComm</i> , 2019, 21, 4593-4598.	1.3	8
329	Enhanced Coagulation-Flocculation Performance of Iron-Based Coagulants: Effects of PO <sub>4</sub> <sup>3-</sup> and SiO <sub>3</sub> <sup>2-</sup> Modifiers. <i>PLoS ONE</i> , 2015, 10, e0137116.	1.1	7
330	Ag nanoparticle decorated MnO <sub>2</sub> flakes as flexible SERS substrates for rhodamine 6G detection. <i>RSC Advances</i> , 2018, 8, 37750-37756.	1.7	7
331	Editorial: Photocatalysis for Environmental Applications. <i>Frontiers in Chemistry</i> , 2019, 7, 303.	1.8	7
332	Engineering lithiophilic Ni-Al@LDH interlayers on a garnet-type electrolyte for solid-state lithium metal batteries. <i>Chemical Communications</i> , 2021, 57, 10214-10217.	2.2	7
333	Lithium metal structural battery developed with vacuum bagging. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1887-1895.	2.7	7
334	Vanadium pentoxide nanosheets with rich oxygen vacancies as a high-performance electrode for supercapacitors. <i>Ionics</i> , 2022, 28, 2931-2942.	1.2	7
335	Large-scale prepared superhydrophobic HDTMS-modified diatomite/epoxy resin composite coatings for high-performance corrosion protection of magnesium alloys. <i>Progress in Organic Coatings</i> , 2022, 170, 106999.	1.9	7
336	ONE-STEP AND CONTROLLABLE SELF-ASSEMBLY OF Au/TiO <sub>2</sub> /CARBON SPHERES TERNARY NANOCOMPOSITES WITH A NANOPARTICLE MONOSHELL WALL. <i>Nano</i> , 2012, 07, 1250025.	0.5	6
337	Templated self-assembly of Au@TiO <sub>2</sub> binary nanoparticles@nanotubes. <i>Chinese Chemical Letters</i> , 2014, 25, 874-878.	4.8	6
338	A novel electrochemical sensor based on nafion-stabilized Au(i)@alkanethiolate nanotubes modified glassy carbon electrode for the detection of Hg <sup>2+</sup> . <i>Analytical Methods</i> , 2014, 6, 4988.	1.3	6
339	Rapid oxidation-etching synthesis of low-crystalline $\gamma$ -MnO <sub>2</sub> tubular nanostructures under ambient with high capacitance. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 168-173.	5.0	6
340	Supercapacitor nanomaterials. , 2020, , 295-324.		6
341	Modulating the oxidation states in nickel@iron layered double hydroxides by natural cooling for enhanced oxygen evolution activity. <i>CrystEngComm</i> , 2022, 24, 1573-1581.	1.3	6
342	Compressible Neuron-like 3D Few-Layered MoS <sub>2</sub> /N-Doped Graphene Foam as Freestanding and Binder-Free Electrodes for High-Performance Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 7249-7259.	2.5	6



#	ARTICLE	IF	CITATIONS
343	Suspended hybrid films assembled from thiol-capped gold nanoparticles. <i>Nanoscale Research Letters</i> , 2012, 7, 295.	3.1	5
344	One-pot synthesis for Lysie-capped Au-TiO <sub>2</sub> binary nanocomposites. <i>Ceramics International</i> , 2016, 42, 19450-19453.	2.3	5
345	In-situ TEM on the coalescence of birnessite manganese dioxides nanosheets during lithiation process. <i>Materials Research Bulletin</i> , 2016, 79, 36-40.	2.7	5
346	A high-performance adsorbent of 2D Laponite in-situ coated on 3D diatomite for advanced adsorption of cationic dye. <i>Science China Technological Sciences</i> , 2022, 65, 2304-2316.	2.0	5
347	Influence of Li <sup>+</sup> /Al <sup>3+</sup> on the corrosion behavior of Li-Al layered double hydroxides (LDHs) film on LA51 magnesium alloys. <i>Journal of Magnesium and Alloys</i> , 2023, 11, 1083-1093.	5.5	5
348	Effect of different ethanol/water solvent ratios on the morphology of SnO <sub>2</sub> nanocrystals and their electrochemical properties. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 742-746.	1.9	4
349	Tunable fabrication of Au-TiO <sub>2</sub> bi-nanoparticles monolayer on graphene oxides. <i>Ceramics International</i> , 2016, 42, 16364-16367.	2.3	4
350	Non-selective synthesis and controllable transformation of parallel MnO <sub>2</sub> with hydrogen ions. <i>CrystEngComm</i> , 2020, 22, 6101-6105.	1.3	4
351	Ultra-small MnCo <sub>2</sub> O <sub>4</sub> nanocrystals decorated on nitrogen-enriched carbon nanofibers as oxygen cathode for Li-O <sub>2</sub> batteries. <i>Functional Materials Letters</i> , 2020, 13, 2051035.	0.7	4
352	Temporal delay estimation of sparse direct visual inertial odometry for mobile robots. <i>Journal of the Franklin Institute</i> , 2020, 357, 3893-3906.	1.9	4
353	Mirror-like Bright Al-Mn Coatings Electrodeposition from 1-Ethyl-3 Methylimidazolium Chloride-AlCl <sub>3</sub> -MnCl <sub>2</sub> Ionic Liquids with Pyridine Derivatives. <i>Materials</i> , 2021, 14, 6226.	1.3	4
354	Constructing a composite lithium anode for high-performance solid-state lithium-metal batteries via <i>in-situ</i> alloying reaction. <i>Functional Materials Letters</i> , 2022, 15, .	0.7	4
355	Microstructure, Electromagnetic Properties, and Microwave Absorption Mechanism of SiO <sub>2</sub> -MnO-Al <sub>2</sub> O <sub>3</sub> Based Manganese Ore Powder for Electromagnetic Protection. <i>Molecules</i> , 2022, 27, 3758.	1.7	4
356	Rational Design of an FeCo <sub>2</sub> O <sub>4</sub> @FeCoS <sub>4</sub> Heterostructure as an Efficient Bifunctional Electrocatalyst for Zn-Air Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 9742-9749.	2.5	4
357	A direct method for ultrafine gold networks with nanometre scale ligaments. <i>International Journal of Nanotechnology</i> , 2011, 8, 816.	0.1	3
358	Ultrafast synthesis of Au(I)-dodecanethiolate nanotubes for advanced Hg <sup>2+</sup> sensor electrodes. <i>Nanoscale Research Letters</i> , 2014, 9, 601.	3.1	3
359	Facile constructing ZnO/ZnCO <sub>3</sub> heterojunction for high-performance photocatalytic NO oxidation and reaction pathway study. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 4527-4534.	1.1	3
360	Compulsive malposition of birnessite slab in 2D-Parallel birnessite on $\delta$ -MnO <sub>2</sub> networks for enhanced pseudocapacitance performances. <i>Nano Materials Science</i> , 2021, 3, 404-411.	3.9	3

#	ARTICLE	IF	CITATIONS
361	Additives of Graphene Nanosheets on the Anode Performance of Spherical Natural Graphite for Lithium-Ion Batteries. <i>Nanoscience and Nanotechnology Letters</i> , 2012, 4, 191-194.	0.4	3
362	A Comparison of Exfoliation Methods on Microstructure and Electrochemical Performance of Graphene Nanosheets for Supercapacitors. <i>Journal of New Materials for Electrochemical Systems</i> , 2012, 15, 97-101.	0.3	3
363	Effects of Additives Containing Cyanopyridine on Electrodeposition of Bright Al Coatings from AlCl <sub>3</sub> -EMIC Ionic Liquids. <i>Coatings</i> , 2021, 11, 1396.	1.2	3
364	Rational structure design of FeCo-based materials as efficient electrodes for overall water-splitting. <i>Functional Materials Letters</i> , 2022, 15, .	0.7	3
365	Tuning Hierarchical Ferric Nanostructures-Decorated Diatomite for Supercapacitors. <i>Nanoscale Research Letters</i> , 2018, 13, 407.	3.1	2
366	Interfacial polygonal patterning via surfactant-mediated self-assembly of gold nanoparticles. <i>Nanoscale Research Letters</i> , 2013, 8, 436.	3.1	1
367	Materials Chemistry for Sustainability and Energy. <i>Journal of Chemistry</i> , 2014, 2014, 1-3.	0.9	1
368	Fine-scale variation of a keystone interaction: aphid-tending ants show stronger anti-herbivory effects on small leaves. <i>Arthropod-Plant Interactions</i> , 2020, 14, 357-361.	0.5	1
369	Interfacial engineered Fe <sub>2</sub> O <sub>3</sub> @FeP nanorod arrays as capacitive storage dominated and high charge transfer anode for high-rate lithium-ion batteries. <i>Surface and Coatings Technology</i> , 2021, 421, 127471.	2.2	1
370	Effects of symmetrically alternative rotating flow on flocculation. <i>Central South University</i> , 2003, 10, 338-341.	0.5	0
371	The Flocculation and Stability of TiO <sub>2</sub> Nanoparticles. <i>Advanced Materials Research</i> , 0, 548, 138-142.	0.3	0
372	Phoenix Tree Leaves-derived Biomass Carbons for Sodium-Ion Batteries. , 2021, , 135-146.		0