

Yu Xin Zhang

List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/9430653/publications.pdf](https://exaly.com/author-pdf/9430653/publications.pdf)

Version: 2024-02-01

437
papers

26,880
citations

3352

88
h-index

8416

141
g-index

449
all docs

449
docs citations

449
times ranked

22621
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoporous Ni(OH) ₂ Thin Film on 3D Ultrathin-Graphite Foam for Asymmetric Supercapacitor. ACS Nano, 2013, 7, 6237-6243.	14.9	1,037
2	Bridging the g-C ₃ N ₄ Interlayers for Enhanced Photocatalysis. ACS Catalysis, 2016, 6, 2462-2472.	11.3	943
3	MnO ₂ -based nanostructures for high-performance supercapacitors. Journal of Materials Chemistry A, 2015, 3, 21380-21423.	10.3	843
4	An Advanced Semimetal-Organic Bi Spheres-C ₃ N ₄ Nanohybrid with SPR-Enhanced Visible-Light Photocatalytic Performance for NO Purification. Environmental Science & Technology, 2015, 49, 12432-12440.	10.2	487
5	Structural Directed Growth of Ultrathin Parallel Birnessite on γ -MnO ₂ for High-Performance Asymmetric Supercapacitors. ACS Nano, 2018, 12, 1033-1042.	14.9	453
6	Facile synthesis of hierarchical Co ₃ O ₄ @MnO ₂ core-shell arrays on Ni foam for asymmetric supercapacitors. Journal of Power Sources, 2014, 252, 98-106.	7.9	363
7	Targeted Synthesis of Unique Nickel Sulfide (NiS, NiS ₂) Microarchitectures and the Applications for the Enhanced Water Splitting System. ACS Applied Materials & Interfaces, 2017, 9, 2500-2508.	8.1	358
8	Graphene-Encapsulated Si on Ultrathin-Graphite Foam as Anode for High Capacity Lithium-Ion Batteries. Advanced Materials, 2013, 25, 4673-4677.	23.6	325
9	Self-Assembly of Mesoporous Nanotubes Assembled from Interwoven Ultrathin Birnessite-type MnO ₂ Nanosheets for Asymmetric Supercapacitors. Scientific Reports, 2014, 4, 3878.	3.4	291
10	Synthesis of Bi ₂ WO ₆ with gradient oxygen vacancies for highly photocatalytic NO oxidation and mechanism study. Chemical Engineering Journal, 2019, 361, 129-138.	12.7	286
11	Progress in aqueous rechargeable batteries. Green Energy and Environment, 2018, 3, 20-41.	9.1	281
12	Ru Single Atoms on N-Doped Carbon by Spatial Confinement and Ionic Substitution Strategies for High-Performance Li-O ₂ Batteries. Journal of the American Chemical Society, 2020, 142, 16776-16786.	14.1	254
13	Tuning MnO ₂ to FeOOH replicas with bio-template 3D morphology as electrodes for high performance asymmetric supercapacitors. Chemical Engineering Journal, 2019, 370, 136-147.	12.7	248
14	Multifunctional Ionic Skin with Sensing, UV-Filtering, Water-Retaining, and Anti-Freezing Capabilities. Advanced Functional Materials, 2021, 31, 2011176.	16.0	233
15	Bi Cocatalyst/Bi ₂ MoO ₆ Microspheres Nanohybrid with SPR-Promoted Visible-Light Photocatalysis. Journal of Physical Chemistry C, 2016, 120, 11889-11898.	3.2	226
16	Merging of Kirkendall Growth and Ostwald Ripening: CuO@MnO ₂ Core-shell Architectures for Asymmetric Supercapacitors. Scientific Reports, 2014, 4, 4518.	3.4	222
17	Photocatalytic nitrogen fixation: the role of defects in photocatalysts. Journal of Materials Chemistry A, 2019, 7, 19616-19633.	10.3	218
18	Nickel-Manganese Layered Double Hydroxide Nanosheets Supported on Nickel Foam for High-performance Supercapacitor Electrode Materials. Electrochimica Acta, 2016, 194, 179-186.	5.3	217

#	ARTICLE	IF	CITATIONS
19	Bi metal prevents the deactivation of oxygen vacancies in Bi ₂ O ₂ CO ₃ for stable and efficient photocatalytic NO abatement. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118545.	20.2	216
20	Encapsulation of zinc hexacyanoferrate nanocubes with manganese oxide nanosheets for high-performance rechargeable zinc ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23628-23633.	10.3	206
21	Engineering firecracker-like beta-manganese dioxides@spinel nickel cobaltates nanostructures for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2014, 270, 426-433.	7.9	205
22	Unraveling the Mechanisms of Visible Light Photocatalytic NO Purification on Earth-Abundant Insulator-Based Core-Shell Heterojunctions. <i>Environmental Science & Technology</i> , 2018, 52, 1479-1487.	10.2	199
23	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.	4.1	198
24	Facets and defects cooperatively promote visible light plasmonic photocatalysis with Bi nanowires@BiOCl nanosheets. <i>Journal of Catalysis</i> , 2016, 344, 401-410.	6.4	177
25	Promoting ring-opening efficiency for suppressing toxic intermediates during photocatalytic toluene degradation via surface oxygen vacancies. <i>Science Bulletin</i> , 2019, 64, 669-678.	10.8	177
26	Chemical Modifications of Layered Double Hydroxides in the Supercapacitor. <i>Energy and Environmental Materials</i> , 2020, 3, 346-379.	12.9	176
27	Hierarchical Cu ₂ O/CuO/Co ₃ O ₄ core-shell nanowires: synthesis and electrochemical properties. <i>Nanotechnology</i> , 2015, 26, 304002.	2.6	175
28	Photodegradation of Benzoic Acid over Metal-Doped TiO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 3503-3511.	3.7	173
29	Synthesis of MnO ₂ nanosheets on montmorillonite for oxidative degradation and adsorption of methylene blue. <i>Journal of Colloid and Interface Science</i> , 2018, 510, 207-220.	9.5	166
30	Rational design of octahedron and nanowire CeO ₂ @MnO ₂ core-shell heterostructures with outstanding rate capability for asymmetric supercapacitors. <i>Chemical Communications</i> , 2015, 51, 14840-14843.	4.1	165
31	Highly sensitive and selective acetone sensor based on C-doped WO ₃ for potential diagnosis of diabetes mellitus. <i>Sensors and Actuators B: Chemical</i> , 2014, 199, 210-219.	7.9	160
32	Advanced Graphene-Based Binder-Free Electrodes for High-Performance Energy Storage. <i>Advanced Materials</i> , 2015, 27, 5264-5279.	23.6	160
33	Core/shell design of efficient electrocatalysts based on NiCo ₂ O ₄ nanowires and NiMn LDH nanosheets for rechargeable zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10243-10252.	10.3	160
34	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.	7.9	159
35	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.	7.9	156
36	Development of Cobalt Hydroxide as a Bifunctional Catalyst for Oxygen Electrocatalysis in Alkaline Solution. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12930-12936.	8.1	153

#	ARTICLE	IF	CITATIONS
37	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.	9.5	153
38	One-pot synthesis of hierarchical MnO ₂ -modified diatomites for electrochemical capacitor electrodes. <i>Journal of Power Sources</i> , 2014, 246, 449-456.	7.9	152
39	Fabrication, modification and application of (BiO) ₂ CO ₃ -based photocatalysts: A review. <i>Applied Surface Science</i> , 2016, 365, 314-335.	6.2	151
40	Reactant activation and photocatalysis mechanisms on Bi-metal@Bi ₂ GeO ₅ with oxygen vacancies: A combined experimental and theoretical investigation. <i>Chemical Engineering Journal</i> , 2019, 370, 1366-1375.	12.7	151
41	Morphologically confined hybridization of tiny CoNi ₂ S ₄ nanosheets into S, P co-doped graphene leading to enhanced pseudocapacitance and rate capability. <i>Chemical Engineering Journal</i> , 2020, 379, 122305.	12.7	151
42	Controlling interfacial contact and exposed facets for enhancing photocatalysis via 2D-2D heterostructures. <i>Chemical Communications</i> , 2015, 51, 8249-8252.	4.1	149
43	Defective Bi ₄ MoO ₉ /Bi metal core/shell heterostructure: Enhanced visible light photocatalysis and reaction mechanism. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 619-627.	20.2	148
44	Tunable design of layered CuCo ₂ O ₄ nanosheets@MnO ₂ nanoflakes core-shell arrays on Ni foam for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21528-21536.	10.3	143
45	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.	10.3	142
46	Activation of amorphous bismuth oxide via plasmonic Bi metal for efficient visible-light photocatalysis. <i>Journal of Catalysis</i> , 2017, 352, 102-112.	6.4	141
47	Biogeographical Differences in the Influence of Maternal Microbial Sources on the Early Successional Development of the Bovine Neonatal Gastrointestinal tract. <i>Scientific Reports</i> , 2018, 8, 3197.	3.4	140
48	Facile synthesis of single-crystalline NiO nanosheet arrays on Ni foam for high-performance supercapacitors. <i>CrystEngComm</i> , 2014, 16, 2878-2884.	2.3	139
49	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.	9.5	138
50	Three dimensional Z-scheme (BiO) ₂ CO ₃ /MoS ₂ with enhanced visible light photocatalytic NO removal. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 87-95.	20.2	134
51	Activity of Transition Metal (Manganese, Iron, Cobalt, and Nickel) Phosphates for Oxygen Electrocatalysis in Alkaline Solution. <i>ChemCatChem</i> , 2016, 8, 372-379.	3.7	133
52	KCl-mediated dual electronic channels in layered g-C ₃ N ₄ for enhanced visible light photocatalytic NO removal. <i>Nanoscale</i> , 2018, 10, 8066-8074.	5.6	132
53	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.	9.5	132
54	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.	10.3	130

#	ARTICLE	IF	CITATIONS
55	Mn and Co co-substituted Fe ₃ O ₄ nanoparticles on nitrogen-doped reduced graphene oxide for oxygen electrocatalysis in alkaline solution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16217-16223.	10.3	120
56	Tuning the Bifunctional Oxygen Electrocatalytic Properties of Core-Shell Co ₃ O ₄ @NiFe LDH Catalysts for Zn-Air Batteries: Effects of Interfacial Cation Valences. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21506-21514.	8.1	120
57	Noble metal-free Bi nanoparticles supported on TiO ₂ with plasmon-enhanced visible light photocatalytic air purification. <i>Environmental Science: Nano</i> , 2016, 3, 1306-1317.	4.1	119
58	Growth of NiMn LDH nanosheet arrays on KCu ₇ S ₄ microwires for hybrid supercapacitors with enhanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20579-20587.	10.3	118
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.	12.7	118
60	<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.	14.9	117
61	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.	13.0	117
62	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.	13.0	117
63	Polypyrrole encapsulation on flower-like porous NiO for advanced high-performance supercapacitors. <i>Chemical Communications</i> , 2015, 51, 7669-7672.	4.1	115
64	Low-cost high-performance asymmetric supercapacitors based on Co ₂ AlO ₄ @MnO ₂ nanosheets and Fe ₃ O ₄ nanoflakes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2096-2104.	10.3	115
65	Optimization of Fe@Ag core-shell nanowires with improved impedance matching and microwave absorption properties. <i>Chemical Engineering Journal</i> , 2022, 430, 132878.	12.7	115
66	Synthesis of Co ₃ O ₄ /SnO ₂ @MnO ₂ core-shell nanostructures for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12852-12857.	10.3	114
67	MnO ₂ nanorods/MXene/CC composite electrode for flexible supercapacitors with enhanced electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2019, 802, 259-268.	5.6	114
68	Synthesis of eosin modified TiO ₂ film with co-exposed {001} and {101} facets for photocatalytic degradation of para-aminobenzoic acid and solar H ₂ production. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118557.	20.2	114
69	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.	12.7	112
70	Sensitive and specific detection of clinical bacteria <i>via</i> vancomycin-modified Fe ₃ O ₄ @Au nanoparticles and aptamer-functionalized SERS tags. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3751-3761.	5.8	108
71	MnO ₂ nanostructures with three-dimensional (3D) morphology replicated from diatoms for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7855-7861.	10.3	106
72	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.	6.2	105

#	ARTICLE	IF	CITATIONS
73	Tunable synthesis of hierarchical NiCo ₂ O ₄ nanosheets-decorated Cu/CuOx nanowires architectures for asymmetric electrochemical capacitors. <i>Journal of Power Sources</i> , 2015, 283, 270-278.	7.9	103
74	New insights into how Pd nanoparticles influence the photocatalytic oxidation and reduction ability of g-C ₃ N ₄ nanosheets. <i>Catalysis Science and Technology</i> , 2016, 6, 6448-6458.	4.1	103
75	Unraveling the mechanism of binary channel reactions in photocatalytic formaldehyde decomposition for promoted mineralization. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118130.	20.2	103
76	Plasmonic Bi metal as cocatalyst and photocatalyst: The case of Bi/(BiO) ₂ CO ₃ and Bi particles. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 1-10.	9.5	102
77	Flower-like SnO ₂ /graphene composite for high-capacity lithium storage. <i>Applied Surface Science</i> , 2012, 258, 4917-4921.	6.2	101
78	A hybrid polymer/oxide/ionic-liquid solid electrolyte for Na-metal batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6424-6431.	10.3	100
79	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.	7.9	98
80	Phase and morphology evolution of CoAl LDH nanosheets towards advanced supercapacitor applications. <i>CrystEngComm</i> , 2019, 21, 4934-4942.	2.3	97
81	Hierarchical NiO nanoflake coated CuO flower core-shell nanostructures for supercapacitor. <i>Ceramics International</i> , 2014, 40, 5533-5538.	4.8	96
82	Highly enhanced acetone sensing performance of porous C-doped WO ₃ hollow spheres by carbon spheres as templates. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 597-607.	7.9	96
83	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.	9.5	96
84	Co-doped Ni ₃ S ₂ @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.	10.3	95
85	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.	20.2	95
86	The importance of intermediates ring-opening in preventing photocatalyst deactivation during toluene decomposition. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118977.	20.2	94
87	Atomic scale modulation strategies and crystal phase transition of flower-like CoAl layered double hydroxides for supercapacitors. <i>CrystEngComm</i> , 2022, 24, 2081-2088.	2.3	94
88	Template synthesis of carbon self-doped g-C ₃ N ₄ with enhanced visible to near-infrared absorption and photocatalytic performance. <i>RSC Advances</i> , 2015, 5, 39549-39556.	3.7	92
89	Morphology-controlled MnO ₂ modified silicon diatoms for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10856-10865.	10.3	91
90	Evaluation of MnO ₂ -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.	12.4	91

#	ARTICLE	IF	CITATIONS
91	Engineering of three dimensional (3-D) diatom@TiO ₂ @MnO ₂ composites with enhanced supercapacitor performance. <i>Electrochimica Acta</i> , 2016, 190, 159-167.	5.3	90
92	Flexible electrochemical energy storage: The role of composite materials. <i>Composites Science and Technology</i> , 2020, 192, 108102.	7.8	90
93	An ultrasensitive non-enzymatic glucose sensors based on controlled petal-like CuO nanostructure. <i>Electrochimica Acta</i> , 2018, 259, 225-232.	5.3	88
94	P-Doped NiMoO ₄ 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.	10.3	88
95	Hierarchical ZnO@MnO ₂ Core-Shell Pillar Arrays on Ni Foam for Binder-Free Supercapacitor Electrodes. <i>Electrochimica Acta</i> , 2015, 152, 172-177.	5.3	87
96	Fabrication of CuO nanosheets-built microtubes via Kirkendall effect for non-enzymatic glucose sensor. <i>Applied Surface Science</i> , 2019, 494, 484-491.	6.2	87
97	Diatom silica, an emerging biomaterial for energy conversion and storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8847-8859.	10.3	84
98	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.	14.2	82
99	Hydrothermal synthesis of nanostructured graphene/polyaniline composites as high-capacitance electrode materials for supercapacitors. <i>Scientific Reports</i> , 2017, 7, 44562.	3.4	81
100	Low temperature and fast response hydrogen gas sensor with Pd coated SnO ₂ nanofiber rods. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 7234-7242.	7.1	81
101	Surface oxygen-vacancy induced photocatalytic activity of La(OH) ₃ nanorods prepared by a fast and scalable method. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16058-16066.	2.8	80
102	Construction of vertically aligned PPy nanosheets networks anchored on MnCo ₂ O ₄ nanobelts for high-performance asymmetric supercapacitor. <i>Journal of Power Sources</i> , 2018, 393, 169-176.	7.9	80
103	Highly enhanced visible-light photocatalytic NO _x purification and conversion pathway on self-structurally modified g-C ₃ N ₄ nanosheets. <i>Science Bulletin</i> , 2018, 63, 609-620.	10.8	78
104	Direct Imaging of Isolated Single-Molecule Magnets in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 2997-3005.	14.1	78
105	Engineering Ultrathin Co(OH) ₂ Nanosheets on Dandelion-like CuCo ₂ O ₄ Microspheres for Binder-Free Supercapacitors. <i>ChemElectroChem</i> , 2017, 4, 721-727.	3.4	77
106	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.	18.1	76
107	Graphene Oxide Enabled Flexible PEO-Based Solid Polymer Electrolyte for All-Solid-State Lithium Metal Battery. <i>ACS Applied Energy Materials</i> , 2021, 4, 3660-3669.	5.2	75
108	Tuning the reaction pathway of photocatalytic NO oxidation process to control the secondary pollution on monodisperse Au nanoparticles@g-C ₃ N ₄ . <i>Chemical Engineering Journal</i> , 2019, 378, 122184.	12.7	74

#	ARTICLE	IF	CITATIONS
109	One-step hydrothermal synthesis of hierarchical MnO ₂ -coated CuO flower-like nanostructures with enhanced electrochemical properties for supercapacitor. <i>Materials Letters</i> , 2013, 112, 203-206.	2.6	72
110	Au/Metal-Organic Framework Nanocapsules for Electrochemical Determination of Glutathione. <i>ACS Applied Nano Materials</i> , 2021, 4, 4853-4862.	5.0	72
111	Crystal morphology evolution of Ni-Co layered double hydroxide nanostructure towards high-performance biotemplate asymmetric supercapacitors. <i>CrystEngComm</i> , 2018, 20, 7428-7434.	2.3	71
112	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.	6.2	71
113	Facile preparation and sulfidation analysis for activated multiporous carbon@NiCo ₂ S ₄ nanostructure with enhanced supercapacitive properties. <i>Electrochimica Acta</i> , 2016, 211, 627-635.	5.3	70
114	Pivotal roles of artificial oxygen vacancies in enhancing photocatalytic activity and selectivity on Bi ₂ O ₂ CO ₃ nanosheets. <i>Chinese Journal of Catalysis</i> , 2019, 40, 620-630.	14.2	70
115	Crystal structure of nickel manganese-layered double hydroxide@cobaltosic oxides on nickel foam towards high-performance supercapacitors. <i>CrystEngComm</i> , 2019, 21, 470-477.	2.3	69
116	Stereolithographic 3D Printing-Based Hierarchically Cellular Lattices for High-Performance Quasi-Solid Supercapacitor. <i>Nano-Micro Letters</i> , 2019, 11, 46.	27.2	68
117	Preparation of Porous Graphene@Mn ₃ O ₄ and Its Application in the Oxygen Reduction Reaction and Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 831-837.	6.7	68
118	Preparation, characterization and dye adsorption of Au nanoparticles/ZnAl layered double oxides nanocomposites. <i>Applied Surface Science</i> , 2013, 283, 505-512.	6.2	67
119	Achieving high energy density in a 4.5 V all nitrogen-doped graphene based lithium-ion capacitor. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19909-19921.	10.3	67
120	Carbonate-intercalated defective bismuth tungstate for efficiently photocatalytic NO removal and promotion mechanism study. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 206-213.	20.2	67
121	Electrostatic adsorbing graphene quantum dot into nickel-based layered double hydroxides: Electron absorption/donor effects enhanced oxygen electrocatalytic activity. <i>Nano Energy</i> , 2021, 84, 105932.	16.0	67
122	pH-Dependent Degradation of Methylene Blue via Rational-Designed MnO ₂ Nanosheet-Decorated Diatomites. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 6966-6977.	3.7	66
123	Single Precursor Mediated-Synthesis of Bi Semimetal Deposited N-Doped (BiO) ₂ CO ₃ Superstructures for Highly Promoted Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2969-2979.	6.7	66
124	Biotemplate derived three dimensional nitrogen doped graphene@MnO ₂ as bifunctional material for supercapacitor and oxygen reduction reaction catalyst. <i>Journal of Colloid and Interface Science</i> , 2019, 544, 155-163.	9.5	66
125	Engineering active sites on nitrogen-doped carbon nanotubes/cobaltosic oxide heterostructure embedded in biotemplate for high-performance supercapacitors. <i>Journal of Energy Storage</i> , 2022, 53, 105094.	8.2	66
126	Facile synthesis of carbon-doped graphitic C ₃ N ₄ @MnO ₂ with enhanced electrochemical performance. <i>RSC Advances</i> , 2016, 6, 83209-83216.	3.7	65

#	ARTICLE	IF	CITATIONS
127	The Role of Mineral Acid Doping of PEDOT:PSS and Its Application in Organic Photovoltaics. <i>Advanced Electronic Materials</i> , 2020, 6, 1900648.	5.3	65
128	Light-Induced Generation and Regeneration of Oxygen Vacancies in BiSbO ₄ for Sustainable Visible Light Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47984-47991.	8.1	64
129	Birnessite based nanostructures for supercapacitors: challenges, strategies and prospects. <i>Nanoscale Advances</i> , 2020, 2, 37-54.	4.5	64
130	Mesoporous CuO@NiO micropolyhedrons: facile synthesis, morphological evolution and pseudocapacitive performance. <i>CrystEngComm</i> , 2014, 16, 492-498.	2.3	63
131	Self-supporting Co ₃ O ₄ /Graphene Hybrid Films as Binder-free Anode Materials for Lithium Ion Batteries. <i>Scientific Reports</i> , 2018, 8, 3182.	3.4	60
132	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.	10.8	60
133	Methanolysis of ammonia borane by shape-controlled mesoporous copper nanostructures for hydrogen generation. <i>Dalton Transactions</i> , 2015, 44, 1070-1076.	3.3	59
134	On-chip 3D interdigital micro-supercapacitors with ultrahigh areal energy density. <i>Energy Storage Materials</i> , 2020, 27, 17-24.	18.0	58
135	Reaction-driven surface reconstruction of ZnAl ₂ O ₄ boosts the methanol selectivity in CO ₂ catalytic hydrogenation. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119700.	20.2	58
136	Ternary Ag/AgCl/BiOIO ₃ composites for enhanced visible-light-driven photocatalysis. <i>Chinese Journal of Catalysis</i> , 2015, 36, 2155-2163.	14.2	57
137	An anion-exchange strategy for 3D hierarchical (BiO) ₂ CO ₃ /amorphous Bi ₂ S ₃ heterostructures with increased solar absorption and enhanced visible light photocatalysis. <i>RSC Advances</i> , 2015, 5, 11714-11723.	3.7	57
138	Few-Layered Trigonal WS ₂ Nanosheet-Coated Graphite Foam as an Efficient Free-Standing Electrode for a Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30591-30598.	8.1	57
139	Interfacial and defect polarization in MXene-like laminated spinel for electromagnetic wave absorption application. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 813-825.	9.5	57
140	Rational Design of Porous MnO ₂ Tubular Arrays via Facile and Templated Method for High Performance Supercapacitors. <i>Electrochimica Acta</i> , 2015, 154, 329-337.	5.3	56
141	Engineering hierarchical Diatom@CuO@MnO ₂ hybrid for high performance supercapacitor. <i>Applied Surface Science</i> , 2018, 427, 1158-1165.	6.2	56
142	Magnetically Controllable Liquid Metal Marbles. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901057.	4.0	56
143	Flower-like MnO ₂ decorated activated multihole carbon as high-performance asymmetric supercapacitor electrodes. <i>Materials Letters</i> , 2014, 135, 11-14.	2.6	55
144	Tailoring Kirkendall Effect of the KCu ₇ S ₄ Microwires towards CuO@MnO ₂ Core-Shell Nanostructures for Supercapacitors. <i>Electrochimica Acta</i> , 2015, 174, 87-92.	5.3	55

#	ARTICLE	IF	CITATIONS
145	Engineering birnessite-type MnO ₂ nanosheets on fiberglass for pH-dependent degradation of methylene blue. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 83, 40-46.	4.0	55
146	Rational design of microsphere and microcube MnCO ₃ @MnO ₂ heterostructures for supercapacitor electrodes. <i>Journal of Power Sources</i> , 2017, 353, 202-209.	7.9	55
147	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.	7.9	54
148	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.	7.9	54
149	The interfacial mechanical properties of functionalized graphene-polymer nanocomposites. <i>RSC Advances</i> , 2016, 6, 66658-66664.	3.7	54
150	Exploring the photocatalysis mechanism on insulators. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 450-458.	20.2	53
151	The design of Co ₃ S ₄ @MXene heterostructure as sulfur host to promote the electrochemical kinetics for reversible magnesium-sulfur batteries. <i>Journal of Magnesium and Alloys</i> , 2021, 9, 78-89.	13.0	53
152	Morphology Dependent Supercapacitance of Nanostructured NiCo ₂ O ₄ on Graphitic Carbon Nitride. <i>Electrochimica Acta</i> , 2016, 200, 239-246.	5.3	52
153	Flower-like NiFe layered double hydroxides coated MnO ₂ for high-performance flexible supercapacitors. <i>Journal of Energy Storage</i> , 2017, 11, 242-248.	8.2	52
154	Large-scale Synthesis of Spinel Ni _x Mn _{3-3x} O ₄ Solid Solution Immobilized with Iridium Single Atoms for Efficient Alkaline Seawater Electrolysis. <i>Advanced Science</i> , 2022, 9, e2200529.	12.1	52
155	Mesoporous Ni-Doped Bi ₂ O ₃ Microspheres for Enhanced Solar-Driven Photocatalysis: A Combined Experimental and Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9394-9401.	3.2	51
156	Double-shell Fe ₂ O ₃ hollow box-like structure for enhanced photo-Fenton degradation of malachite green dye. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 112, 209-215.	4.0	51
157	Facile synthesis of CoAl-LDH/MnO ₂ hierarchical nanocomposites for high-performance supercapacitors. <i>Ceramics International</i> , 2014, 40, 2115-2120.	4.8	50
158	Efficient visible light photocatalytic NO _x removal with cationic Ag clusters-grafted (BiO) ₂ CO ₃ hierarchical superstructures. <i>Journal of Hazardous Materials</i> , 2017, 322, 223-232.	12.4	50
159	Facet-dependent photocatalytic NO conversion pathways predetermined by adsorption activation patterns. <i>Nanoscale</i> , 2019, 11, 2366-2373.	5.6	50
160	Hydroxyapatite Nanowire-Reinforced Poly(ethylene oxide)-Based Polymer Solid Electrolyte for Application in High-Temperature Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 54637-54643.	8.1	50
161	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.	9.5	49
162	Rational Design of Layered SnS ₂ 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.	27.2	49

#	ARTICLE	IF	CITATIONS
163	Surface Lattice Oxygen Activation on Sr ₂ Sb ₂ O ₇ Enhances the Photocatalytic Mineralization of Toluene: from Reactant Activation, Intermediate Conversion to Product Desorption. ACS Applied Materials & Interfaces, 2021, 13, 5153-5164.	8.1	49
164	Covalency Competition Induced Active Octahedral Sites in Spinel Cobaltites for Enhanced Pseudocapacitive Charge Storage. Advanced Energy Materials, 2022, 12, 2102053.	21.5	49
165	One-pot controllable synthesis of flower-like CoFe ₂ O ₄ /FeOOH nanocomposites for high-performance supercapacitors. Materials Letters, 2014, 123, 229-234.	2.6	48
166	Facile Synthesis of Flower-like (BiO) ₂ CO ₃ @MnO ₂ and Bi ₂ O ₃ @MnO ₂ Nanocomposites for Supercapacitors. Electrochimica Acta, 2015, 168, 97-103.	5.3	48
167	Rational synthesis of hybrid NiCo ₂ S ₄ @MnO ₂ heterostructures for supercapacitor electrodes. Ceramics International, 2016, 42, 8909-8914.	4.8	48
168	Quasi-parallel arrays with a 2D-on-2D structure for electrochemical supercapacitors. Journal of Materials Chemistry A, 2018, 6, 24717-24727.	10.3	48
169	Improving ionic/electronic conductivity of MoS ₂ Li-ion anode via manganese doping and structural optimization. Chemical Engineering Journal, 2019, 372, 665-672.	12.7	48
170	Tungsten oxide-based nanomaterials for supercapacitors: Mechanism, fabrication, characterization, multifunctionality, and electrochemical performance. Progress in Materials Science, 2022, 130, 100978.	33.2	48
171	Enhanced plasmonic photocatalysis by SiO ₂ @Bi microspheres with hot-electron transportation channels via Bi-O-Si linkages. Chinese Journal of Catalysis, 2017, 38, 1174-1183.	14.2	47
172	New insights into filamentous sludge bulking: The potential role of extracellular polymeric substances in sludge bulking in the activated sludge process. Chemosphere, 2020, 248, 126012.	8.3	47
173	Facile synthesis of Co ₃ O ₄ @NiCo ₂ O ₄ core-shell arrays on Ni foam for advanced binder-free supercapacitor electrodes. Ceramics International, 2014, 40, 15641-15646.	4.8	46
174	Merging of memory effect and anion intercalation: MnO _x -decorated MgAl-LDO as a high-performance nano-adsorbent for the removal of methyl orange. Dalton Transactions, 2016, 45, 10530-10538.	3.3	46
175	MnO ₂ -directed synthesis of NiFe-LDH@FeOOH nanosheet arrays for supercapacitor negative electrode. Chinese Chemical Letters, 2020, 31, 2343-2346.	8.9	46
176	Morphology-controlled MnO ₂ @graphene oxide@diatomaceous earth 3-dimensional (3D) composites for high-performance supercapacitors. Dalton Transactions, 2016, 45, 936-942.	3.3	45
177	Facile construction of Bi ₂ Mo ₃ O ₁₂ @Bi ₂ O ₂ CO ₃ heterojunctions for enhanced photocatalytic efficiency toward NO removal and study of the conversion process. Chinese Journal of Catalysis, 2020, 41, 268-275.	14.2	45
178	Core-Shell Structured Magnetic Fe ₃ O ₄ @PANI Nanocomposites for Enhanced As(V) Adsorption. Industrial & Engineering Chemistry Research, 2020, 59, 7554-7563.	3.7	45
179	Interfacial activation of reactants and intermediates on CaSO ₄ insulator-based heterostructure for efficient photocatalytic NO removal. Chemical Engineering Journal, 2020, 390, 124609.	12.7	44
180	Liquid-Solid-Solution Assembly of CoFe ₂ O ₄ /Graphene Nanocomposite as a High-Performance Lithium-Ion Battery Anode. Electrochimica Acta, 2016, 215, 247-252.	5.3	43

#	ARTICLE	IF	CITATIONS
181	Simultaneous introduction of oxygen vacancies and Bi metal onto the {001} facet of Bi ₃ O ₄ Cl woven nanobelts for synergistically enhanced photocatalysis. <i>Nanoscale</i> , 2018, 10, 16928-16934.	5.6	43
182	Freestanding hierarchical nickel molybdate@reduced graphene oxide@nickel aluminum layered double hydroxides nanoarrays assembled from well-aligned uniform nanosheets as binder-free electrode materials for high performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 544, 46-52.	9.5	43
183	A bifunctional oxygen electrocatalyst from monodisperse MnCo ₂ O ₄ nanoparticles on nitrogen enriched carbon nanofibers. <i>RSC Advances</i> , 2014, 4, 25089-25092.	3.7	42
184	Carbon cloth@T-Nb ₂ O ₅ @MnO ₂ : A rational exploration of manganese oxide for high performance supercapacitor. <i>Electrochimica Acta</i> , 2017, 253, 311-318.	5.3	42
185	Morphology-controlled synthesis of CoMoO ₄ nanoarchitectures anchored on carbon cloth for high-efficiency oxygen oxidation reaction. <i>RSC Advances</i> , 2019, 9, 1562-1569.	3.7	42
186	MnO ₂ @colloid carbon spheres nanocomposites with tunable interior architecture for supercapacitors. <i>Materials Research Bulletin</i> , 2014, 49, 448-453.	5.2	41
187	One-step hydrothermal synthesis of Cu-doped MnO ₂ coated diatomite for degradation of methylene blue in Fenton-like system. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 466-475.	9.5	41
188	Gold Sponges Prepared via Hydrothermally Activated Self-Assembly of Au Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 6970-6975.	3.2	40
189	Gold(I)â€“Alkanethiolate Nanotubes. <i>Advanced Materials</i> , 2009, 21, 4962-4965.	23.6	40
190	Estimating the Size of Hidden Populations Using Respondent-driven Sampling Data. <i>Epidemiology</i> , 2015, 26, 846-852.	2.9	40
191	Graphene oxide mediated co-generation of C-doping and oxygen defects in Bi ₂ WO ₆ nanosheets: a combined DRIFTS and DFT investigation. <i>Nanoscale</i> , 2019, 11, 20562-20570.	5.6	40
192	MnO ₂ @NiO nanosheets@nanowires hierarchical structures with enhanced supercapacitive properties. <i>Journal of Materials Science</i> , 2020, 55, 2482-2491.	3.7	40
193	Mechanistic understanding of ternary Ag/AgCl@La(OH) ₃ nanorods as novel visible light plasmonic photocatalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 5003-5010.	4.1	39
194	Calcium Sulfate Hemihydrate Nanowires: One Robust Material in Separation of Water from Water-in-Oil Emulsion. <i>Environmental Science & Technology</i> , 2017, 51, 10519-10525.	10.2	39
195	Template-free and large-scale synthesis of hierarchical dandelion-like NiCo ₂ O ₄ microspheres for high-performance supercapacitors. <i>Ceramics International</i> , 2014, 40, 10005-10011.	4.8	38
196	Controllable synthesis of MnO ₂ nanostructures anchored on graphite foam with different morphologies for a high-performance asymmetric supercapacitor. <i>CrystEngComm</i> , 2018, 20, 1690-1697.	2.3	38
197	Self-Regulation of Infrared Using a Liquid Crystal Mixture Doped with Pushâ€“Pull Azobenzene for Energy-Saving Smart Windows. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5028-5033.	8.1	38
198	Construction of the di(trimethylolpropane) cross linkage and the phenylnaphthalene structure coupled with selective l ² -O-4 bond cleavage for synthesizing lignin-based epoxy resins with a controlled glass transition temperature. <i>Green Chemistry</i> , 2016, 18, 6526-6535.	9.1	37

#	ARTICLE	IF	CITATIONS
199	Low Carbonate Contaminative and Ultrasmall NiAl LDH Prepared by Acid Salt Treatment with High Adsorption Capacity of Methyl Orange. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 11985-11998.	3.7	37
200	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.	9.5	37
201	Light-Induced Dynamic Stability of Oxygen Vacancies in BiSbO ₄ for Efficient Photocatalytic Formaldehyde Degradation. <i>Energy and Environmental Materials</i> , 2022, 5, 305-312.	12.9	37
202	Digital Microscale Electrochemical Energy Storage Devices for a Fully Connected and Intelligent World. <i>ACS Energy Letters</i> , 2022, 7, 267-281.	17.8	37
203	Decoration of carbon cloth by manganese oxides for flexible asymmetric supercapacitors. <i>Ceramics International</i> , 2017, 43, 8321-8328.	4.8	36
204	Immunotherapy of Malignant Glioma by Noninvasive Administration of TLR9 Agonist CpG Nano-Immuno-Adjuvant. <i>Advanced Science</i> , 2022, 9, e2103689.	12.1	36
205	A Critical Review on Nanowire-Motors: Design, Mechanism and Applications. <i>Chemical Record</i> , 2022, 22, .	6.4	36
206	Controlled deposition of Au on (BiO) ₂ CO ₃ microspheres: the size and content of Au nanoparticles matter. <i>Dalton Transactions</i> , 2015, 44, 8805-8811.	3.3	35
207	Hierarchical copper/nickel-based manganese dioxide core-shell nanostructure for supercapacitor electrodes. <i>Electrochimica Acta</i> , 2016, 212, 671-677.	5.3	35
208	Coral-Like MoS ₂ /Cu ₂ O Porous Nanohybrid with Dual-Electrocatalyst Performances. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600658.	4.0	35
209	Nanocarbon-Based Electrocatalysts for Rechargeable Aqueous Li/Zn-Air Batteries. <i>ChemElectroChem</i> , 2018, 5, 1745-1763.	3.4	35
210	Uniform growth of NiCo ₂ S ₄ nanoflakes arrays on nickel foam for binder-free high-performance supercapacitors. <i>Journal of Materials Science</i> , 2019, 54, 4821-4830.	3.7	35
211	In-situ fabricating MnO ₂ and its derived FeOOH nanostructures on mesoporous carbon towards high-performance asymmetric supercapacitor. <i>Applied Surface Science</i> , 2020, 503, 144123.	6.2	35
212	Biotemplate Synthesis of Fe ₃ O ₄ /Polyaniline for Supercapacitor. <i>Journal of Energy Storage</i> , 2020, 30, 101554.	8.2	35
213	Enhanced Photocatalytic VOCs Mineralization via Special Ga-O-H Charge Transfer Channel in Î±-Ga ₂ O ₃ /MgAl-LDH Heterojunction. <i>ACS ES&T Engineering</i> , 2021, 1, 501-511.	7.6	35
214	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.	3.4	34
215	PPy@NiCo ₂ S ₄ 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.	5.6	34
216	MnO _x -modified ZnAl-LDOs as high-performance adsorbent for the removal of methyl orange. <i>Dalton Transactions</i> , 2014, 43, 6667-6676.	3.3	33

#	ARTICLE	IF	CITATIONS
217	Improving the electrochemical performance of layered cathode oxide for sodium-ion batteries by optimizing the titanium content. <i>Journal of Colloid and Interface Science</i> , 2019, 544, 164-171.	9.5	33
218	Graphene/Graphitized Polydopamine/Carbon Nanotube All-Carbon Ternary Composite Films with Improved Mechanical Properties and Through-Plane Thermal Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57391-57400.	8.1	33
219	Low-Charge-Carrier-Scattering Three-Dimensional $\text{TiO}_2/\text{MnO}_2$ Networks for Ultra-High-Rate Asymmetrical Supercapacitors. <i>ACS Applied Energy Materials</i> , 2019, 2, 1051-1059.	5.2	32
220	An atomic insight into $\text{BiOBr}/\text{La}_2\text{Ti}_2\text{O}_7$ heterojunctions: interfacial charge transfer pathway and photocatalysis mechanism. <i>Catalysis Science and Technology</i> , 2020, 10, 826-834.	4.1	32
221	Microwave Absorption of Fe_2O_3 @diatomite Composites. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9362.	4.1	32
222	Hierarchical NiO moss decorated diatomites via facile and templated method for high performance supercapacitors. <i>Materials Letters</i> , 2014, 120, 263-266.	2.6	31
223	P-doped cobalt carbonate hydroxide@NiMoO ₄ 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.	9.5	31
224	SnO ₂ nanorods grown on graphite as a high-capacity anode material for lithium ion batteries. <i>Ceramics International</i> , 2012, 38, 5145-5149.	4.8	30
225	One-pot synthesis of vanadium dioxide nanoflowers on graphene oxide. <i>Ceramics International</i> , 2016, 42, 7883-7887.	4.8	30
226	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.	9.5	30
227	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.	20.2	30
228	Template-Free Parallel One-Dimensional Assembly of Gold Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16812-16815.	2.6	29
229	Sculpturing the Core towards Mesoporous Manganese Dioxides Nanosheets-Built Nanotubes for Pseudocapacitance. <i>Electrochimica Acta</i> , 2016, 187, 488-495.	5.3	29
230	Monodispersed plum candy-like MnO ₂ nanosheets-decorated NiO nanostructures for supercapacitors. <i>Ceramics International</i> , 2016, 42, 7787-7792.	4.8	29
231	Nickel Foam-Supported Co ₃ O ₄ Nanosheets/PPy Nanowire Heterostructure for Non-enzymatic Glucose Sensing. <i>ChemElectroChem</i> , 2017, 4, 1135-1140.	3.4	29
232	Carbonate doped Bi ₂ MoO ₆ hierarchical nanostructure with enhanced transformation of active radicals for efficient photocatalytic removal of NO. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 816-824.	9.5	29
233	Facile Synthesis of Manganese Cobalt Oxide/Nickel Cobalt Oxide Composites for High-Performance Supercapacitors. <i>Frontiers in Chemistry</i> , 2018, 6, 661.	3.6	29
234	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.	12.4	29

#	ARTICLE	IF	CITATIONS
235	Inhibition of the toxic byproduct during photocatalytic NO oxidation via La doping in ZnO. Chinese Chemical Letters, 2020, 31, 751-754.	8.9	29
236	Hydrogen peroxide sensing in body fluids and tumor cells via in situ produced redox couples on two-dimensional holey CuCo ₂ O ₄ nanosheets. Mikrochimica Acta, 2020, 187, 469.	5.1	29
237	Surfactant-Mediated Self-Assembly of Au Nanoparticles and Their Related Conversion to Complex Mesoporous Structures. Langmuir, 2008, 24, 3740-3746.	3.6	28
238	Facile synthesis of carbon sphere@Ni(OH) ₂ and derivatives for high-performance supercapacitors. Functional Materials Letters, 2016, 09, 1642002.	1.3	28
239	Morphology and crystallinity-controlled synthesis of etched CoAl LDO/MnO ₂ hybrid nanoarrays towards high performance supercapacitors. Journal of Alloys and Compounds, 2019, 806, 917-925.	5.6	28
240	Structural evolution and sulfuration of nickel cobalt hydroxides from 2D to 1D on 3D diatomite for supercapacitors. CrystEngComm, 2021, 23, 5636-5644.	2.3	28
241	Structure and diversity of fungal communities in long-term copper-contaminated agricultural soil. Science of the Total Environment, 2022, 806, 151302.	8.1	28
242	In situ growth of Au nanoparticles on 3D Bi ₂ O ₂ CO ₃ for surface plasmon enhanced visible light photocatalysis. New Journal of Chemistry, 2015, 39, 8446-8453.	2.6	27
243	Etching and anti-etching strategy for sensitive colorimetric sensing of H ₂ O ₂ and biothiols based on silver/carbon nanomaterial. Colloids and Surfaces B: Biointerfaces, 2018, 162, 118-125.	5.1	27
244	Subnanometer iron clusters confined in a porous carbon matrix for highly efficient zinc-air batteries. Nanoscale Horizons, 2020, 5, 359-365.	7.5	27
245	Birnessite MnO ₂ -decorated hollow dandelion-like CuO architectures for supercapacitor electrodes. Journal of Materials Science: Materials in Electronics, 2015, 26, 4212-4220.	2.2	26
246	Na-rich layered Na ₂ Ti _{1-x} Cr _x O ₃ (x=0, 0.06): Na-ion battery cathode materials with high capacity and long cycle life. Scientific Reports, 2017, 7, 373.	3.4	26
247	One-pot synthesis of γ -Fe ₂ O ₃ nanospheres/diatomite composites for electrochemical capacitor electrodes. Materials Letters, 2018, 215, 23-26.	2.6	26
248	Two-dimensional molybdenum carbide (MXene) as an efficient nanoadditive for achieving superlubricity under ultrahigh pressure. Friction, 2023, 11, 369-382.	6.4	26
249	Recent Progress in Iron-Based Microwave Absorbing Composites: A Review and Prospective. Molecules, 2022, 27, 4117.	3.8	26
250	Core-Shell Structured SiO ₂ @NiFe LDH Composite for Broadband Electromagnetic Wave Absorption. International Journal of Molecular Sciences, 2023, 24, 504.	4.1	26
251	Facile synthesis of in situ phosphorus-doped g-C ₃ N ₄ with enhanced visible light photocatalytic property for NO purification. RSC Advances, 2016, 6, 88085-88089.	3.7	25
252	In situ DRIFT investigation on the photocatalytic NO oxidation mechanism with thermally exfoliated porous g-C ₃ N ₄ nanosheets. RSC Advances, 2017, 7, 19280-19287.	3.7	25

#	ARTICLE	IF	CITATIONS
253	Roles of Alkaline Earth Ions in Garnet-Type Superionic Conductors. <i>ChemElectroChem</i> , 2017, 4, 266-271.	3.4	25
254	Lotus-Seedpod-Bioinspired 3D Superhydrophobic Diatomite Porous Ceramics Comodified by Graphene and Carbon Nanobelts. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27416-27423.	8.1	25
255	Phase and morphology controlled polymorphic MnO ₂ nanostructures for electrochemical energy storage. <i>CrystEngComm</i> , 2019, 21, 5322-5331.	2.3	25
256	A novel high-sensitivity non-enzymatic glucose sensor via Cu ₂ O@CuO@NiCo ₂ O ₄ nanowires as catalyst. <i>Materials Letters</i> , 2020, 272, 127850.	2.6	25
257	Electron buffer formation through coupling thiosulfate-dependent denitratation with anammox in a single-stage sequencing batch reactor. <i>Bioresource Technology</i> , 2020, 312, 123560.	9.6	25
258	An urchin-like graphite-based anode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2010, 55, 5519-5522.	5.3	24
259	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.	4.1	24
260	Design and fabrication of hydrotalcite-like ternary NiMgAl layered double hydroxide nanosheets as battery-type electrodes for high-performance supercapacitors. <i>RSC Advances</i> , 2019, 9, 9604-9612.	3.7	24
261	Controllable crystal growth of a NiCo-LDH nanostructure anchored onto K ₂ S ₄ nanowires via a facile solvothermal method for supercapacitor application. <i>CrystEngComm</i> , 2020, 22, 1602-1609.	2.3	24
262	2D-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.	3.7	24
263	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.	4.7	24
264	MESOSCALE SPHERICAL AND PLANAR ORGANIZATIONS OF GOLD NANOPARTICLES. <i>Functional Materials Letters</i> , 2008, 01, 43-53.	1.3	23
265	One-pot synthesis of pearl-chain-like manganese dioxide-decorated titanium grids as advanced binder-free supercapacitors electrodes. <i>Ceramics International</i> , 2016, 42, 9227-9233.	4.8	23
266	Ultrafast surface modification of Ni ₃ S ₂ nanosheet arrays with Ni-Mn bimetallic hydroxides for high-performance supercapacitors. <i>Scientific Reports</i> , 2018, 8, 4478.	3.4	23
267	Montmorillonite-Based Two-Dimensional Nanocomposites: Preparation and Applications. <i>Molecules</i> , 2021, 26, 2521.	3.8	23
268	Self-Assembled Au/TiO ₂ /CNTs Ternary Nanocomposites for Photocatalytic Applications. <i>Science of Advanced Materials</i> , 2010, 2, 503-513.	0.7	23
269	Simultaneous Pd ²⁺ doping and Pd metal deposition on (BiO) ₂ CO ₃ microspheres for enhanced and stable visible light photocatalysis. <i>Applied Catalysis A: General</i> , 2016, 510, 161-170.	4.5	22
270	Highly-Efficient Dendritic Cable Electrodes for Flexible Supercapacitive Fabric. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40207-40214.	8.1	22

#	ARTICLE	IF	CITATIONS
271	Effect of free foaming and pre-curing on the thermal, morphological and physical properties of reclaimed tyre rubber foam composites. <i>Journal of Cleaner Production</i> , 2019, 218, 665-672.	9.4	22
272	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.	13.0	22
273	Insights into mechanisms, kinetics and pathway of continuous visible-light photodegradation of PPCPs via porous g-C ₃ N ₄ with highly dispersed Fe(III) active sites. <i>Chemical Engineering Journal</i> , 2021, 423, 130095.	12.7	22
274	The toxicity of hexavalent chromium to soil microbial processes concerning soil properties and aging time. <i>Environmental Research</i> , 2022, 204, 111941.	7.6	22
275	Engineering one-dimensional and two-dimensional birnessite manganese dioxides on nickel foam-supported cobalt-aluminum layered double hydroxides for advanced binder-free supercapacitors. <i>RSC Advances</i> , 2014, 4, 63901-63908.	3.7	21
276	Facile decolorization of methylene blue by morphology-dependence $\hat{\Gamma}$ -MnO ₂ nanosheets -modified diatomite. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 87, 196-202.	4.0	21
277	Electronic Coupling of Cobalt Nanoparticles to Nitrogen-Doped Graphene for Oxygen Reduction and Evolution Reactions. <i>ChemSusChem</i> , 2016, 9, 3067-3073.	7.2	21
278	Thiol-Click-Chromene Ring Opening and Subsequent Cascade Nucleophilic Cyclization NIR Fluorescence Imaging Reveal High Levels of Thiol in Drug-Resistant Cells. <i>Analytical Chemistry</i> , 2020, 92, 15936-15942.	6.6	21
279	Lightweight, Low-Cost Co ₂ SiO ₄ @diatomite Core-Shell Composite Material for High-Efficiency Microwave Absorption. <i>Molecules</i> , 2022, 27, 1055.	3.8	21
280	Protective Effect of Danhong Injection on Acute Hepatic Failure Induced by Lipopolysaccharide and D-Galactosamine in Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-8.	1.2	20
281	Facile biphasic synthesis of TiO ₂ -MnO ₂ nanocomposites for photocatalysis. <i>Ceramics International</i> , 2016, 42, 19425-19428.	4.8	20
282	Enhanced rate capability of a lithium ion battery anode based on liquid-solid-solution assembly of Fe ₂ O ₃ on crumpled graphene. <i>RSC Advances</i> , 2016, 6, 9007-9012.	3.7	20
283	Catalytic activities of dissolved and Sch-immobilized Mo in H ₂ O ₂ decomposition: Implications for phenol oxidation under acidic conditions. <i>Applied Catalysis B: Environmental</i> , 2016, 185, 371-377.	20.2	20
284	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.	4.9	20
285	Manganese dioxide anchored on hierarchical carbon nanotubes/graphene/diatomite conductive architecture for high performance asymmetric supercapacitor. <i>Applied Surface Science</i> , 2020, 508, 144777.	6.2	20
286	Wetting-Induced Fabrication of Graphene Hybrid with Conducting Polymers for High-Performance Flexible Transparent Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55372-55381.	8.1	20
287	(NH ₄) ₂ SO ₄ -assisted polycondensation of dicyandiamide for porous g-C ₃ N ₄ with enhanced photocatalytic NO removal. <i>RSC Advances</i> , 2016, 6, 96334-96338.	3.7	19
288	Core-shell (nano-SnX/nano-Li ₄ Ti ₅ O ₁₂)@C spheres (X = Se,Te) with high volumetric capacity and excellent cycle stability for lithium-ion batteries. <i>Nanoscale</i> , 2019, 11, 23268-23274.	5.6	19

#	ARTICLE	IF	CITATIONS
289	Design of Nb ₂ O ₅ /graphene hybrid aerogel as polymer binder-free electrodes for lithium-ion capacitors. <i>Materials Technology</i> , 2020, 35, 625-634.	2.8	19
290	Holmium phosphate nanoparticles as negative contrast agents for high-field magnetic resonance imaging: Synthesis, magnetic relaxivity study and in vivo evaluation. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 131-140.	9.5	19
291	ZIFs derived multiphase CoSe ₂ nanoboxes induced and fixed on CoAl-LDH nanoflowers for high-performance hybrid supercapacitor. <i>Chemical Engineering Science</i> , 2022, 252, 117241.	3.9	19
292	Self-assembled spongy-like MnO ₂ electrode materials for supercapacitors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 45, 103-108.	2.8	18
293	Binder-free supercapacitive of ultrathin Co(OH) ₂ nanosheets-decorated nitrogen-doped carbon nanotubes core-shell nanostructures. <i>Materials Technology</i> , 2016, 31, 521-525.	2.8	18
294	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.	10.3	18
295	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.	1.9	18
296	Multi-scale instrumental analyses of plasticized polyhydroxyalkanoates (PHA) blended with polycaprolactone (PCL) and the effects of crosslinkers and graft copolymers. <i>RSC Advances</i> , 2019, 9, 1551-1561.	3.7	18
297	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 & Engineering Chemistry Research</i> , 2021, 60, 3881-3892.	3.7	18
298	Transition metal carbonate anodes for Li-ion battery: fundamentals, synthesis and modification. <i>Journal of Energy Chemistry</i> , 2022, 70, 95-120.	13.1	18
299	Relationships between respiratory sinus arrhythmia and stress in college students. <i>Journal of Behavioral Medicine</i> , 2020, 43, 308-317.	2.2	17
300	Construction of advanced 3D Co ₃ S ₄ @PPy nanowire anchored on nickel foam for high-performance electrochemical energy storage. <i>Electrochimica Acta</i> , 2020, 334, 135635.	5.3	17
301	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.	8.1	17
302	Convergence and Stability of a Parametric Class of Iterative Schemes for Solving Nonlinear Systems. <i>Mathematics</i> , 2021, 9, 86.	2.3	17
303	Suppressing Thermal Negative Effect and Maintaining High-Temperature Steady Electrical Performance of Triboelectric Nanogenerators by Employing Phase Change Material. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41657-41668.	8.1	17
304	Enhanced Electromagnetic Wave Absorption Properties of Ultrathin MnO ₂ Nanosheet-Decorated Spherical Flower-Shaped Carbonyl Iron Powder. <i>Molecules</i> , 2022, 27, 135.	3.8	17
305	Hydrothermal synthesis and characterization of graphene/self-assembled SnO ₂ hybrid. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1931-1935.	2.8	16
306	Evaluation of Dewatering Performance and Fractal Characteristics of Alum Sludge. <i>PLoS ONE</i> , 2015, 10, e0130683.	2.5	16

#	ARTICLE	IF	CITATIONS
307	Lithium Salt Inclusion as a Strategy for Improving the Li ⁺ Conductivity of Nafion Membranes in Aprotic Systems. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600660.	4.0	16
308	3D X-ray micro-computed tomography imaging for the microarchitecture evaluation of porous metallic implants and scaffolds. <i>Micron</i> , 2021, 142, 102994.	2.2	16
309	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.	3.9	16
310	A triple-layered PPy@NiCo LDH/FeCo ₂ O ₄ hybrid crystalline structure with high electron conductivity and abundant interfaces for supercapacitors and oxygen evolution. <i>CrystEngComm</i> , 2021, 23, 2262-2268.	2.3	16
311	Sciadopitysin suppresses RANKL-mediated osteoclastogenesis and prevents bone loss in LPS-treated mice. <i>International Immunopharmacology</i> , 2017, 49, 109-117.	3.8	16
312	Active Corrosion Protection of Mg-Al Layered Double Hydroxide for Magnesium Alloys: A Short Review. <i>Coatings</i> , 2021, 11, 1316.	2.7	16
313	Acoustic bubble for spheroid trapping, rotation, and culture: a tumor-on-a-chip platform (ABSTRACT) Tj ETQq1 1 0.784314 rgBT /Over	5.9	16
314	Mechanisms of Uptake and Membrane Curvature Generation for the Internalization of Silica Nanoparticles by Cells. <i>Nano Letters</i> , 2022, 22, 3118-3124.	9.2	16
315	Nickel Iron Layered Double Hydroxide Nanostructures Compositing with Carbonyl Iron Powder for Microwave Absorption. <i>ACS Applied Nano Materials</i> , 2023, 6, 3472-3483.	5.0	16
316	Facile synthesis of Cu ₃ Mo ₂ O ₉ @Ni foam nanostructures for high-performance supercapacitors. <i>Materials Technology</i> , 2016, 31, 653-657.	2.8	15
317	Diverse birnessite MnO ₂ nanosheets-based nanocomposites for supercapacitors. <i>Materials Letters</i> , 2016, 171, 319-322.	2.6	15
318	OH/Na co-functionalized carbon nitride: directional charge transfer and enhanced photocatalytic oxidation ability. <i>Catalysis Science and Technology</i> , 2020, 10, 529-535.	4.1	15
319	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.	1.0	14
320	Impact of Migrant Workers on Total Factor Productivity in Chinese Construction Industry. <i>Sustainability</i> , 2019, 11, 926.	3.3	14
321	Copper-phthalocyanine coordination polymer as a reusable catechol oxidase biomimetic catalyst. <i>Dalton Transactions</i> , 2019, 48, 8144-8152.	3.3	14
322	Facile Fabrication of NiCo ₂ O ₄ @g-C ₃ N ₄ (C) Hybrids for High-Performance Supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 73-80.	0.9	14
323	Synthesizing the Hard Magnetic Low-Temperature Phase of MnBi Alloy: Challenges and Prospects. <i>Jom</i> , 2020, 72, 2812-2825.	2.2	14
324	LLZO@EmimFSI@PEO derived hybrid solid electrolyte for high-energy lithium metal batteries. <i>Materials Technology</i> , 2020, 35, 618-624.	2.8	14

#	ARTICLE	IF	CITATIONS
325	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.	3.8	13
326	Structural dynamics upon photoexcitation-induced charge transfer in a dicopper(μ -disulfide) complex. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6274-6286.	2.8	13
327	Manufacture and biomimetic mineral deposition of nanoscale bioactive glasses with mesoporous structures using sol-gel methods. <i>Ceramics International</i> , 2018, 44, 17224-17229.	4.8	13
328	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.	6.2	13
329	Constructing defective (BiO) ₂ CO ₃ with different dominated facets for efficiently photocatalytic NO oxidization and in situ reaction pathway study. <i>Applied Surface Science</i> , 2019, 498, 143848.	6.2	13
330	Melamine sponge derived porous carbon monoliths with NiMn oxides for high performance supercapacitor. <i>Chinese Chemical Letters</i> , 2020, 31, 2245-2248.	8.9	13
331	Microstructure and corrosion study of Fe-based bulk metallic glass obtained by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2021, 880, 160399.	5.6	13
332	Decoration of Cu nanowires with chemically modified TiO ₂ nanoparticles for their improved photocatalytic performance. <i>Journal of Materials Science</i> , 2013, 48, 6728-6736.	3.7	12
333	Green synthesis of SnO ₂ nanosheets and their electrochemical properties. <i>Ceramics International</i> , 2013, 39, 3413-3415.	4.8	12
334	Rational design of manganese dioxide decorated skeleton of colloidal mesoporous carbon nanocomposites for supercapacitors. <i>Ceramics International</i> , 2014, 40, 13381-13388.	4.8	12
335	Enhanced Visible Light Photocatalytic Activity of Br-Doped Bismuth Oxide Formate Nanosheets. <i>Molecules</i> , 2015, 20, 19189-19202.	3.8	12
336	Identification and characterization of paternal-preferentially expressed gene NF-YC8 in maize endosperm. <i>Molecular Genetics and Genomics</i> , 2015, 290, 1819-1831.	2.1	12
337	Liquid-solid-solution assembly of morphology-controllable Fe ₂ O ₃ /graphene nanostructures as high-performance LIB anodes. <i>Ceramics International</i> , 2016, 42, 19006-19011.	4.8	12
338	Influence of SiC on phase and microstructure of ZrB ₂ powders synthesized via carbothermal reduction at different temperatures. <i>Ceramics International</i> , 2018, 44, 8795-8799.	4.8	12
339	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 & Interfaces</i> , 2018, 10, 21991-22001.	8.1	12
340	Simultaneous Removal of Phenol and Pb ²⁺ from the Mixed Solution by Zwitterionic Poly(sulfobetaine methacrylate)-Grafted Poly(vinylbenzyl chloride) Microspheres. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6065-6077.	3.7	12
341	High-rate asymmetrical supercapacitors based on cobalt-doped birnessite nanotubes and Mn-FeOOH nanotubes. <i>Chemical Communications</i> , 2020, 56, 3257-3260.	4.1	12
342	HCOOH disproportionation to MeOH promoted by molybdenum PNP complexes. <i>Chemical Science</i> , 2021, 12, 13101-13119.	7.5	12

#	ARTICLE	IF	CITATIONS
343	Vanadium pentoxide nanosheets with rich oxygen vacancies as a high-performance electrode for supercapacitors. <i>Ionics</i> , 2022, 28, 2931-2942.	2.4	12
344	Facile synthesis of a 2D multilayer core-shell MnO ₂ @LDH@MMT composite with a nanoflower shape for electromagnetic wave absorption. <i>CrystEngComm</i> , 2022, 24, 6546-6557.	2.3	12
345	Facile synthesis of ATO/MnO ₂ core-shell architectures for electrochemical capacitive energy storage. <i>Ceramics International</i> , 2014, 40, 10309-10315.	4.8	11
346	High quality self-separated GaN crystal grown on a novel nanoporous template by HVPE. <i>Scientific Reports</i> , 2018, 8, 3166.	3.4	11
347	Phoenix tree leaves-derived biomass carbons for sodium-ion batteries. <i>Functional Materials Letters</i> , 2018, 11, 1840008.	1.3	11
348	Deposition of thin γ-MnO ₂ functional layers on carbon foam/sulfur composites for synergistically inhibiting polysulfides shuttling and increasing sulfur utilization. <i>Electrochimica Acta</i> , 2019, 305, 247-255.	5.3	11
349	Engineering hydrogenated manganese dioxide nanostructures for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 661-670.	9.5	11
350	Hierarchical Co-doped SnS ₂ @Ni(OH) ₂ double-shell crystalline structure on carbon cloth with gradient pore distribution for superior capacitance. <i>CrystEngComm</i> , 2020, 22, 5067-5072.	2.3	11
351	One-step hydrothermal synthesis of flower-like SnO ₂ /carbon nanotubes composite and its electrochemical properties. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 63, 569-572.	2.3	10
352	Tuned hydrothermal synthesis of vanadium dioxide nanotubes. <i>Ceramics International</i> , 2015, 41, 13967-13973.	4.8	10
353	Fabrication of mesoporous gold networks@MnO ₂ for high-performance supercapacitors. <i>Gold Bulletin</i> , 2017, 50, 61-68.	2.3	10
354	Controllable synthesis of a 3D ZnS@MoO ₃ heterojunction <i>via</i> a hydrothermal method towards efficient NO purification under visible light. <i>CrystEngComm</i> , 2020, 22, 257-266.	2.3	10
355	Pores enriched CoNiO ₂ nanosheets on graphene hollow fibers for high performance supercapacitor-battery hybrid energy storage. <i>Electrochimica Acta</i> , 2020, 358, 136857.	5.3	10
356	Neatly arranged mesoporous MnO ₂ nanotubes with oxygen vacancies for electrochemical energy storage. <i>Dalton Transactions</i> , 2020, 49, 17552-17558.	3.3	10
357	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.	4.0	10
358	In Situ Synthesis of Heterostructured Fe@Ni Nanowires with Tunable Electromagnetic Wave Absorption Capabilities. <i>ACS Applied Nano Materials</i> , 2023, 6, 14322-14331.	5.0	10
359	Hydrothermally controlled synthesis of 3D dendrite MnOOH nanorods through self-assembly of MnO ₂ nanoparticles in acid solution. <i>Physica B: Condensed Matter</i> , 2013, 416, 23-28.	2.7	9
360	Morphological evolution process of γ-MnO ₂ from 2-D to 1-D without phase transition. <i>CrystEngComm</i> , 2019, 21, 4593-4598.	2.3	9

#	ARTICLE	IF	CITATIONS
361	Editorial: Photocatalysis for Environmental Applications. <i>Frontiers in Chemistry</i> , 2019, 7, 303.	3.6	9
362	In Situ Synthesis of C-N@NiFe ₂ O ₄ @MXene/Ni Nanocomposites for Efficient Electromagnetic Wave Absorption at an Ultralow Thickness Level. <i>Molecules</i> , 2023, 28, 233.	3.8	9
363	Core-Shell Structured Silica-Coated Iron Nanowires Composites for Enhanced Electromagnetic Wave Absorption Properties. <i>International Journal of Molecular Sciences</i> , 2023, 24, 8620.	4.1	9
364	Enhanced Coagulation-Flocculation Performance of Iron-Based Coagulants: Effects of PO ₄ ³⁻ and SiO ₃ ²⁻ Modifiers. <i>PLoS ONE</i> , 2015, 10, e0137116.	2.5	8
365	Improving the Performance of Perovskite in Nonaqueous Oxygen Electrocatalysis. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1210-1217.	3.4	8
366	Electrochemical capacitor performance of TiO ₂ nanostructures and porous MnO ₂ composite supported on carbon fiber paper. <i>Ceramics International</i> , 2017, 43, 10595-10600.	4.8	8
367	Ag nanoparticle decorated MnO ₂ flakes as flexible SERS substrates for rhodamine 6G detection. <i>RSC Advances</i> , 2018, 8, 37750-37756.	3.7	8
368	A novel electrochemical sensor based on nafion-stabilized Au(i)-alkanethiolate nanotubes modified glassy carbon electrode for the detection of Hg ²⁺ . <i>Analytical Methods</i> , 2014, 6, 4988.	2.7	7
369	Rapid oxidation-etching synthesis of low-crystalline γ -MnO ₂ tubular nanostructures under ambient with high capacitance. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 168-173.	9.5	7
370	A discursive analysis of compliance, resistance and escalation to threats in sexually exploitative interactions between offenders and male children. <i>British Journal of Social Psychology</i> , 2021, 60, 988-1011.	2.9	7
371	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.	2.3	7
372	Influence of Li ⁺ /Al ³⁺ 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.	13.0	7
373	Salicylideneaniline-based aqueous supramolecular artificial light-harvesting platforms with biocompatibility. <i>Dyes and Pigments</i> , 2022, 205, 110577.	3.8	7
374	ONE-STEP AND CONTROLLABLE SELF-ASSEMBLY OF Au/TiO ₂ /CARBON SPHERES TERNARY NANOCOMPOSITES WITH A NANOPARTICLE MONOSHELL WALL. <i>Nano</i> , 2012, 07, 1250025.	1.1	6
375	Templated self-assembly of Au-TiO ₂ binary nanoparticles-nanotubes. <i>Chinese Chemical Letters</i> , 2014, 25, 874-878.	8.9	6
376	Supercapacitor nanomaterials. , 2020, , 295-324.		6
377	A Gd-based borate-carbonate framework exhibiting a large magnetocaloric effect at a low magnetic field. <i>Dalton Transactions</i> , 2021, 50, 12831-12834.	3.3	6
378	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.	4.0	6

#	ARTICLE	IF	CITATIONS
379	Compressible Neuron-like 3D Few-Layered MoS ₂ /N-Doped Graphene Foam as Freestanding and Binder-Free Electrodes for High-Performance Lithium-Ion Batteries. ACS Applied Energy Materials, 2022, 5, 7249-7259.	5.2	6
380	Microstructure, Electromagnetic Properties, and Microwave Absorption Mechanism of SiO ₂ -MnO-Al ₂ O ₃ Based Manganese Ore Powder for Electromagnetic Protection. Molecules, 2022, 27, 3758.	3.8	6
381	MOFs-Derived Three-Phase Microspheres: Morphology Preservation and Electromagnetic Wave Absorption. Molecules, 2022, 27, 4773.	3.8	6
382	Review on Catalytic Oxidation of VOCs at Ambient Temperature. International Journal of Molecular Sciences, 2022, 23, 13739.	4.1	6
383	Biomimetic Sea Urchin-like Nano-ferrite Structures for Microwave Absorption. ACS Applied Nano Materials, 2024, 7, 3001-3011.	5.0	6
384	Suspended hybrid films assembled from thiol-capped gold nanoparticles. Nanoscale Research Letters, 2012, 7, 295.	5.8	5
385	One-pot synthesis for Lysie-capped Au-TiO ₂ binary nanocomposites. Ceramics International, 2016, 42, 19450-19453.	4.8	5
386	In-situ TEM on the coalescence of birnessite manganese dioxides nanosheets during lithiation process. Materials Research Bulletin, 2016, 79, 36-40.	5.2	5
387	Continuous solid-phase synthesis of nanostructured lithium iron phosphate powders in air. Ceramics International, 2018, 44, 8397-8402.	4.8	5
388	On the domination number of a graph and its total graph. Discrete Mathematics, Algorithms and Applications, 2020, 12, 2050068.	0.6	5
389	Temporal delay estimation of sparse direct visual inertial odometry for mobile robots. Journal of the Franklin Institute, 2020, 357, 3893-3906.	3.6	5
390	Compulsive malposition of birnessite slab in 2D-Parallel birnessite on $\hat{\Gamma}^2$ -MnO ₂ networks for enhanced pseudocapacitance performances. Nano Materials Science, 2021, 3, 404-411.	9.2	5
391	Mirror-like Bright Al-Mn Coatings Electrodeposition from 1-Ethyl-3 Methylimidazolium Chloride-AlCl ₃ -MnCl ₂ Ionic Liquids with Pyridine Derivatives. Materials, 2021, 14, 6226.	2.9	5
392	Effect of different ethanol/water solvent ratios on the morphology of SnO ₂ nanocrystals and their electrochemical properties. Materials Science in Semiconductor Processing, 2013, 16, 742-746.	4.1	4
393	Tunable fabrication of Au-TiO ₂ bi-nanoparticles monolayer on graphene oxides. Ceramics International, 2016, 42, 16364-16367.	4.8	4
394	Keeping Things on Track: School Principals as Managers. New Zealand Journal of Educational Studies, 2019, 54, 297-313.	1.1	4
395	Non-selective synthesis and controllable transformation of parallel MnO ₂ with hydrogen ions. CrystEngComm, 2020, 22, 6101-6105.	2.3	4
396	Effects of Additives Containing Cyanopyridine on Electrodeposition of Bright Al Coatings from AlCl ₃ -EMIC Ionic Liquids. Coatings, 2021, 11, 1396.	2.7	4

#	ARTICLE	IF	CITATIONS
397	Doubly Doped Mg-Al-V ₂ O ₇ Layered Double Hydroxide/Mo ₂ CT MXene Nanosheet Composites for Wear- and Corrosion-Resistant Coatings. ACS Applied Nano Materials, 2023, 6, 14308-14321.	5.0	4
398	Ni-Co hydroxalcite modified diatom to achieve corrosion inhibition and Cl ⁻ adsorption for long-term corrosion protection of steel. Corrosion Science, 2023, 225, 111589.	6.6	4
399	A direct method for ultrafine gold networks with nanometre scale ligaments. International Journal of Nanotechnology, 2011, 8, 816.	0.2	3
400	Ultrafast synthesis of Au(I)-dodecanethiolate nanotubes for advanced Hg ²⁺ sensor electrodes. Nanoscale Research Letters, 2014, 9, 601.	5.8	3
401	Voltage-regulated magnetization reversal in BNTFC/LSMO composite thin film. Applied Surface Science, 2020, 509, 144823.	6.2	3
402	Does Cooling Out Still Apply? Community Colleges and Educational Expectations. Community College Journal of Research and Practice, 2020, 44, 819-834.	1.4	3
403	Facile constructing ZnO/ZnCO ₃ heterojunction for high-performance photocatalytic NO oxidation and reaction pathway study. Journal of Materials Science: Materials in Electronics, 2020, 31, 4527-4534.	2.2	3
404	Additives of Graphene Nanosheets on the Anode Performance of Spherical Natural Graphite for Lithium-Ion Batteries. Nanoscience and Nanotechnology Letters, 2012, 4, 191-194.	0.4	3
405	A Comparison of Exfoliation Methods on Microstructure and Electrochemical Performance of Graphene Nanosheets for Supercapacitors. Journal of New Materials for Electrochemical Systems, 2012, 15, 97-101.	0.6	3
406	Chemical synthesis, inhibitory activity and molecular mechanism of 1-deoxynojirimycin chrysin as a potent α -glucosidase inhibitor. RSC Advances, 2021, 11, 38703-38711.	3.7	3
407	Pediatric apps: what are they for? A scoping review. European Journal of Pediatrics, 2022, 181, 1321-1327.	2.7	3
408	Rational structure design of FeCo-based materials as efficient electrodes for overall water-splitting. Functional Materials Letters, 2022, 15, .	1.3	3
409	Heat Transfer around and through Multiple Porous Particles. Industrial & Engineering Chemistry Research, 0, , .	3.7	3
410	Microbial-Mediated Emissions of Greenhouse Gas from Farmland Soils: A Review. Processes, 2022, 10, 2361.	2.8	3
411	Preparation and Properties of Bio-Based Attapulgite Copolymer (BAC) Sand-Fixing Material. Polymers, 2023, 15, 265.	4.5	3
412	Crystalline phase transformation of Co-MOF derivatives on ordered mesoporous carbons for high-performance supercapacitor applications. CrystEngComm, 2023, 25, 1941-1950.	2.3	3
413	Enhanced Microwave Absorption Performance of α -FeOOH Nanorods on Carbon Aerogel Powder. ACS Applied Nano Materials, 2023, 6, 20700-20709.	5.0	3
414	Three-dimensional biotemplate-loaded nickel sulfide vacancies engineered to promote the absorption of electromagnetic waves. Nanoscale, 2023, 16, 474-487.	5.6	3

#	ARTICLE	IF	CITATIONS
415	A hydrophobic phenolic polymer layer with high-flux Zn ²⁺ -specific regular channels for stabilizing aqueous zinc anodes. <i>Journal of Materials Chemistry A</i> , 2024, 12, 4666-4677.	10.3	3
416	Tuning Hierarchical Ferric Nanostructures-Decorated Diatomite for Supercapacitors. <i>Nanoscale Research Letters</i> , 2018, 13, 407.	5.8	2
417	Current Diatom Research in China. , 2019, , 43-98.		2
418	The Assessment of Physical Variables of the Soil Quality Index in the Coal Mine Spoil Depends. <i>Journal of Ecological Engineering</i> , 2021, 22, 143-150.	1.2	2
419	Insecticide Use and Application in Cameroon. , 0, , .		2
420	Diatomite-like KFeS ₂ for Use in High-Performance Electrodes for Energy Storage and Oxygen Evolution. <i>Nanomaterials</i> , 2023, 13, 643.	4.1	2
421	Interfacial polygonal patterning via surfactant-mediated self-assembly of gold nanoparticles. <i>Nanoscale Research Letters</i> , 2013, 8, 436.	5.8	1
422	Materials Chemistry for Sustainability and Energy. <i>Journal of Chemistry</i> , 2014, 2014, 1-3.	2.0	1
423	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.	1.2	1
424	Slavery and the Slave Trade in the Western Indian Ocean World. , 2021, , 123-152.		1
425	Interfacial engineered Fe ₂ O ₃ @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.	4.8	1
426	Construction of Microporous Zincophilic Interface for Stable Zn Anode. <i>Molecules</i> , 2023, 28, 4789.	3.8	1
427	Recent advances in electrochemical performance of Mg-based electrochemical energy storage materials in supercapacitors: Enhancement and mechanism. <i>Journal of Magnesium and Alloys</i> , 2024, 12, 35-58.	13.0	1
428	Robust water-borne multi-layered superhydrophobic coating on concrete with ultra-low permeability. <i>Construction and Building Materials</i> , 2024, 411, 134573.	7.1	1
429	Diatomite@MoS ₂ Nanocomposite Layers as Composite Coating Targeting for Mg Alloys Endowed with Properties of Anticorrosion and Antiwear. <i>Langmuir</i> , 2024, 40, 8233-8247.	3.6	1
430	Effects of symmetrically alternative rotating flow on flocculation. <i>Central South University</i> , 2003, 10, 338-341.	0.5	0
431	The Flocculation and Stability of TiO ₂ Nanoparticles. <i>Advanced Materials Research</i> , 0, 548, 138-142.	0.1	0
432	FishEye - An Integrated Marine Species' Visualization. , 2022, , 666-685.		0

#	ARTICLE	IF	CITATIONS
433	Stirring-enabled formation of homogenous sub-50Ånm silicon nanoparticles with a modified alumino-reduction of silica as high-performance anode materials. <i>Electrochimica Acta</i> , 2024, 475, 143639.	5.3	0
434	Integrated Physiologic and Proteomic Analyses Reveal the Molecular Mechanism of <i>Navicula</i> sp. in Response to Ultraviolet Irradiation Stress. <i>International Journal of Molecular Sciences</i> , 2024, 25, 2747.	4.1	0
435	Cetyltrimethylammonium Bromide-Modified Laponite@Diatomite Composites for Enhanced Adsorption Performance of Organic Pollutants. <i>Langmuir</i> , 2024, 40, 8427-8439.	3.6	0
436	Achieving dendrite-free growth of Zn anode by electrodepositing on zincophilic gold-furnished mesh for aqueous zinc-ion batteries. <i>Chemical Communications</i> , 0, , .	4.1	0
437	C/Co3O4/Diatomite Composite for Microwave Absorption. <i>Molecules</i> , 2024, 29, 4336.	3.8	0