

# Jian-Ping Yang

## List of Publications by Citations

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149  
papers

10,732  
citations

48  
h-index

102  
g-index

157  
ext. papers

12,572  
ext. citations

10.3  
avg, IF

6.45  
L-index

#	Paper	IF	Citations
149	Enhanced sodium-ion battery performance by structural phase transition from two-dimensional hexagonal-SnS <sub>2</sub> to orthorhombic-SnS. <i>ACS Nano</i> , <b>2014</b> , 8, 8323-33	16.7	534
148	Biphase stratification approach to three-dimensional dendritic biodegradable mesoporous silica nanospheres. <i>Nano Letters</i> , <b>2014</b> , 14, 923-32	11.5	503
147	Recent progress on sodium ion batteries: potential high-performance anodes. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 2310-2340	35.4	425
146	Simple and green synthesis of nitrogen-doped photoluminescent carbonaceous nanospheres for bioimaging. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 8151-5	16.4	378
145	A versatile kinetics-controlled coating method to construct uniform porous TiO <sub>2</sub> shells for multifunctional core-shell structures. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 11864-7	16.4	357
144	Uniform yolk-shell iron sulfide-carbon nanospheres for superior sodium-iron sulfide batteries. <i>Nature Communications</i> , <b>2015</b> , 6, 8689	17.4	322
143	Facile synthesis of porous carbon nitride spheres with hierarchical three-dimensional mesostructures for CO <sub>2</sub> capture. <i>Nano Research</i> , <b>2010</b> , 3, 632-642	10	315
142	Sol-gel design strategy for ultradispersed TiO <sub>2</sub> nanoparticles on graphene for high-performance lithium ion batteries. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18300-3	16.4	313
141	Spatially Confined Fabrication of Core/Shell Gold [email protected] Silica for Near-Infrared Controlled Photothermal Drug Release. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 3030-3037	9.6	276
140	Synthesis of mesoporous carbon spheres with a hierarchical pore structure for the electrochemical double-layer capacitor. <i>Carbon</i> , <b>2011</b> , 49, 1248-1257	10.4	274
139	Hydrothermal etching assisted crystallization: a facile route to functional yolk-shell titanate microspheres with ultrathin nanosheets-assembled double shells. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 15830-3	16.4	268
138	Amorphous TiO Shells: A Vital Elastic Buffering Layer on Silicon Nanoparticles for High-Performance and Safe Lithium Storage. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700523	24	265
137	Direct imaging the upconversion nanocrystal core/shell structure at the subnanometer level: shell thickness dependence in upconverting optical properties. <i>Nano Letters</i> , <b>2012</b> , 12, 2852-8	11.5	265
136	Surface and Interface Engineering of Silicon-Based Anode Materials for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1701083	21.8	249
135	General strategy to synthesize uniform mesoporous TiO <sub>2</sub> /graphene/mesoporous TiO <sub>2</sub> sandwich-like nanosheets for highly reversible lithium storage. <i>Nano Letters</i> , <b>2015</b> , 15, 2186-93	11.5	248
134	Successive Layer-by-Layer Strategy for Multi-Shell Epitaxial Growth: Shell Thickness and Doping Position Dependence in Upconverting Optical Properties. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 106-112	9.6	240
133	Highly reversible and large lithium storage in mesoporous Si/C nanocomposite anodes with silicon nanoparticles embedded in a carbon framework. <i>Advanced Materials</i> , <b>2014</b> , 26, 6749-55	24	234

132	Achieving High-Performance Room-Temperature Sodium-Sulfur Batteries With S@Interconnected Mesoporous Carbon Hollow Nanospheres. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 16576-16579	16.4	225
131	Atomic cobalt as an efficient electrocatalyst in sulfur cathodes for superior room-temperature sodium-sulfur batteries. <i>Nature Communications</i> , <b>2018</b> , 9, 4082	17.4	223
130	Yolk-shell silicon-mesoporous carbon anode with compact solid electrolyte interphase film for superior lithium-ion batteries. <i>Nano Energy</i> , <b>2015</b> , 18, 133-142	17.1	197
129	Silicon/Mesoporous Carbon/Crystalline TiO Nanoparticles for Highly Stable Lithium Storage. <i>ACS Nano</i> , <b>2016</b> , 10, 10524-10532	16.7	197
128	Critical thickness of phenolic resin-based carbon interfacial layer for improving long cycling stability of silicon nanoparticle anodes. <i>Nano Energy</i> , <b>2016</b> , 27, 255-264	17.1	163
127	NIR-triggered release of caged nitric oxide using upconverting nanostructured materials. <i>Small</i> , <b>2012</b> , 8, 3800-5	11	154
126	Dual-pore mesoporous carbon@silica composite core-shell nanospheres for multidrug delivery. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 5366-70	16.4	153
125	Core-shell Ag@SiO <sub>2</sub> @mSiO <sub>2</sub> mesoporous nanocarriers for metal-enhanced fluorescence. <i>Chemical Communications</i> , <b>2011</b> , 47, 11618-20	5.8	153
124	Heterogeneous Single-Atom Catalysts for Electrochemical CO Reduction Reaction. <i>Advanced Materials</i> , <b>2020</b> , 32, e2001848	24	148
123	Engineering the Distribution of Carbon in Silicon Oxide Nanospheres at the Atomic Level for Highly Stable Anodes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6669-6673	16.4	142
122	Monodisperse core-shell chitosan microcapsules for pH-responsive burst release of hydrophobic drugs. <i>Soft Matter</i> , <b>2011</b> , 7, 4821	3.6	129
121	Incorporation of well-dispersed sub-5-nm graphitic pencil nanodots into ordered mesoporous frameworks. <i>Nature Chemistry</i> , <b>2016</b> , 8, 171-8	17.6	128
120	Controlled Synthesis and Functionalization of Ordered Large-Pore Mesoporous Carbons. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3658-3665	15.6	117
119	3D hierarchical porous graphene aerogel with tunable meso-pores on graphene nanosheets for high-performance energy storage. <i>Scientific Reports</i> , <b>2015</b> , 5, 14229	4.9	108
118	Mesoporous silica encapsulating upconversion luminescence rare-earth fluoride nanorods for secondary excitation. <i>Langmuir</i> , <b>2010</b> , 26, 8850-6	4	99
117	Hollow-Carbon-Templated Few-Layered VS Nanosheets Enabling Ultrafast Potassium Storage and Long-Term Cycling. <i>ACS Nano</i> , <b>2019</b> , 13, 7939-7948	16.7	97
116	Direct Superassemblies of Freestanding Metal-Carbon Frameworks Featuring Reversible Crystalline-Phase Transformation for Electrochemical Sodium Storage. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 16533-16541	16.4	97
115	Janus nanoarchitectures: From structural design to catalytic applications. <i>Nano Today</i> , <b>2018</b> , 22, 62-82	17.9	93

114	Ultradispersed Palladium Nanoparticles in Three-Dimensional Dendritic Mesoporous Silica Nanospheres: Toward Active and Stable Heterogeneous Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 17450-9	9.5	92
113	Synthesis of ordered mesoporous alumina with large pore sizes and hierarchical structure. <i>Microporous and Mesoporous Materials</i> , <b>2011</b> , 143, 406-412	5.3	89
112	MoO <sub>2</sub> /Mo <sub>2</sub> C/C spheres as anode materials for lithium ion batteries. <i>Carbon</i> , <b>2016</b> , 96, 1200-1207	10.4	79
111	Direct triblock-copolymer-templating synthesis of ordered nitrogen-containing mesoporous polymers. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 342, 579-85	9.3	79
110	Tailoring the Assembly of Iron Nanoparticles in Carbon Microspheres toward High-Performance Electrocatalytic Denitrification. <i>Nano Letters</i> , <b>2019</b> , 19, 5423-5430	11.5	72
109	Monodisperse core-shell structured magnetic mesoporous aluminosilicate nanospheres with large dendritic mesochannels. <i>Nano Research</i> , <b>2015</b> , 8, 2503-2514	10	70
108	Boosting the initial coulombic efficiency in silicon anodes through interfacial incorporation of metal nanocrystals. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 17426-17434	13	61
107	Mesoporous silica-coated plasmonic nanostructures for surface-enhanced Raman scattering detection and photothermal therapy. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 1620-8	10.1	61
106	Synthesis of well-dispersed layered double hydroxide core@ordered mesoporous silica shell nanostructure (LDH@mSiO <sub>2</sub> ) and its application in drug delivery. <i>Nanoscale</i> , <b>2011</b> , 3, 4069-73	7.7	61
105	Germanium Nanograin Decoration on Carbon Shell: Boosting Lithium-Storage Properties of Silicon Nanoparticles. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7800-7806	15.6	59
104	One-step hydrothermal synthesis of carboxyl-functionalized upconversion phosphors for bioapplications. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 13642-50	4.8	58
103	A versatile designed synthesis of magnetically separable nano-catalysts with well-defined core-shell nanostructures. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 6071-6074	13	57
102	Highly Ordered Dual Porosity Mesoporous Cobalt Oxide for Sodium-Ion Batteries. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1500464	4.6	54
101	Aqueous preparation of surfactant-free copper selenide nanowires. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 442, 140-6	9.3	48
100	Hierarchical Branched Mesoporous TiO <sub>2</sub> -SnO <sub>2</sub> Nanocomposites with Well-Defined n-n Heterojunctions for Highly Efficient Ethanol Sensing. <i>Advanced Science</i> , <b>2019</b> , 6, 1902008	13.6	47
99	Nanoscale zero-valent iron in mesoporous carbon (nZVI@C): stable nanoparticles for metal extraction and catalysis. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 4478-4485	13	46
98	Nanostructured binary copper chalcogenides: synthesis strategies and common applications. <i>Nanoscale</i> , <b>2018</b> , 10, 15130-15163	7.7	46
97	Dual-Pore Mesoporous Carbon@Silica Composite Core-Shell Nanospheres for Multidrug Delivery. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 5470-5474	3.6	44

96	Fe/Fe <sub>3</sub> C nanoparticle-decorated N-doped carbon nanofibers for improving the nitrogen selectivity of electrocatalytic nitrate reduction. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 15853-15863	13	42
95	Simple and Green Synthesis of Nitrogen-Doped Photoluminescent Carbonaceous Nanospheres for Bioimaging. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 8309-8313	3.6	41
94	Silicon: toward eco-friendly reduction techniques for lithium-ion battery applications. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 24715-24737	13	40
93	Electrically Conductive and Mechanically Strong Graphene/Mullite Ceramic Composites for High-Performance Electromagnetic Interference Shielding. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 39245-39256	9.5	40
92	Large pore mesostructured cellular silica foam coated magnetic oxide composites with multilamellar vesicle shells for adsorption. <i>Chemical Communications</i> , <b>2014</b> , 50, 713-5	5.8	39
91	Residual Chlorine Induced Cationic Active Species on a Porous Copper Electrocatalyst for Highly Stable Electrochemical CO Reduction to C. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11487-11493	16.4	39
90	Facile preparation of CuMn/CeO <sub>2</sub> /SBA-15 catalysts using ceria as an auxiliary for advanced oxidation processes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 10654	13	38
89	Boron doping-induced interconnected assembly approach for mesoporous silicon oxycarbide architecture. <i>National Science Review</i> , <b>2021</b> , 8, nwaa152	10.8	38
88	Toward understanding the interaction within Silicon-based anodes for stable lithium storage. <i>Chemical Engineering Journal</i> , <b>2020</b> , 385, 123821	14.7	36
87	Dendritic Cell-Inspired Designed Architectures toward Highly Efficient Electrocatalysts for Nitrate Reduction Reaction. <i>Small</i> , <b>2020</b> , 16, e2001775	11	35
86	Achieving high-performance nitrate electrocatalysis with PdCu nanoparticles confined in nitrogen-doped carbon coralline. <i>Nanoscale</i> , <b>2018</b> , 10, 19023-19030	7.7	35
85	Bimetallic PdCu Nanocrystals Immobilized by Nitrogen-Containing Ordered Mesoporous Carbon for Electrocatalytic Denitrification. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 3861-3868	9.5	34
84	Mesoporous carbon confined palladium-copper alloy composites for high performance nitrogen selective nitrate reduction electrocatalysis. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 2349-2357	3.6	32
83	A curing agent method to synthesize ordered mesoporous carbons from linear novolac phenolic resin polymers. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 6536		32
82	Synthesis of freestanding PEDOT:PSS/PVA@Ag NPs nanofiber film for high-performance flexible thermoelectric generator. <i>Polymer</i> , <b>2019</b> , 167, 102-108	3.9	31
81	Thin Film Thermoelectric Materials: Classification, Characterization, and Potential for Wearable Applications. <i>Coatings</i> , <b>2018</b> , 8, 244	2.9	31
80	Branched artificial nanofinger arrays by mesoporous interfacial atomic rearrangement. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 4260-6	16.4	29
79	Interface-Amorphized TiC@Si/SiO@TiO Anodes with Sandwiched Structures and Stable Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 24796-24805	9.5	29

78	Controllable fabrication of dendritic mesoporous silica-carbon nanospheres for anthracene removal. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 11045	13	29
77	When Silicon Materials Meet Natural Sources: Opportunities and Challenges for Low-Cost Lithium Storage. <i>Small</i> , <b>2021</b> , 17, e1904508	11	29
76	Phenyl-functionalized mesoporous silica materials for the rapid and efficient removal of phthalate esters. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 487, 354-359	9.3	27
75	Bowl-like mesoporous polymer-induced interface growth of molybdenum disulfide for stable lithium storage. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122651	14.7	27
74	Mesoporous Materials-Based Electrochemical Biosensors from Enzymatic to Nonenzymatic. <i>Small</i> , <b>2021</b> , 17, e1904022	11	27
73	Facile Fabrication of Dendritic Mesoporous SiO <sub>2</sub> @CdTe@SiO <sub>2</sub> Fluorescent Nanoparticles for Bioimaging. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 261-270	3.1	26
72	Sub-nanometric Manganous Oxide Clusters in Nitrogen Doped Mesoporous Carbon Nanosheets for High-Performance Lithium-Sulfur Batteries. <i>Nano Letters</i> , <b>2021</b> , 21, 700-708	11.5	26
71	Facile synthesis of mesoporous WO <sub>3</sub> @graphene aerogel nanocomposites for low-temperature acetone sensing. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 2032-2038	8.1	25
70	Encapsulation of core-satellite silicon in carbon for rational balance of the void space and capacity. <i>Chemical Communications</i> , <b>2019</b> , 55, 10531-10534	5.8	24
69	Iron nanoparticles in capsules: derived from mesoporous silica-protected Prussian blue microcubes for efficient selenium removal. <i>Chemical Communications</i> , <b>2018</b> , 54, 5887-5890	5.8	23
68	Carbon-Encapsulated Copper Sulfide Leading to Enhanced Thermoelectric Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 22457-22463	9.5	22
67	Hierarchical ordered macro/mesoporous titania with a highly interconnected porous structure for efficient photocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 16446-16453	13	22
66	Ordered mesoporous silica/polyvinylidene fluoride composite membranes for effective removal of water contaminants. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 3850-3857	13	22
65	Mesoporous WO Nanofibers With Crystalline Framework for High-Performance Acetone Sensing. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 266	5	21
64	Preparation of a mesoporous CuMn/TiO <sub>2</sub> composite for the degradation of Acid Red 1. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 7399-7405	13	20
63	Pushing the Limit of Ordered Mesoporous Materials via 2D Self-Assembly for Energy Conversion and Storage. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007496	15.6	19
62	Exposed metal oxide active sites on mesoporous titania channels: a promising design for low-temperature selective catalytic reduction of NO with NH <sub>3</sub> . <i>Chemical Communications</i> , <b>2018</b> , 54, 3783-3786	5.8	18
61	Hydrothermal Synthesis and Photoluminescence of Hierarchical Lead Tungstate Superstructures: Effects of Reaction Temperature and Surfactants. <i>European Journal of Inorganic Chemistry</i> , <b>2010</b> , 2010, 1736-1742	2.3	18

60	Ordered Mesoporous Carbonaceous Materials with Tunable Surface Property for Enrichment of Hexachlorobenzene. <i>Langmuir</i> , <b>2016</b> , 32, 9922-9929	4	18
59	TiO <sub>2</sub> interpenetrating networks decorated with SnO <sub>2</sub> nanocrystals: enhanced activity of selective catalytic reduction of NO with NH <sub>3</sub> . <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 1405-1409	13	17
58	Big Potential From Silicon-Based Porous Nanomaterials: In Field of Energy Storage and Sensors. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 539	5	17
57	Achieving effective broadband microwave absorption with Fe <sub>3</sub> O <sub>4</sub> @C supraparticles. <i>Journal of Materiomics</i> , <b>2021</b> , 7, 80-88	6.7	16
56	Surface Anchoring Approach for Growth of CeO Nanocrystals on Prussian Blue Capsules Enable Superior Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 33082-33090	9.5	15
55	Facile synthesis of highly stable and well-dispersed mesoporous ZrO(2)/carbon composites with high performance in oxidative dehydrogenation of ethylbenzene. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 10996-1003	3.6	15
54	A versatile in situ etching-growth strategy for synthesis of yolk-shell structured periodic mesoporous organosilica nanocomposites. <i>RSC Advances</i> , <b>2016</b> , 6, 51470-51479	3.7	15
53	Spatially Confined Tuning the Interfacial Synergistic Catalysis in Mesochannels toward Selective Catalytic Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 19242-19251	9.5	14
52	Engineering the Distribution of Carbon in Silicon Oxide Nanospheres at the Atomic Level for Highly Stable Anodes. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6741-6745	3.6	14
51	Boric acid assisted formation of mesostructured silica: from hollow spheres to hierarchical assembly. <i>RSC Advances</i> , <b>2014</b> , 4, 20069-20076	3.7	14
50	Porous-Carbon-Confined Formation of Monodisperse Iron Nanoparticle Yolks toward Versatile Nanoreactors for Metal Extraction. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 15663-15668	4.8	13
49	Boron heteroatom-doped silicon-carbon peanut-like composites enables long life lithium-ion batteries. <i>Rare Metals</i> , 1	5.5	13
48	Organic/Inorganic Hybrid Fibers: Controllable Architectures for Electrochemical Energy Applications. <i>Advanced Science</i> , <b>2021</b> , 8, e2102859	13.6	11
47	Boosting the electrocatalysis of nitrate to nitrogen with iron nanoparticles embedded in carbon microspheres. <i>Chemical Communications</i> , <b>2020</b> , 56, 14685-14688	5.8	11
46	Enhancing the thermoelectric performance of filled skutterudite nanocomposites in a wide temperature range via electroless silver plating. <i>Scripta Materialia</i> , <b>2018</b> , 146, 136-141	5.6	11
45	Boosting initial coulombic efficiency of Si-based anodes: a review. <i>Emergent Materials</i> , <b>2020</b> , 3, 369-380	3.5	10
44	How to Build a Microplastics-Free Environment: Strategies for Microplastics Degradation and Plastics Recycling.. <i>Advanced Science</i> , <b>2022</b> , e2103764	13.6	10
43	Conversion of Catalytically Inert 2D Bismuth Oxide Nanosheets for Effective Electrochemical Hydrogen Evolution Reaction Catalysis via Oxygen Vacancy Concentration Modulation.. <i>Nano-Micro Letters</i> , <b>2022</b> , 14, 90	19.5	10

42	Interface Heteroatom-doping: Emerging Solutions to Silicon-based Anodes. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 1394-1404	4.5	9
41	Site-selective exposure of iron nanoparticles to achieve rapid interface enrichment for heavy metals. <i>Chemical Communications</i> , <b>2020</b> , 56, 2795-2798	5.8	9
40	Engineering Carbon Distribution in Silicon-Based Anodes at Multiple Scales. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 1488-1496	4.8	9
39	Near-Infrared-Light-Induced Fast Drug Release Platform: Mesoporous Silica-Coated Gold Nanoframes for Thermochemotherapy. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 316-322	3.1	9
38	Comparison of Additives in Anode: The Case of Graphene, MXene, CNTs Integration with Silicon Inside Carbon Nanofibers. <i>Acta Metallurgica Sinica (English Letters)</i> , <b>2021</b> , 34, 337-346	2.5	9
37	Cobalt-Based Metal-Organic Frameworks and Their Derivatives for Hydrogen Evolution Reaction. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 592915	5	8
36	Interfacial engineering of core-shell structured mesoporous architectures from single-micelle building blocks. <i>Nano Today</i> , <b>2020</b> , 35, 100940	17.9	8
35	Confined interfacial micelle aggregating assembly of ordered macro-mesoporous tungsten oxides for HS sensing. <i>Nanoscale</i> , <b>2020</b> , 12, 20811-20819	7.7	7
34	Boron-iron nanochains for selective electrocatalytic reduction of nitrate. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 2073-2078	8.1	7
33	Regulating the carbon distribution of anode materials in lithium-ion batteries. <i>Nanoscale</i> , <b>2021</b> , 13, 3937-3947	7.7	7
32	Biodegradation and catalytic-chemical degradation strategies to mitigate microplastic pollution. <i>Sustainable Materials and Technologies</i> , <b>2021</b> , 28, e00251	5.3	6
31	Low-Dimensional Copper Selenide Nanostructures: Controllable Morphology and its Dependence on Electrocatalytic Performance. <i>ChemElectroChem</i> , <b>2019</b> , 6, 574-580	4.3	6
30	A confined micro-reactor with a movable Fe <sub>3</sub> O <sub>4</sub> core and a mesoporous TiO <sub>2</sub> shell for a photocatalytic Fenton-like degradation of bisphenol A. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 1456-1461	8.1	6
29	Synergy between copper and iron sites inside carbon nanofibers for superior electrocatalytic denitrification. <i>Nanoscale</i> , <b>2021</b> , 13, 10108-10115	7.7	6
28	A High-Rate Electrode with Grotthuss Topochemistry for Membrane-Free Decoupled Acid Water Electrolysis. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2102057	21.8	6
27	Fiber Materials for Electrocatalysis Applications. <i>Advanced Fiber Materials</i> , 1	10.9	6
26	Enhanced sequestration of large-sized dissolved organic micropollutants in polymeric membranes incorporated with mesoporous carbon. <i>RSC Advances</i> , <b>2016</b> , 6, 81477-81484	3.7	5
25	Photosensitizer Nanodot Eliciting Immunogenicity for Photo-Immunologic Therapy of Postoperative Methicillin-Resistant Staphylococcus Aureus Infection and Secondary Recurrence. <i>Advanced Materials</i> , <b>2021</b> , e2107300	24	5



24	Regulating ambient pressure approach to graphitic carbon nitride towards dispersive layers and rich pyridinic nitrogen. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 1603-1607	8.1	5
23	Spatially Nanoconfined Architectures: A Promising Design for Selective Catalytic Reduction of NOx. <i>ChemCatChem</i> , <b>2020</b> , 12, 5599-5610	5.2	5
22	Multiscale architectures boosting thermoelectric performance of copper sulfide compound. <i>Rare Metals</i> , <b>2021</b> , 40, 1-9	5.5	5
21	A triblock-copolymer-templating route to carbon spheres@SBA-15 large mesopore core-shell and hollow structures. <i>RSC Advances</i> , <b>2014</b> , 4, 48676-48681	3.7	4
20	Electrostatic Interactions Leading to Hierarchical Interpenetrating Electroconductive Networks in Silicon Anodes for Fast Lithium Storage. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 9320-9327	4.8	4
19	Phase engineering of dual active 2D Bi <sub>2</sub> O <sub>3</sub> -based nanocatalysts for alkaline hydrogen evolution reaction electrocatalysis. <i>Journal of Materials Chemistry A</i> ,	13	3
18	Residual Chlorine Induced Cationic Active Species on a Porous Copper Electrocatalyst for Highly Stable Electrochemical CO <sub>2</sub> Reduction to C <sub>2</sub> +. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 11588-11594	3.6	3
17	Regulating the interfacial behavior of carbon nanotubes for fast lithium storage. <i>Electrochimica Acta</i> , <b>2021</b> , 388, 138591	6.7	3
16	Flexible electrocatalysts: interfacial-assembly of iron nanoparticles for nitrate reduction. <i>Chemical Communications</i> , <b>2021</b> , 57, 6740-6743	5.8	3
15	Modulating the Electronic Structure of FeCo Nanoparticles in N-Doped Mesoporous Carbon for Efficient Oxygen Reduction Reaction.. <i>Advanced Science</i> , <b>2022</b> , e2200394	13.6	3
14	Polydopamine-Derived Carbon: What a Critical Role for Lithium Storage?. <i>Frontiers in Energy Research</i> , <b>2020</b> , 8,	3.8	2
13	Feasible Degradation of Polyethylene Terephthalate Fiber-Based Microplastics in Alkaline Media with Bi <sub>2</sub> O <sub>3</sub> @N-TiO <sub>2</sub> Z-Scheme Photocatalytic System. <i>Advanced Sustainable Systems</i> ,2100516	5.9	2
12	Efficient Photocatalytic Degradation of the Persistent PET Fiber-Based Microplastics over Pt Nanoparticles Decorated N-Doped TiO <sub>2</sub> Nanoflowers. <i>Advanced Fiber Materials</i> ,1	10.9	2
11	Frontispiece: Engineering Carbon Distribution in Silicon-Based Anodes at Multiple Scales. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26,	4.8	1
10	Bone infection site targeting nanoparticle-antibiotics delivery vehicle to enhance treatment efficacy of orthopedic implant related infection.. <i>Bioactive Materials</i> , <b>2022</b> , 16, 134-148	16.7	1
9	A High-Rate Electrode with Grothuss Topochemistry for Membrane-Free Decoupled Acid Water Electrolysis (Adv. Energy Mater. 40/2021). <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2170159	21.8	1
8	Exploring Thermoelectric Property Improvement for Binary Copper Chalcogenides. <i>Frontiers in Materials</i> , <b>2020</b> , 7,	4	1
7	Interface Design of Iron Nanoparticles for Environmental Remediation. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , <b>2021</b> , 36, 561	1	1

6	Confined self-assembly of SiOC nanospheres in graphene film to achieve cycle stability of lithium ion batteries. <i>New Journal of Chemistry</i> , <b>2022</b> , 46, 6519-6527	3.6	1
5	Multi-Mode Antibacterial Strategies Enabled by Gene-Transfection and Immunomodulatory Nanoparticles in 3D-printed Scaffolds for Synergistic Exogenous and Endogenous Treatment of Infections.. <i>Advanced Materials</i> , <b>2022</b> , e2200096	24	1
4	Dianhydride-based polyimide as organic electrode materials for aqueous hydronium-ion battery. <i>Electrochimica Acta</i> , <b>2021</b> , 403, 139550	6.7	0
3	Oriented assembly of monomicelles in beam stream enabling bimodal mesoporous metal oxide nanofibers. <i>Science China Materials</i> , <b>2021</b> , 64, 2486-2496	7.1	0
2	A carbon network strategy to synthesize silicon-carbon anodes toward regulated morphologies during molten salt reduction. <i>CrystEngComm</i> , <b>2020</b> , 22, 4894-4902	3.3	
1	Nanoparticles: Germanium Nanograin Decoration on Carbon Shell: Boosting Lithium-Storage Properties of Silicon Nanoparticles (Adv. Funct. Mater. 43/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7799-7799	15.6	