Wei Luo

List of Publications by Citations

175 papers	9,420 citations	47 h-index	94 g-index
184 ext. papers	11,368 ext. citations	9.3 avg, IF	6.67 L-index

#	Paper	IF	Citations
175	Carbon Electrodes for K-Ion Batteries. *Journal of the American Chemical Society*, **2015**, 137, 11566-9	16.4	1190
174	Self-assembled hierarchical MoO2/graphene nanoarchitectures and their application as a high-performance anode material for lithium-ion batteries. *ACS Nano*, **2011**, 5, 7100-7	16.7	548
173	Carbon nanofibers derived from cellulose nanofibers as a long-life anode material for rechargeable sodium-ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 10662	13	309
172	An Organic Pigment as a High-Performance Cathode for Sodium-Ion Batteries. *Advanced Energy Materials*, **2014**, 4, 1400554	21.8	280
171	Amorphous TiO Shells: A Vital Elastic Buffering Layer on Silicon Nanoparticles for High-Performance and Safe Lithium Storage. *Advanced Materials*, **2017**, 29, 1700523	24	265
170	Surface and Interface Engineering of Silicon-Based Anode Materials for Lithium-Ion Batteries. *Advanced Energy Materials*, **2017**, 7, 1701083	21.8	249
169	Pyrolysis of cellulose under ammonia leads to nitrogen-doped nanoporous carbon generated through methane formation. *Nano Letters*, **2014**, 14, 2225-9	11.5	240
168	Morphosynthesis of a hierarchical MoO2 nanoarchitecture as a binder-free anode for lithium-ion batteries. *Energy and Environmental Science*, **2011**, 4, 2870	35.4	225
167	New Insight into the Synthesis of Large-Pore Ordered Mesoporous Materials. *Journal of the American Chemical Society*, **2017**, 139, 1706-1713	16.4	216
166	Highly ordered mesoporous tungsten oxides with a large pore size and crystalline framework for H2S sensing. *Angewandte Chemie - International Edition*, **2014**, 53, 9035-40	16.4	215
165	An Interface Coassembly in Biliquid Phase: Toward Core-Shell Magnetic Mesoporous Silica Microspheres with Tunable Pore Size. *Journal of the American Chemical Society*, **2015**, 137, 13282-9	16.4	208
164	Improved Thermoelectric Performance of Silver Nanoparticles-Dispersed Bi2Te3 Composites Deriving from Hierarchical Two-Phased Heterostructure. *Advanced Functional Materials*, **2015**, 25, 966-976	15.6	198
163	Silicon/Mesoporous Carbon/Crystalline TiO Nanoparticles for Highly Stable Lithium Storage. *ACS Nano*, **2016**, 10, 10524-10532	16.7	197
162	Sodium/Potassium-Ion Batteries: Boosting the Rate Capability and Cycle Life by Combining Morphology, Defect and Structure Engineering. *Advanced Materials*, **2020**, 32, e1904320	24	191
161	Low-surface-area hard carbon anode for na-ion batteries via graphene oxide as a dehydration agent. *ACS Applied Materials & Interfaces*, **2015**, 7, 2626-31	9.5	188
160	Electrochemically Expandable Soft Carbon as Anodes for Na-Ion Batteries. *ACS Central Science*, **2015**, 1, 516-22	16.8	167
159	Ultrafine MoO2 nanoparticles embedded in a carbon matrix as a high-capacity and long-life anode for lithium-ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 425-431		163

158	Critical thickness of phenolic resin-based carbon interfacial layer for improving long cycling stability of silicon nanoparticle anodes. *Nano Energy*, **2016**, 27, 255-264	17.1	163
157	A Dual-Functional Conductive Framework Embedded with TiN-VN Heterostructures for Highly Efficient Polysulfide and Lithium Regulation toward Stable Li-S Full Batteries. *Advanced Materials*, **2020**, 32, e1905658	24	154
156	Heterogeneous Single-Atom Catalysts for Electrochemical CO Reduction Reaction. *Advanced Materials*, **2020**, 32, e2001848	24	148
155	Engineering the Distribution of Carbon in Silicon Oxide Nanospheres at the Atomic Level for Highly Stable Anodes. *Angewandte Chemie - International Edition*, **2019**, 58, 6669-6673	16.4	142
154	Ultrathin CoO/Graphene Hybrid Nanosheets: A Highly Stable Anode Material for Lithium-Ion Batteries. *Journal of Physical Chemistry C*, **2012**, 116, 20794-20799	3.8	142
153	Synthesis of Ordered Mesoporous Silica with Tunable Morphologies and Pore Sizes via a Nonpolar Solvent-Assisted Stber Method. *Chemistry of Materials*, **2016**, 28, 2356-2362	9.6	131
152	A Micelle Fusion-Aggregation Assembly Approach to Mesoporous Carbon Materials with Rich Active Sites for Ultrasensitive Ammonia Sensing. *Journal of the American Chemical Society*, **2016**, 138, 12586-95	16.4	116
151	Efficient fabrication of nanoporous si and Si/Ge enabled by a heat scavenger in magnesiothermic reactions. *Scientific Reports*, **2013**, 3, 2222	4.9	111
150	Electrospinning of carbon-coated MoO2 nanofibers with enhanced lithium-storage properties. *Physical Chemistry Chemical Physics*, **2011**, 13, 16735-40	3.6	109
149	Hollow-Carbon-Templated Few-Layered VS Nanosheets Enabling Ultrafast Potassium Storage and Long-Term Cycling. *ACS Nano*, **2019**, 13, 7939-7948	16.7	97
148	Structure-based drug designing and immunoinformatics approach for SARS-CoV-2. *Science Advances*, **2020**, 6, eabb8097	14.3	97
147	Direct Superassemblies of Freestanding Metal-Carbon Frameworks Featuring Reversible Crystalline-Phase Transformation for Electrochemical Sodium Storage. *Journal of the American Chemical Society*, **2016**, 138, 16533-16541	16.4	97
146	Multi-layered mesoporous TiO2 thin films with large pores and highly crystalline frameworks for efficient photoelectrochemical conversion. *Journal of Materials Chemistry A*, **2013**, 1, 1591-1599	13	81
145	Two-dimensional hyperferroelectric metals: A different route to ferromagnetic-ferroelectric multiferroics. *Physical Review B*, **2017**, 96,	3.3	77
144	Ordered Mesoporous Alumina with Ultra-Large Pores as an Efficient Absorbent for Selective Bioenrichment. *Chemistry of Materials*, **2017**, 29, 2211-2217	9.6	72
143	Tailoring the Assembly of Iron Nanoparticles in Carbon Microspheres toward High-Performance Electrocatalytic Denitrification. *Nano Letters*, **2019**, 19, 5423-5430	11.5	72
142	Chelation-assisted soft-template synthesis of ordered mesoporous zinc oxides for low concentration gas sensing. *Journal of Materials Chemistry A*, **2016**, 4, 15064-15071	13	68
141	A resol-assisted co-assembly approach to crystalline mesoporous niobia spheres for electrochemical biosensing. *Angewandte Chemie - International Edition*, **2013**, 52, 10505-10	16.4	68

140	Mesoporous TiO2 Mesocrystals: Remarkable Defects-Induced Crystallite-Interface Reactivity and Their in Situ Conversion to Single Crystals. *ACS Central Science*, **2015**, 1, 400-8	16.8	63
139	Boosting the initial coulombic efficiency in silicon anodes through interfacial incorporation of metal nanocrystals. *Journal of Materials Chemistry A*, **2019**, 7, 17426-17434	13	61
138	Germanium Nanograin Decoration on Carbon Shell: Boosting Lithium-Storage Properties of Silicon Nanoparticles. *Advanced Functional Materials*, **2016**, 26, 7800-7806	15.6	59
137	Amphiphilic Block Copolymer Templated Synthesis of Mesoporous Indium Oxides with Nanosheet-Assembled Pore Walls. *Chemistry of Materials*, **2016**, 28, 7997-8005	9.6	59
136	Performance of system consisting of vertical flow trickling filter and horizontal flow multi-soil-layering reactor for treatment of rural wastewater. *Bioresource Technology*, **2015**, 193, 424-32	11	58
135	Controlled Synthesis of Ordered Mesoporous Carbon-Cobalt Oxide Nanocomposites with Large Mesopores and Graphitic Walls. *Chemistry of Materials*, **2016**, 28, 7773-7780	9.6	57
134	Surface modification of electrospun TiO2 nanofibers via layer-by-layer self-assembly for high-performance lithium-ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 4910		56
133	Oxygen-deficient WO3−x@TiO2−x core–shell nanosheets for efficient photoelectrochemical oxidation of neutral water solutions. *Journal of Materials Chemistry A*, **2017**, 5, 14697-14706	13	55
132	Ultrathin and Light-Weight Graphene Aerogel with Precisely Tunable Density for Highly Efficient Microwave Absorbing. *ACS Applied Materials & Interfaces*, **2019**, 11, 46386-46396	9.5	52
131	Facile synthesis of one-dimensional peapod-like Sb@C submicron-structures. *Chemical Communications*, **2014**, 50, 5435-7	5.8	50
130	Rational Synthesis and Gas Sensing Performance of Ordered Mesoporous Semiconducting WO/NiO Composites. *ACS Applied Materials & Interfaces*, **2019**, 11, 26268-26276	9.5	48
129	Hierarchical Branched Mesoporous TiO-SnO Nanocomposites with Well-Defined n-n Heterojunctions for Highly Efficient Ethanol Sensing. *Advanced Science*, **2019**, 6, 1902008	13.6	47
128	Hierarchical self-assembly of Mn2Mo3O8–graphene nanostructures and their enhanced lithium-storage properties. *Journal of Materials Chemistry*, **2011**, 21, 17229		47
127	Improved Electrochemical Performance in Li3V2(PO4)3 Promoted by Niobium-Incorporation. *Journal of the Electrochemical Society*, **2011**, 158, A924	3.9	44
126	Monodisperse mesoporous TiO2 microspheres for dye sensitized solar cells. *Nano Energy*, **2016**, 26, 16-25	17.1	43
125	Silicon: toward eco-friendly reduction techniques for lithium-ion battery applications. *Journal of Materials Chemistry A*, **2019**, 7, 24715-24737	13	40
124	Enhancing the performance of Ce:YAG phosphor-in-silica-glass by controlling interface reaction. *Acta Materialia*, **2017**, 130, 289-296	8.4	39
123	Residual Chlorine Induced Cationic Active Species on a Porous Copper Electrocatalyst for Highly Stable Electrochemical CO Reduction to C. *Angewandte Chemie - International Edition*, **2021**, 60, 11487-11493	16.1	39

122	Boron doping-induced interconnected assembly approach for mesoporous silicon oxycarbide architecture. *National Science Review*, **2021**, 8, nwaa152	10.8	38
121	Tricomponent Coassembly Approach To Synthesize Ordered Mesoporous Carbon/Silica Nanocomposites and Their Derivative Mesoporous Silicas with Dual Porosities. *Chemistry of Materials*, **2014**, 26, 2438-2444	9.6	37
120	In-situ reconstructed Ru atom array on α-MnO2 with enhanced performance for acidic water oxidation. *Nature Catalysis*, **2021**, 4, 1012-1023	36.5	37
119	Prediction of silicon-based layered structures for optoelectronic applications. *Journal of the American Chemical Society*, **2014**, 136, 15992-7	16.4	36
118	Toward understanding the interaction within Silicon-based anodes for stable lithium storage. *Chemical Engineering Journal*, **2020**, 385, 123821	14.7	36
117	Dendritic Cell-Inspired Designed Architectures toward Highly Efficient Electrocatalysts for Nitrate Reduction Reaction. *Small*, **2020**, 16, e2001775	11	35
116	Bimetallic PdCu Nanocrystals Immobilized by Nitrogen-Containing Ordered Mesoporous Carbon for Electrocatalytic Denitrification. *ACS Applied Materials & Interfaces*, **2019**, 11, 3861-3868	9.5	34
115	Thin Film Thermoelectric Materials: Classification, Characterization, and Potential for Wearable Applications. *Coatings*, **2018**, 8, 244	2.9	31
114	Ordered mesoporous C/TiO2 composites as advanced sonocatalysts. *Journal of Materials Chemistry A*, **2014**, 2, 16452-16458	13	30
113	Interface-Amorphized TiC@Si/SiO@TiO Anodes with Sandwiched Structures and Stable Lithium Storage. *ACS Applied Materials & Interfaces*, **2020**, 12, 24796-24805	9.5	29
112	NiPt Nanocatalysts Supported on Boron and Nitrogen Co-Doped Graphene for Superior Hydrazine Dehydrogenation and Methanol Oxidation. *ChemCatChem*, **2016**, 8, 1410-1416	5.2	29
111	When Silicon Materials Meet Natural Sources: Opportunities and Challenges for Low-Cost Lithium Storage. *Small*, **2021**, 17, e1904508	11	29
110	Unusual Ferroelectricity in Two-Dimensional Perovskite Oxide Thin Films. *Nano Letters*, **2018**, 18, 595-601	11.5	28
109	Large-Pore Mesoporous CeO -ZrO Solid Solutions with In-Pore Confined Pt Nanoparticles for Enhanced CO Oxidation. *Small*, **2019**, 15, e1903058	11	27
108	Mechanisms and strategies of microbial cometabolism in the degradation of organic compounds - chlorinated ethylenes as the model. *Water Science and Technology*, **2014**, 69, 1971-83	2.2	27
107	Bowl-like mesoporous polymer-induced interface growth of molybdenum disulfide for stable lithium storage. *Chemical Engineering Journal*, **2020**, 381, 122651	14.7	27
106	Mesoporous Materials-Based Electrochemical Biosensors from Enzymatic to Nonenzymatic. *Small*, **2021**, 17, e1904022	11	27
105	Pore Engineering of Mesoporous Tungsten Oxides for Ultrasensitive Gas Sensing. *Advanced Materials Interfaces*, **2019**, 6, 1801269	4.6	26

104	Sub-nanometric Manganous Oxide Clusters in Nitrogen Doped Mesoporous Carbon Nanosheets for High-Performance Lithium-Sulfur Batteries. *Nano Letters*, **2021**, 21, 700-708	11.5	26
103	Facile synthesis of mesoporous WO3@graphene aerogel nanocomposites for low-temperature acetone sensing. *Chinese Chemical Letters*, **2019**, 30, 2032-2038	8.1	25
102	Ordered mesoporous CoO/CeO2 heterostructures with highly crystallized walls and enhanced peroxidase-like bioactivity. *Applied Materials Today*, **2019**, 15, 482-493	6.6	24
101	Two-Dimensional Phosphorus Oxides as Energy and Information Materials. *Angewandte Chemie - International Edition*, **2016**, 55, 8575-80	16.4	24
100	Third-order nonlinear optical vitreous material derived from mesoporous silica incorporated with Au nanoparticles. *Journal of Materials Chemistry C*, **2014**, 2, 6966-6970	7.1	24
99	Highly Ordered Mesoporous Tungsten Oxides with a Large Pore Size and Crystalline Framework for H2S Sensing. *Angewandte Chemie*, **2014**, 126, 9181-9186	3.6	24
98	Carbon-Encapsulated Copper Sulfide Leading to Enhanced Thermoelectric Properties. *ACS Applied Materials & Interfaces*, **2019**, 11, 22457-22463	9.5	22
97	Highly dispersed Pt nanoparticles on ultrasmall EMT zeolite: A peroxidase-mimic nanoenzyme for detection of HO or glucose. *Journal of Colloid and Interface Science*, **2020**, 570, 300-311	9.3	22
96	An Efficient Emulsion-Induced Interface Assembly Approach for Rational Synthesis of Mesoporous Carbon Spheres with Versatile Architectures. *Advanced Functional Materials*, **2020**, 30, 2002488	15.6	22
95	Hierarchical ordered macro/mesoporous titania with a highly interconnected porous structure for efficient photocatalysis. *Journal of Materials Chemistry A*, **2016**, 4, 16446-16453	13	22
94	Mesoporous WO Nanofibers With Crystalline Framework for High-Performance Acetone Sensing. *Frontiers in Chemistry*, **2019**, 7, 266	5	21
93	Copper thiocyanate/copper iodide based hole transport composites with balanced properties for efficient polymer light-emitting diodes. *Journal of Materials Chemistry C*, **2018**, 6, 4895-4902	7.1	21
92	Quantified mass transfer and superior antiflooding performance of ordered macro-mesoporous electrocatalysts. *AICHE Journal*, **2018**, 64, 2881-2889	3.6	19
91	Production of graphene by reduction using a magnesiothermic reaction. *Chemical Communications*, **2013**, 49, 10676-8	5.8	19
90	Pushing the Limit of Ordered Mesoporous Materials via 2D Self-Assembly for Energy Conversion and Storage. *Advanced Functional Materials*, **2021**, 31, 2007496	15.6	19
89	Ambient hydrolysis deposition of TiO2 in nanoporous carbon and the converted TiN□arbon capacitive electrode. *Journal of Materials Chemistry A*, **2014**, 2, 2901	13	18
88	A Resol-Assisted Co-Assembly Approach to Crystalline Mesoporous Niobia Spheres for Electrochemical Biosensing. *Angewandte Chemie*, **2013**, 125, 10699-10704	3.6	18
87	Fluoride ion batteries: Designing flexible M2CH2 (M=Ti or V) MXenes as high-capacity cathode materials. *Nano Energy*, **2020**, 74, 104911	17.1	17

86	Structural prediction of host-guest structure in lithium at high pressure. *Scientific Reports*, **2018**, 8, 5278	4.9	17
85	Big Potential From Silicon-Based Porous Nanomaterials: In Field of Energy Storage and Sensors. *Frontiers in Chemistry*, **2018**, 6, 539	5	17
84	CT/NIRF dual-modal imaging tracking and therapeutic efficacy of transplanted mesenchymal stem cells labeled with Au nanoparticles in silica-induced pulmonary fibrosis. *Journal of Materials Chemistry B*, **2020**, 8, 1713-1727	7.3	16
83	Enhanced butanol production by solvent tolerance Clostridium acetobutylicum SE25 from cassava flour in a fibrous bed bioreactor. *Bioresource Technology*, **2016**, 221, 412-418	11	16
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81	Spatially Confined Tuning the Interfacial Synergistic Catalysis in Mesochannels toward Selective Catalytic Reduction. *ACS Applied Materials & Interfaces*, **2019**, 11, 19242-19251	9.5	14
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79	Amphiphilic block copolymers directed synthesis of mesoporous nickel-based oxides with bimodal mesopores and nanocrystal-assembled walls. *Chinese Chemical Letters*, **2019**, 30, 2003-2008	8.1	14
78	Chemical Vapor Deposition Mediated Phase Engineering for 2D Transition Metal Dichalcogenides: Strategies and Applications. *Small Science*,2100047		14
77	Controllable synthesis of highly crystallized mesoporous TiO2/WO3 heterojunctions for acetone gas sensing. *Chinese Chemical Letters*, **2020**, 31, 1119-1123	8.1	14
76	Ground-state structure of semiconducting and superconducting phases in xenon carbides at high pressure. *Scientific Reports*, **2019**, 9, 2459	4.9	13
75	Sinterability Enhancement by Collapse of Mesoporous Structure of SBA-15 in Fabrication of Highly Transparent Silica Glass. *Journal of the American Ceramic Society*, **2015**, 98, 1056-1059	3.8	13
74	Porous-Carbon-Confined Formation of Monodisperse Iron Nanoparticle Yolks toward Versatile Nanoreactors for Metal Extraction. *Chemistry - A European Journal*, **2018**, 24, 15663-15668	4.8	13
73	Formation and electronic properties of palladium hydrides and palladium-rhodium dihydride alloys under pressure. *Scientific Reports*, **2017**, 7, 3520	4.9	13
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71	Liquid Phase Interfacial Surface-Enhanced Raman Scattering Platform for Ratiometric Detection of MicroRNA 155. *Analytical Chemistry*, **2020**, 92, 15573-15578	7.8	12
70	Organic/Inorganic Hybrid Fibers: Controllable Architectures for Electrochemical Energy Applications. *Advanced Science*, **2021**, 8, e2102859	13.6	11
69	Stepwise construction of Pt decorated oxygen-deficient mesoporous titania microspheres with core-shell structure and magnetic separability for efficient visible-light photocatalysis. *Chinese Chemical Letters*, **2020**, 31, 1598-1602	8.1	11

68	Enhanced production of l-tryptophan with glucose feeding and surfactant addition and related metabolic flux redistribution in the recombinant Escherichia coli. *Food Science and Biotechnology*, **2013**, 22, 207-214	3	10
67	Conversion of Catalytically Inert 2D Bismuth Oxide Nanosheets for Effective Electrochemical Hydrogen Evolution Reaction Catalysis via Oxygen Vacancy Concentration Modulation.. *Nano-Micro Letters*, **2022**, 14, 90	19.5	10
66	Interface Heteroatom-doping: Emerging Solutions to Silicon-based Anodes. *Chemistry - an Asian Journal*, **2020**, 15, 1394-1404	4.5	9
65	The High-Pressure Superconducting Phase of Arsenic. *Scientific Reports*, **2018**, 8, 3026	4.9	9
64	Crude glycerol from biodiesel as a carbon source for production of a recombinant highly thermostable β-mannanase by Pichia pastoris. *Biotechnology Letters*, **2018**, 40, 135-141	3	9
63	A facile biliquid-interface co-assembly synthesis of mesoporous vesicles with large pore sizes. *CrystEngComm*, **2016**, 18, 4343-4348	3.3	9
62	Enhancing the Electrochemical Performance of Sodium-Ion Batteries by Building Optimized NiS /NiSe Heterostructures. *Small*, **2021**, 17, e2104186	11	9
61	Variants in Homologous Recombination Genes EXO1 and RAD51 Related with Premature Ovarian Insufficiency. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	9
60	Solid-State Sintering of Glasses with Optical Nonlinearity from Mesoporous Powders. *Journal of the American Ceramic Society*, **2016**, 99, 1579-1586	3.8	9
59	Near-Infrared Broadband Photoluminescence of Bismuth-Doped Zeolite-Derived Silica Glass Prepared by SPS. *Journal of the American Ceramic Society*, **2016**, 99, 121-127	3.8	9
58	Comparison of Additives in Anode: The Case of Graphene, MXene, CNTs Integration with Silicon Inside Carbon Nanofibers. *Acta Metallurgica Sinica (English Letters)*, **2021**, 34, 337-346	2.5	9
57	N 1-{4-[(10S)-Dihydroartemisinin-10-oxyl]}phenylmethylene-N 2-(2-methylquinoline-4-yl)hydrazine derivatives as antiplasmodial falcipain-2 inhibitors. *Medicinal Chemistry Research*, **2012**, 21, 3073-3079	2.2	8
56	Interfacial engineering of core-shell structured mesoporous architectures from single-micelle building blocks. *Nano Today*, **2020**, 35, 100940	17.9	8
55	Ramie-degumming methodologies: A short review. *Journal of Engineered Fibers and Fabrics*, **2020**, 15, 155892502094010	0.9	8
54	Cloning and Expression of a Novel Leucine Dehydrogenase: Characterization and L--Leucine Production. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 186	5.8	7
53	Confined interfacial micelle aggregating assembly of ordered macro-mesoporous tungsten oxides for HS sensing. *Nanoscale*, **2020**, 12, 20811-20819	7.7	7
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51	A Robust Hierarchical MXene/Ni/Aluminosilicate Glass Composite for High-Performance Microwave Absorption.. *Advanced Science*, **2021**, e2104163	13.6	7

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49	Enhancement in sintering driving force derived from in situ ordered structural collapse of mesoporous powders. *Journal of the American Ceramic Society*, **2020**, 103, 5654-5663	3.8	6
48	Impulsive Synchronization of Fractional-Order Chaotic Systems With Actuator Saturation and Control Gain Error. *IEEE Access*, **2020**, 8, 36113-36119	3.5	6
47	Constructing Structurally Ordered High-entropy Alloy Nanoparticles on Nitrogen-rich Mesoporous Carbon Nanosheets for High-performance Oxygen Reduction.. *Advanced Materials*, **2022**, e2110128	24	6
46	Yolk-shell structured Fe@void@mesoporous silica with high magnetization for activating peroxymonosulfate. *Chinese Chemical Letters*, **2020**, 31, 2003-2006	8.1	6
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44	Low-Dimensional Copper Selenide Nanostructures: Controllable Morphology and its Dependence on Electrocatalytic Performance. *ChemElectroChem*, **2019**, 6, 574-580	4.3	6
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42	Revealing the superlative electrochemical properties of o-B2N2 monolayer in Lithium/Sodium-ion batteries. *Nano Energy*, **2022**, 96, 107066	17.1	6
41	A Negative Regulator of Carotenogenesis in. *Applied and Environmental Microbiology*, **2020**, 86,	4.8	5
40	Regulating ambient pressure approach to graphitic carbon nitride towards dispersive layers and rich pyridinic nitrogen. *Chinese Chemical Letters*, **2020**, 31, 1603-1607	8.1	5
39	Solution-phase synthesis of ordered mesoporous carbon as resonant-gravimetric sensing material for room-temperature H2S detection. *Chinese Chemical Letters*, **2020**, 31, 1680-1685	8.1	5
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34	A Shear Stress Regulated Assembly Route to Silica Nanotubes and Their Closely Packed Hollow Mesostructures. *Angewandte Chemie*, **2013**, 125, 11817-11820	3.6	4
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32	Ordered mesoporous carbon-silica frameworks confined magnetic mesoporous TiO2 as an efficient catalyst under acoustic cavitation energy. *Journal of Materiomics*, **2020**, 6, 45-53	6.7	4
31	Electrostatic Interactions Leading to Hierarchical Interpenetrating Electroconductive Networks in Silicon Anodes for Fast Lithium Storage. *Chemistry - A European Journal*, **2021**, 27, 9320-9327	4.8	4
30	B-incorporated, N-doped hierarchically porous carbon nanosheets as anodes for boosted potassium storage capability. *Chinese Chemical Letters*, **2021**, 33, 480-480	8.1	4
29	Cobalt-based magnetic Weyl semimetals with high-thermodynamic stabilities. *Npj Computational Materials*, **2021**, 7,	10.9	4
28	Enriching Atomic Cobalt in an Ultrathin Porous Carbon Shell for Enhanced Electrocatalysis. *ACS Applied Materials & Interfaces*, **2021**,	9.5	4
27	Phase engineering of dual active 2D Bi2O3-based nanocatalysts for alkaline hydrogen evolution reaction electrocatalysis. *Journal of Materials Chemistry A*,	13	3
26	Highly Improved Microwave Absorbing and Mechanical Properties in Cold Sintered ZnO by Incorporating Graphene Oxide. *Journal of the European Ceramic Society*, **2021**,	6	3
25	Residual Chlorine Induced Cationic Active Species on a Porous Copper Electrocatalyst for Highly Stable Electrochemical CO2 Reduction to C2+. *Angewandte Chemie*, **2021**, 133, 11588-11594	3.6	3
24	Blakeslea trispora Photoreceptors: Identification and Functional Analysis. *Applied and Environmental Microbiology*, **2020**, 86,	4.8	3
23	Modulating the Electronic Structure of FeCo Nanoparticles in N-Doped Mesoporous Carbon for Efficient Oxygen Reduction Reaction.. *Advanced Science*, **2022**, e2200394	13.6	3
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