

Wei Luo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Constructing Structurally Ordered High-entropy Alloy Nanoparticles on Nitrogen-rich Mesoporous Carbon Nanosheets for High-performance Oxygen Reduction.. <i>Advanced Materials</i> , 2022 , e2110128	24	6
174	General Cutting Load Model for Workload Simulation in Spindle Reliability Test. <i>Machines</i> , 2022 , 10, 144	2.9	1
173	Modulating the Electronic Structure of FeCo Nanoparticles in N-Doped Mesoporous Carbon for Efficient Oxygen Reduction Reaction.. <i>Advanced Science</i> , 2022 , e2200394	13.6	3
172	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> , 2022 , 14, 90	19.5	10
171	Highly ordered mesoporous 1T-MoTe ₂ /m-SiO ₂ composite as efficient microwave absorber. <i>Microporous and Mesoporous Materials</i> , 2022 , 111894	5.3	0
170	Revealing the superlative electrochemical properties of o-B ₂ N ₂ monolayer in Lithium/Sodium-ion batteries. <i>Nano Energy</i> , 2022 , 96, 107066	17.1	6
169	In-situ reconstructed Ru atom array on MnO ₂ with enhanced performance for acidic water oxidation. <i>Nature Catalysis</i> , 2021 , 4, 1012-1023	36.5	37
168	Comparative Analysis Among Different Species Reveals That the Androgen Receptor Regulates Chicken Follicle Selection Through Species-Specific Genes Related to Follicle Development.. <i>Frontiers in Genetics</i> , 2021 , 12, 752976	4.5	
167	Organic/Inorganic Hybrid Fibers: Controllable Architectures for Electrochemical Energy Applications. <i>Advanced Science</i> , 2021 , 8, e2102859	13.6	11
166	Enhancing the Electrochemical Performance of Sodium-Ion Batteries by Building Optimized NiS/NiSe Heterostructures. <i>Small</i> , 2021 , 17, e2104186	11	9
165	Highly Improved Microwave Absorbing and Mechanical Properties in Cold Sintered ZnO by Incorporating Graphene Oxide. <i>Journal of the European Ceramic Society</i> , 2021 ,	6	3
164	Ultra-low temperature preparation of mullite glass-ceramics with high transparency sintered from EMT-type zeolite. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 3158-3166	3.8	2
163	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> , 2021 , 60, 11487-11493	16.4	39
162	Residual Chlorine Induced Cationic Active Species on a Porous Copper Electrocatalyst for Highly Stable Electrochemical CO ₂ Reduction to C ₂ +. <i>Angewandte Chemie</i> , 2021 , 133, 11588-11594	3.6	3
161	Oriented assembly of monomicelles in beam stream enabling bimodal mesoporous metal oxide nanofibers. <i>Science China Materials</i> , 2021 , 64, 2486-2496	7.1	0
160	Electrostatic Interactions Leading to Hierarchical Interpenetrating Electroconductive Networks in Silicon Anodes for Fast Lithium Storage. <i>Chemistry - A European Journal</i> , 2021 , 27, 9320-9327	4.8	4
159	In-Situ Reduction of Mo-Based Composite Particles during Laser Powder Bed Fusion. <i>Crystals</i> , 2021 , 11, 702	2.3	2

158	B-incorporated, N-doped hierarchically porous carbon nanosheets as anodes for boosted potassium storage capability. <i>Chinese Chemical Letters</i> , 2021 , 33, 480-480	8.1	4
157	Boron doping-induced interconnected assembly approach for mesoporous silicon oxycarbide architecture. <i>National Science Review</i> , 2021 , 8, nwaa152	10.8	38
156	A confined micro-reactor with a movable Fe ₃ O ₄ core and a mesoporous TiO ₂ shell for a photocatalytic Fenton-like degradation of bisphenol A. <i>Chinese Chemical Letters</i> , 2021 , 32, 1456-1461	8.1	6
155	Screening and identification of pectinolytic bacteria for ramie degumming. <i>Textile Reseach Journal</i> , 2021 , 91, 1056-1064	1.7	2
154	Sub-nanometric Manganous Oxide Clusters in Nitrogen Doped Mesoporous Carbon Nanosheets for High-Performance Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2021 , 21, 700-708	11.5	26
153	Comparison of Additives in Anode: The Case of Graphene, MXene, CNTs Integration with Silicon Inside Carbon Nanofibers. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021 , 34, 337-346	2.5	9
152	Pushing the Limit of Ordered Mesoporous Materials via 2D Self-Assembly for Energy Conversion and Storage. <i>Advanced Functional Materials</i> , 2021 , 31, 2007496	15.6	19
151	When Silicon Materials Meet Natural Sources: Opportunities and Challenges for Low-Cost Lithium Storage. <i>Small</i> , 2021 , 17, e1904508	11	29
150	Mesoporous Materials-Based Electrochemical Biosensors from Enzymatic to Nonenzymatic. <i>Small</i> , 2021 , 17, e1904022	11	27
149	Cobalt-based magnetic Weyl semimetals with high-thermodynamic stabilities. <i>Npj Computational Materials</i> , 2021 , 7,	10.9	4
148	Atomistic Site Control of Pd in Crystalline MnO ₂ Nanofiber for Enhanced Electrocatalysis. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2002060	4.6	
147	Research on Sensitive Measuring Points for Vibration Fault of NC Turret Based on Energy Flow and Transfer Path. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-16	1.1	
146	The nonlinear optical properties of silver nanoparticles decorated glass obtained from sintering mesoporous powders. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 2571-2578	3.8	
145	Enriching Atomic Cobalt in an Ultrathin Porous Carbon Shell for Enhanced Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	4
144	Incorporating Cobalt Nanoparticles in Nitrogen-Doped Mesoporous Carbon Spheres through Composite Micelle Assembly for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 38604-38612	9.5	7
143	Synthesis of L-asparagine Catalyzed by a Novel Asparagine Synthase Coupled With an ATP Regeneration System. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 747404	5.8	1
142	Multilevel Regulation of Carotenoid Synthesis by Light and Active Oxygen in. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 10974-10988	5.7	1
141	Red Phosphorus Anchored on Nitrogen-Doped Carbon Bubble-Carbon Nanotube Network for Highly Stable and Fast-Charging Lithium-Ion Batteries. <i>Small</i> , 2021 , e2105866	11	2

140	A Robust Hierarchical MXene/Ni/Aluminosilicate Glass Composite for High-Performance Microwave Absorption.. <i>Advanced Science</i> , 2021 , e2104163	13.6	7
139	Liquid Phase Interfacial Surface-Enhanced Raman Scattering Platform for Ratiometric Detection of MicroRNA 155. <i>Analytical Chemistry</i> , 2020 , 92, 15573-15578	7.8	12
138	An Adaptive Bayesian Melding Method for Reliability Evaluation Via Limited Failure Data: An Application to the Servo Turret. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7591	2.6	0
137	Two-dimensional topological semimetals protected by symmorphic symmetries. <i>Physical Review B</i> , 2020 , 101,	3.3	4
136	Recent advances on the synthesis of mesoporous metals for electrocatalytic methanol oxidation. <i>Emergent Materials</i> , 2020 , 3, 291-306	3.5	2
135	Interface-Amorphized TiC@Si/SiO@TiO Anodes with Sandwiched Structures and Stable Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24796-24805	9.5	29
134	Structure-based drug designing and immunoinformatics approach for SARS-CoV-2. <i>Science Advances</i> , 2020 , 6, eabb8097	14.3	97
133	A carbon network strategy to synthesize silicon-carbon anodes toward regulated morphologies during molten salt reduction. <i>CrystEngComm</i> , 2020 , 22, 4894-4902	3.3	
132	Interface Heteroatom-doping: Emerging Solutions to Silicon-based Anodes. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 1394-1404	4.5	9
131	Highly dispersed Pt nanoparticles on ultrasmall EMT zeolite: A peroxidase-mimic nanoenzyme for detection of HO or glucose. <i>Journal of Colloid and Interface Science</i> , 2020 , 570, 300-311	9.3	22
130	Enhancement in sintering driving force derived from in situ ordered structural collapse of mesoporous powders. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 5654-5663	3.8	6
129	An Efficient Emulsion-Induced Interface Assembly Approach for Rational Synthesis of Mesoporous Carbon Spheres with Versatile Architectures. <i>Advanced Functional Materials</i> , 2020 , 30, 2002488	15.6	22
128	Heterogeneous Single-Atom Catalysts for Electrochemical CO Reduction Reaction. <i>Advanced Materials</i> , 2020 , 32, e2001848	24	148
127	Dendritic Cell-Inspired Designed Architectures toward Highly Efficient Electrocatalysts for Nitrate Reduction Reaction. <i>Small</i> , 2020 , 16, e2001775	11	35
126	Impulsive Synchronization of Fractional-Order Chaotic Systems With Actuator Saturation and Control Gain Error. <i>IEEE Access</i> , 2020 , 8, 36113-36119	3.5	6
125	CT/NIRF dual-modal imaging tracking and therapeutic efficacy of transplanted mesenchymal stem cells labeled with Au nanoparticles in silica-induced pulmonary fibrosis. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 1713-1727	7.3	16
124	Sodium/Potassium-Ion Batteries: Boosting the Rate Capability and Cycle Life by Combining Morphology, Defect and Structure Engineering. <i>Advanced Materials</i> , 2020 , 32, e1904320	24	191
123	Fluoride ion batteries: Designing flexible M ₂ CH ₂ (M=Ti or V) MXenes as high-capacity cathode materials. <i>Nano Energy</i> , 2020 , 74, 104911	17.1	17

122	Cloning and Expression of a Novel Leucine Dehydrogenase: Characterization and L--Leucine Production. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 186	5.8	7
121	Properties of MgO transparent ceramics prepared at low temperature using high sintering activity MgO powders. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 5382-5391	3.8	4
120	A Negative Regulator of Carotenogenesis in. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	5
119	Classification method of production system equipment importance based on grey correlation interval AHP-Entropy method. <i>Journal of Advanced Mechanical Design, Systems and Manufacturing</i> , 2020 , 14, JAMDSM0094-JAMDSM0094	0.6	1
118	Regulating ambient pressure approach to graphitic carbon nitride towards dispersive layers and rich pyridinic nitrogen. <i>Chinese Chemical Letters</i> , 2020 , 31, 1603-1607	8.1	5
117	Yolk-shell structured Fe@void@mesoporous silica with high magnetization for activating peroxymonosulfate. <i>Chinese Chemical Letters</i> , 2020 , 31, 2003-2006	8.1	6
116	Solution-phase synthesis of ordered mesoporous carbon as resonant-gravimetric sensing material for room-temperature H ₂ S detection. <i>Chinese Chemical Letters</i> , 2020 , 31, 1680-1685	8.1	5
115	Toward understanding the interaction within Silicon-based anodes for stable lithium storage. <i>Chemical Engineering Journal</i> , 2020 , 385, 123821	14.7	36
114	Stepwise construction of Pt decorated oxygen-deficient mesoporous titania microspheres with core-shell structure and magnetic separability for efficient visible-light photocatalysis. <i>Chinese Chemical Letters</i> , 2020 , 31, 1598-1602	8.1	11
113	A novel FOXL2 mutation in two infertile patients with blepharophimosis-ptosis-epicanthus inversus syndrome. <i>Journal of Assisted Reproduction and Genetics</i> , 2020 , 37, 223-229	3.4	6
112	A Dual-Functional Conductive Framework Embedded with TiN-VN Heterostructures for Highly Efficient Polysulfide and Lithium Regulation toward Stable Li-S Full Batteries. <i>Advanced Materials</i> , 2020 , 32, e1905658	24	154
111	Ordered mesoporous carbon-silica frameworks confined magnetic mesoporous TiO ₂ as an efficient catalyst under acoustic cavitation energy. <i>Journal of Materiomics</i> , 2020 , 6, 45-53	6.7	4
110	Variants in Homologous Recombination Genes EXO1 and RAD51 Related with Premature Ovarian Insufficiency. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	9
109	Interfacial engineering of core-shell structured mesoporous architectures from single-micelle building blocks. <i>Nano Today</i> , 2020 , 35, 100940	17.9	8
108	Ramie-degumming methodologies: A short review. <i>Journal of Engineered Fibers and Fabrics</i> , 2020 , 15, 155892502094010	0.9	8
107	Polydopamine-Derived Carbon: What a Critical Role for Lithium Storage?. <i>Frontiers in Energy Research</i> , 2020 , 8,	3.8	2
106	Confined interfacial micelle aggregating assembly of ordered macro-mesoporous tungsten oxides for HS sensing. <i>Nanoscale</i> , 2020 , 12, 20811-20819	7.7	7
105	Liquid-Phase Assisted Engineering of Highly Strong SiC Composite Reinforced by Multiwalled Carbon Nanotubes. <i>Advanced Science</i> , 2020 , 7, 2002225	13.6	2

104	Bowl-like mesoporous polymer-induced interface growth of molybdenum disulfide for stable lithium storage. <i>Chemical Engineering Journal</i> , 2020 , 381, 122651	14.7	27
103	Controllable synthesis of highly crystallized mesoporous TiO ₂ /WO ₃ heterojunctions for acetone gas sensing. <i>Chinese Chemical Letters</i> , 2020 , 31, 1119-1123	8.1	14
102	Blakeslea trispora Photoreceptors: Identification and Functional Analysis. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	3
101	Hollow-Carbon-Templated Few-Layered VS Nanosheets Enabling Ultrafast Potassium Storage and Long-Term Cycling. <i>ACS Nano</i> , 2019 , 13, 7939-7948	16.7	97
100	Carbon-Encapsulated Copper Sulfide Leading to Enhanced Thermoelectric Properties. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22457-22463	9.5	22
99	Facile synthesis of mesoporous WO ₃ @graphene aerogel nanocomposites for low-temperature acetone sensing. <i>Chinese Chemical Letters</i> , 2019 , 30, 2032-2038	8.1	25
98	Spatially Confined Tuning the Interfacial Synergistic Catalysis in Mesochannels toward Selective Catalytic Reduction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19242-19251	9.5	14
97	Ordered mesoporous CoO/CeO ₂ heterostructures with highly crystallized walls and enhanced peroxidase-like bioactivity. <i>Applied Materials Today</i> , 2019 , 15, 482-493	6.6	24
96	Mesoporous WO Nanofibers With Crystalline Framework for High-Performance Acetone Sensing. <i>Frontiers in Chemistry</i> , 2019 , 7, 266	5	21
95	Genetic algorithm prediction of pressure-induced multiferroicity in the perovskite PbCoO ₃ . <i>Physical Review B</i> , 2019 , 99,	3.3	4
94	Engineering the Distribution of Carbon in Silicon Oxide Nanospheres at the Atomic Level for Highly Stable Anodes. <i>Angewandte Chemie</i> , 2019 , 131, 6741-6745	3.6	14
93	Engineering the Distribution of Carbon in Silicon Oxide Nanospheres at the Atomic Level for Highly Stable Anodes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6669-6673	16.4	142
92	Ground-state structure of semiconducting and superconducting phases in xenon carbides at high pressure. <i>Scientific Reports</i> , 2019 , 9, 2459	4.9	13
91	A Unique ATPase, ArtR (PA4595), Represses the Type III Secretion System in. <i>Frontiers in Microbiology</i> , 2019 , 10, 560	5.7	4
90	Controlled PEGylation of periodic mesoporous organosilica nanospheres for improving their stability in physiological solutions. <i>Chinese Chemical Letters</i> , 2019 , 30, 929-932	8.1	6
89	Amphiphilic block copolymers directed synthesis of mesoporous nickel-based oxides with bimodal mesopores and nanocrystal-assembled walls. <i>Chinese Chemical Letters</i> , 2019 , 30, 2003-2008	8.1	14
88	Large-Pore Mesoporous CeO ₂ -ZrO ₂ Solid Solutions with In-Pore Confined Pt Nanoparticles for Enhanced CO Oxidation. <i>Small</i> , 2019 , 15, e1903058	11	27
87	Study of Oleophobic Modification of Fiber Material Surface and Its Performance. <i>Fibers and Polymers</i> , 2019 , 20, 1145-1154	2	1

86	Tailoring the Assembly of Iron Nanoparticles in Carbon Microspheres toward High-Performance Electrocatalytic Denitrification. <i>Nano Letters</i> , 2019 , 19, 5423-5430	11.5	72
85	Boosting the initial coulombic efficiency in silicon anodes through interfacial incorporation of metal nanocrystals. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 17426-17434	13	61
84	Rational Synthesis and Gas Sensing Performance of Ordered Mesoporous Semiconducting WO/NiO Composites. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26268-26276	9.5	48
83	Hierarchical Branched Mesoporous TiO-SnO Nanocomposites with Well-Defined n-n Heterojunctions for Highly Efficient Ethanol Sensing. <i>Advanced Science</i> , 2019 , 6, 1902008	13.6	47
82	Ultrathin and Light-Weight Graphene Aerogel with Precisely Tunable Density for Highly Efficient Microwave Absorbing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46386-46396	9.5	52
81	Silicon: toward eco-friendly reduction techniques for lithium-ion battery applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 24715-24737	13	40
80	Bimetallic PdCu Nanocrystals Immobilized by Nitrogen-Containing Ordered Mesoporous Carbon for Electrocatalytic Denitrification. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 3861-3868	9.5	34
79	Pore Engineering of Mesoporous Tungsten Oxides for Ultrasensitive Gas Sensing. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1801269	4.6	26
78	Low-Dimensional Copper Selenide Nanostructures: Controllable Morphology and its Dependence on Electrocatalytic Performance. <i>ChemElectroChem</i> , 2019 , 6, 574-580	4.3	6
77	Quantified mass transfer and superior antiflooding performance of ordered macro-mesoporous electrocatalysts. <i>AIChE Journal</i> , 2018 , 64, 2881-2889	3.6	19
76	Structural prediction of host-guest structure in lithium at high pressure. <i>Scientific Reports</i> , 2018 , 8, 52784.9	17	
75	The High-Pressure Superconducting Phase of Arsenic. <i>Scientific Reports</i> , 2018 , 8, 3026	4.9	9
74	Copper thiocyanate/copper iodide based hole transport composites with balanced properties for efficient polymer light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4895-4902	7.1	21
73	Crude glycerol from biodiesel as a carbon source for production of a recombinant highly thermostable β -mannanase by <i>Pichia pastoris</i> . <i>Biotechnology Letters</i> , 2018 , 40, 135-141	3	9
72	Porous-Carbon-Confined Formation of Monodisperse Iron Nanoparticle Yolks toward Versatile Nanoreactors for Metal Extraction. <i>Chemistry - A European Journal</i> , 2018 , 24, 15663-15668	4.8	13
71	Thin Film Thermoelectric Materials: Classification, Characterization, and Potential for Wearable Applications. <i>Coatings</i> , 2018 , 8, 244	2.9	31
70	Unusual Ferroelectricity in Two-Dimensional Perovskite Oxide Thin Films. <i>Nano Letters</i> , 2018 , 18, 595-601	11.5	28
69	Big Potential From Silicon-Based Porous Nanomaterials: In Field of Energy Storage and Sensors. <i>Frontiers in Chemistry</i> , 2018 , 6, 539	5	17

68	New Insight into the Synthesis of Large-Pore Ordered Mesoporous Materials. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1706-1713	16.4	216
67	Ordered Mesoporous Alumina with Ultra-Large Pores as an Efficient Absorbent for Selective Bioenrichment. <i>Chemistry of Materials</i> , 2017 , 29, 2211-2217	9.6	72
66	Oxygen-deficient WO ₃ @TiO ₂ core-shell nanosheets for efficient photoelectrochemical oxidation of neutral water solutions. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14697-14706	13	55
65	Amorphous TiO Shells: A Vital Elastic Buffering Layer on Silicon Nanoparticles for High-Performance and Safe Lithium Storage. <i>Advanced Materials</i> , 2017 , 29, 1700523	24	265
64	Enhancing the performance of Ce:YAG phosphor-in-silica-glass by controlling interface reaction. <i>Acta Materialia</i> , 2017 , 130, 289-296	8.4	39
63	Surface and Interface Engineering of Silicon-Based Anode Materials for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1701083	21.8	249
62	Two-dimensional hyperferroelectric metals: A different route to ferromagnetic-ferroelectric multiferroics. <i>Physical Review B</i> , 2017 , 96,	3.3	77
61	Formation and electronic properties of palladium hydrides and palladium-rhodium dihydride alloys under pressure. <i>Scientific Reports</i> , 2017 , 7, 3520	4.9	13
60	Controlled Synthesis of Ordered Mesoporous Carbon-Cobalt Oxide Nanocomposites with Large Mesopores and Graphitic Walls. <i>Chemistry of Materials</i> , 2016 , 28, 7773-7780	9.6	57
59	A Micelle Fusion-Aggregation Assembly Approach to Mesoporous Carbon Materials with Rich Active Sites for Ultrasensitive Ammonia Sensing. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12586-95	16.4	116
58	Chelation-assisted soft-template synthesis of ordered mesoporous zinc oxides for low concentration gas sensing. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15064-15071	13	68
57	Germanium Nanograin Decoration on Carbon Shell: Boosting Lithium-Storage Properties of Silicon Nanoparticles. <i>Advanced Functional Materials</i> , 2016 , 26, 7800-7806	15.6	59
56	Enhanced butanol production by solvent tolerance <i>Clostridium acetobutylicum</i> SE25 from cassava flour in a fibrous bed bioreactor. <i>Bioresource Technology</i> , 2016 , 221, 412-418	11	16
55	Hierarchical ordered macro/mesoporous titania with a highly interconnected porous structure for efficient photocatalysis. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16446-16453	13	22
54	Two-Dimensional Phosphorus Oxides as Energy and Information Materials. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8575-80	16.4	24
53	Nanoparticles: Germanium Nanograin Decoration on Carbon Shell: Boosting Lithium-Storage Properties of Silicon Nanoparticles (Adv. Funct. Mater. 43/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 7799-7799	15.6	
52	Silicon/Mesoporous Carbon/Crystalline TiO Nanoparticles for Highly Stable Lithium Storage. <i>ACS Nano</i> , 2016 , 10, 10524-10532	16.7	197
51	Amphiphilic Block Copolymer Templated Synthesis of Mesoporous Indium Oxides with Nanosheet-Assembled Pore Walls. <i>Chemistry of Materials</i> , 2016 , 28, 7997-8005	9.6	59

50	NiPt Nanocatalysts Supported on Boron and Nitrogen Co-Doped Graphene for Superior Hydrazine Dehydrogenation and Methanol Oxidation. <i>ChemCatChem</i> , 2016 , 8, 1410-1416	5.2	29
49	Synthesis of Ordered Mesoporous Silica with Tunable Morphologies and Pore Sizes via a Nonpolar Solvent-Assisted StBer Method. <i>Chemistry of Materials</i> , 2016 , 28, 2356-2362	9.6	131
48	A facile biliquid-interface co-assembly synthesis of mesoporous vesicles with large pore sizes. <i>CrystEngComm</i> , 2016 , 18, 4343-4348	3.3	9
47	Critical thickness of phenolic resin-based carbon interfacial layer for improving long cycling stability of silicon nanoparticle anodes. <i>Nano Energy</i> , 2016 , 27, 255-264	17.1	163
46	Solid-State Sintering of Glasses with Optical Nonlinearity from Mesoporous Powders. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 1579-1586	3.8	9
45	Direct Superassemblies of Freestanding Metal-Carbon Frameworks Featuring Reversible Crystalline-Phase Transformation for Electrochemical Sodium Storage. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16533-16541	16.4	97
44	Near-Infrared Broadband Photoluminescence of Bismuth-Doped Zeolite-Derived Silica Glass Prepared by SPS. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 121-127	3.8	9
43	Monodisperse mesoporous TiO ₂ microspheres for dye sensitized solar cells. <i>Nano Energy</i> , 2016 , 26, 16-25	7.1	43
42	Low-surface-area hard carbon anode for na-ion batteries via graphene oxide as a dehydration agent. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 2626-31	9.5	188
41	Sinterability Enhancement by Collapse of Mesoporous Structure of SBA-15 in Fabrication of Highly Transparent Silica Glass. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1056-1059	3.8	13
40	Performance of system consisting of vertical flow trickling filter and horizontal flow multi-soil-layering reactor for treatment of rural wastewater. <i>Bioresource Technology</i> , 2015 , 193, 424-32	11	58
39	An Interface Coassembly in Biliquid Phase: Toward Core-Shell Magnetic Mesoporous Silica Microspheres with Tunable Pore Size. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13282-9	16.4	208
38	Biodegradation of acetochlor by a newly isolated Pseudomonas strain. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 176, 636-44	3.2	4
37	Mesoporous TiO ₂ Mesocrystals: Remarkable Defects-Induced Crystallite-Interface Reactivity and Their in Situ Conversion to Single Crystals. <i>ACS Central Science</i> , 2015 , 1, 400-8	16.8	63
36	Carbon Electrodes for K-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11566-9	16.4	1190
35	Electrochemically Expandable Soft Carbon as Anodes for Na-Ion Batteries. <i>ACS Central Science</i> , 2015 , 1, 516-22	16.8	167
34	Emulsion-templated poly(acrylamide)s by using polyvinyl alcohol (PVA) stabilized CO ₂ -in-water emulsions and their applications in tissue engineering scaffolds. <i>RSC Advances</i> , 2015 , 5, 92017-92024	3.7	15
33	Improved Thermoelectric Performance of Silver Nanoparticles-Dispersed Bi ₂ Te ₃ Composites Deriving from Hierarchical Two-Phased Heterostructure. <i>Advanced Functional Materials</i> , 2015 , 25, 966-978	15.6	198

32	Tricomponent Coassembly Approach To Synthesize Ordered Mesoporous Carbon/Silica Nanocomposites and Their Derivative Mesoporous Silicas with Dual Porosities. <i>Chemistry of Materials</i> , 2014 , 26, 2438-2444	9.6	37
31	Mechanisms and strategies of microbial cometabolism in the degradation of organic compounds - chlorinated ethylenes as the model. <i>Water Science and Technology</i> , 2014 , 69, 1971-83	2.2	27
30	Ambient hydrolysis deposition of TiO ₂ in nanoporous carbon and the converted TiN/carbon capacitive electrode. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2901	13	18
29	Prediction of silicon-based layered structures for optoelectronic applications. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15992-7	16.4	36
28	Ordered mesoporous C/TiO ₂ composites as advanced sonocatalysts. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16452-16458	13	30
27	Facile synthesis of one-dimensional peapod-like Sb@C submicron-structures. <i>Chemical Communications</i> , 2014 , 50, 5435-7	5.8	50
26	Pyrolysis of cellulose under ammonia leads to nitrogen-doped nanoporous carbon generated through methane formation. <i>Nano Letters</i> , 2014 , 14, 2225-9	11.5	240
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24	Highly ordered mesoporous tungsten oxides with a large pore size and crystalline framework for H ₂ S sensing. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9035-40	16.4	215
23	An Organic Pigment as a High-Performance Cathode for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2014 , 4, 1400554	21.8	280
22	Highly Ordered Mesoporous Tungsten Oxides with a Large Pore Size and Crystalline Framework for H ₂ S Sensing. <i>Angewandte Chemie</i> , 2014 , 126, 9181-9186	3.6	24
21	Efficient fabrication of nanoporous Si and Si/Ge enabled by a heat scavenger in magnesiothermic reactions. <i>Scientific Reports</i> , 2013 , 3, 2222	4.9	111
20	Synthesis and evaluation in vitro of 1-[2-(10-dihydroartemisininoxy) ethyl]-3-phenylurea derivatives as potential agents against cancer. <i>Medicinal Chemistry Research</i> , 2013 , 22, 3170-3176	2.2	1
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18	Production of graphene by reduction using a magnesiothermic reaction. <i>Chemical Communications</i> , 2013 , 49, 10676-8	5.8	19
17	A resol-assisted co-assembly approach to crystalline mesoporous niobia spheres for electrochemical biosensing. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10505-10	16.4	68
16	Multi-layered mesoporous TiO ₂ thin films with large pores and highly crystalline frameworks for efficient photoelectrochemical conversion. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1591-1599	13	81
15	Enhanced production of L-tryptophan with glucose feeding and surfactant addition and related metabolic flux redistribution in the recombinant Escherichia coli. <i>Food Science and Biotechnology</i> , 2013 , 22, 207-214	3	10

14	A Resol-Assisted Co-Assembly Approach to Crystalline Mesoporous Niobia Spheres for Electrochemical Biosensing. <i>Angewandte Chemie</i> , 2013 , 125, 10699-10704	3.6	18
13	A Shear Stress Regulated Assembly Route to Silica Nanotubes and Their Closely Packed Hollow Mesostructures. <i>Angewandte Chemie</i> , 2013 , 125, 11817-11820	3.6	4
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11	Surface modification of electrospun TiO ₂ nanofibers via layer-by-layer self-assembly for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4910		56
10	Ultrathin CoO/Graphene Hybrid Nanosheets: A Highly Stable Anode Material for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 20794-20799	3.8	142
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