Wei Li

List of Publications by Year in Descending Order

309 papers	24,048 citations	80 h-index	148 g-index
325 ext. papers	28,306 ext. citations	11.8 avg, IF	7.37 L-index

#	Paper	IF	Citations
309	Self-Assembly of Ir-Based Nanosheets with Ordered Interlayer Space for Enhanced Electrocatalytic Water Oxidation.. *Journal of the American Chemical Society*, **2022**,	16.4	9
308	Synthesis and Applications of Mesoporous Nanostructures **2022**,		
307	Constructing Structurally Ordered High-entropy Alloy Nanoparticles on Nitrogen-rich Mesoporous Carbon Nanosheets for High-performance Oxygen Reduction.. *Advanced Materials*, **2022**, e2110128	24	6
306	2D mesoporous materials.. *National Science Review*, **2022**, 9, nwab108	10.8	4
305	Coupling of N-Doped Mesoporous Carbon and N-Ti C in 2D Sandwiched Heterostructure for Enhanced Oxygen Electroreduction.. *Small*, **2022**, e2106581	11	0
304	Modulating the Electronic Structure of FeCo Nanoparticles in N-Doped Mesoporous Carbon for Efficient Oxygen Reduction Reaction.. *Advanced Science*, **2022**, e2200394	13.6	3
303	Self-Assembly of Copolymers Containing Crystallizable Blocks: Strategies and Applications.. *Macromolecular Rapid Communications*, **2022**, e2200071	4.8	0
302	Highly enhanced photocatalytic property dominantly owing to the synergic effects of much negative Ecb and S-scheme heterojunctions in composite g-C3N4/Mo-doped WO3. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 642, 128682	5.1	0
301	Embedding ZnCdS@ZnIn2S4 into thiazole-modified g-C3N4 by electrostatic self-assembly to build dual Z-scheme heterojunction with spatially separated active centers for photocatalytic H2 evolution and ofloxacin degradation. *Separation and Purification Technology*, **2022**, 290, 120858	8.3	2
300	Edible Amorphous Structural Color. *Advanced Optical Materials*, **2022**, 10, 2102125	8.1	2
299	Recent Advances in the Marriage of Catalyst Nanoparticles and Mesoporous Supports. *Advanced Materials Interfaces*, **2022**, 9, 2101528	4.6	1
298	Copper Clusters Encapsulated in Carbonaceous Mesoporous Silica Nanospheres for the Valorization of Biomass-Derived Molecules. *ACS Catalysis*, **2022**, 12, 5711-5725	13.1	0
297	Modular super-assembly of hierarchical superstructures from monomicelle building blocks.. *Science Advances*, **2022**, 8, eabo0283	14.3	5
296	Unusual Mesoporous Titanium Niobium Oxides Realizing Sodium-Ion Batteries Operated at -40℃.. *Advanced Materials*, **2022**, e2202873	24	5
295	Integrated p-n/Schottky junctions for efficient photocatalytic hydrogen evolution upon Cu@TiO-CuO ternary hybrids with steering charge transfer.. *Journal of Colloid and Interface Science*, **2022**, 622, 924-937	9.3	1
294	Breaking scaling relationships in alkynol semi-hydrogenation by manipulating interstitial atoms in Pd with d-electron gain.. *Nature Communications*, **2022**, 13, 2754	17.4	5
293	Wood-Derived Carbon Materials and Light-Emitting Materials. *Advanced Materials*, **2021**, 33, e2000596	24	30

292	Spiral self-assembly of lamellar micelles into multi-shelled hollow nanospheres with unique chiral architecture. *Science Advances*, **2021**, 7, eabi7403	14.3	8
291	Computational and data driven molecular material design assisted by low scaling quantum mechanics calculations and machine learning.. *Chemical Science*, **2021**, 12, 14987-15006	9.4	3
290	Interfacial Assembly and Applications of Functional Mesoporous Materials. *Chemical Reviews*, **2021**, 121, 14349-14429	68.1	24
289	Organic/Inorganic Hybrid Fibers: Controllable Architectures for Electrochemical Energy Applications. *Advanced Science*, **2021**, 8, e2102859	13.6	11
288	Synergistic Effect between S and Se Enhancing the Electrochemical Behavior of SexSy in Aqueous Zn Metal Batteries. *Advanced Functional Materials*, **2021**, 31, 2101237	15.6	18
287	Ultra-low temperature preparation of mullite glass-ceramics with high transparency sintered from EMT-type zeolite. *Journal of the American Ceramic Society*, **2021**, 104, 3158-3166	3.8	2
286	General Synthesis of Ultrafine Monodispersed Hybrid Nanoparticles from Highly Stable Monomicelles. *Advanced Materials*, **2021**, 33, e2100820	24	11
285	Programmable synthesis of radially gradient-structured mesoporous carbon nanospheres with tunable core-shell architectures. *CheM*, **2021**, 7, 1020-1032	16.2	25
284	Pd Anchored on a Phytic Acid/Thiourea Polymer as a Highly Active and Stable Catalyst for the Reduction of Nitroarene. *ACS Applied Materials & Interfaces*, **2021**, 13, 19904-19914	9.5	6
283	High-Performance Supercapacitor Device with Ultrathick Electrodes Fabricated from All-Cellulose-Based Carbon Aerogel. *Energy & Fuels*, **2021**, 35, 8295-8302	4.1	10
282	Oriented assembly of monomicelles in beam stream enabling bimodal mesoporous metal oxide nanofibers. *Science China Materials*, **2021**, 64, 2486-2496	7.1	0
281	Hydrolytic Modification of SiO Microspheres with NaSiO and the Performance of Supported Nano-TiO Composite Photocatalyst. *Materials*, **2021**, 14,	3.5	1
280	Recent advances in TiO2-based catalysts for N2 reduction reaction. *SusMat*, **2021**, 1, 174-193		7
279	Inorganic-organic competitive coating strategy derived uniform hollow gradient-structured ferroferric oxide-carbon nanospheres for ultra-fast and long-term lithium-ion battery. *Nature Communications*, **2021**, 12, 2973	17.4	21
278	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
277	N-doped cellulose-based carbon aerogels with a honeycomb-like structure for high-performance supercapacitors. *Journal of Energy Storage*, **2021**, 38, 102414	7.8	3
276	Fabricating Silicon Nanotubes by Electrochemical Exfoliation and Reduction of Layer-Structured CaSiO in Molten Salt. *ACS Applied Materials & Interfaces*, **2021**, 13, 30668-30677	9.5	4
275	Hierarchical Assembly of Two-Dimensional Polymers into Colloidosomes and Microcapsules.. *ACS Macro Letters*, **2021**, 10, 933-939	6.6	1

274	Properly aligned band structures in B-TiO2/MIL53(Fe)/g-C3N4 ternary nanocomposite can drastically improve its photocatalytic activity for H2 evolution: Investigations based on the experimental results. *International Journal of Hydrogen Energy*, **2021**, 46, 21912-21923	6.7	7
273	Hydrogen peroxide enabled two-dimensional molybdenum trioxide nanosheet clusters for enhanced surface Li-ion storage. *Tungsten*, **2021**, 3, 338-347	4.6	0
272	Boron doping-induced interconnected assembly approach for mesoporous silicon oxycarbide architecture. *National Science Review*, **2021**, 8, nwaa152	10.8	38
271	Synthesis of hollow CoSe2/MoSe2 nanospheres for efficient hydrazine-assisted hydrogen evolution. *Chemical Engineering Journal*, **2021**, 404, 126529	14.7	17
270	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
269	Visible-Light Responsive TiO2-Based Materials for Efficient Solar Energy Utilization. *Advanced Energy Materials*, **2021**, 11, 2003303	21.8	36
268	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
267	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
266	Synergetic enhancement of surface reactions and charge separation over holey C3N4/TiO2 2D heterojunctions. *Science Bulletin*, **2021**, 66, 275-283	10.6	24
265	When Silicon Materials Meet Natural Sources: Opportunities and Challenges for Low-Cost Lithium Storage. *Small*, **2021**, 17, e1904508	11	29
264	Mesoporous Materials-Based Electrochemical Biosensors from Enzymatic to Nonenzymatic. *Small*, **2021**, 17, e1904022	11	27
263	The nonlinear optical properties of silver nanoparticles decorated glass obtained from sintering mesoporous powders. *Journal of the American Ceramic Society*, **2021**, 104, 2571-2578	3.8	
262	Monodisperse Ultrahigh Nitrogen-Containing Mesoporous Carbon Nanospheres from Melamine-Formaldehyde Resin.. *Small Methods*, **2021**, 5, e2001137	12.8	16
261	Enriching Atomic Cobalt in an Ultrathin Porous Carbon Shell for Enhanced Electrocatalysis. *ACS Applied Materials & Interfaces*, **2021**,	9.5	4
260	Ultrahigh Adsorption Capacity and Kinetics of Vertically Oriented Mesoporous Coatings for Removal of Organic Pollutants. *Small*, **2021**, 17, e2101363	11	2
259	Incorporating Cobalt Nanoparticles in Nitrogen-Doped Mesoporous Carbon Spheres through Composite Micelle Assembly for High-Performance Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 38604-38612	9.5	7
258	A label-free and homogenous electrochemical assay for matrix metalloproteinase 2 activity monitoring in complex samples based on electrodes modified with orderly distributed mesoporous silica films. *Talanta*, **2021**, 231, 122418	6.2	2
257	Monomicelle-directed synthesis of deformable and porous carbon membranes for bioelectronics. *Matter*, **2021**, 4, 2630-2632	12.7	1

256	Chemically Self-Charging Aqueous Zinc-Organic Battery. *Journal of the American Chemical Society*, **2021**, 143, 15369-15377	16.4	16
255	Sulfur-Based Aqueous Batteries: Electrochemistry and Strategies. *Journal of the American Chemical Society*, **2021**, 143, 15475-15489	16.4	23
254	Asymmetric structure engineering of polymeric carbon nitride for visible-light-driven reduction reactions. *Nano Energy*, **2021**, 87, 106168	17.1	7
253	Understanding size-dependent hydrogenation of dimethyl oxalate to methyl glycolate over Ag catalysts. *Journal of Catalysis*, **2021**, 401, 252-261	7.3	1
252	A review of advanced separators for rechargeable batteries. *Journal of Power Sources*, **2021**, 509, 230372	8.9	14
251	Anchoring strategy for highly active copper nanoclusters in hydrogenation of renewable biomass-derived compounds. *Applied Catalysis B: Environmental*, **2021**, 299, 120651	21.8	2
250	Phase-transfer-assisted confined growth of mesoporous MoS2@graphene van der Waals supraparticles for unprecedented ultrahigh-rate sodium storage. *Journal of Materials Chemistry A*, **2021**, 9, 10714-10721	13	4
249	Recent Progress of Porous Materials in Lithium-Metal Batteries. *Small Structures*, **2021**, 2, 2000118	8.7	31
248	Microdroplet confined assembly enabling the scalable synthesis of titania supported ultrasmall low-valent copper catalysts for efficient photocatalytic activation of peroxymonosulfate. *Nanoscale* , **2021**, 13, 13764-13775	7.7	2
247	Cluster-in-Molecule Local Correlation Method with an Accurate Distant Pair Correction for Large Systems. *Journal of Chemical Theory and Computation*, **2021**, 17, 756-766	6.4	7
246	Recent advances on the synthesis of mesoporous metals for electrocatalytic methanol oxidation. *Emergent Materials*, **2020**, 3, 291-306	3.5	2
245	Template-directed synthesis of mesoporous TiO2 materials for energy conversion and storage. *Emergent Materials*, **2020**, 3, 315-329	3.5	2
244	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
243	Designing Champion Nanostructures of Tungsten Dichalcogenides for Electrocatalytic Hydrogen Evolution. *Advanced Materials*, **2020**, 32, e2002584	24	48
242	A carbon network strategy to synthesize silicon–carbon anodes toward regulated morphologies during molten salt reduction. *CrystEngComm*, **2020**, 22, 4894-4902	3.3	
241	Interface Heteroatom-doping: Emerging Solutions to Silicon-based Anodes. *Chemistry - an Asian Journal*, **2020**, 15, 1394-1404	4.5	9
240	Post-redox engineering electron configurations of atomic thick C3N4 nanosheets for enhanced photocatalytic hydrogen evolution. *Applied Catalysis B: Environmental*, **2020**, 270, 118855	21.8	17
239	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

238	Three-dimensional ordered macroporous magnetic photonic crystal microspheres for enrichment and detection of mycotoxins (I): Droplet-based microfluidic self-assembly synthesis. *Journal of Chromatography A*, **2020**, 1626, 461379	4.5	1
237	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
236	Dendritic Cell-Inspired Designed Architectures toward Highly Efficient Electrocatalysts for Nitrate Reduction Reaction. *Small*, **2020**, 16, e2001775	11	35
235	A Biomimetic-Mineralization-Inspired Hybrid Mesocrystal with Boosted Lithium Storage Properties. *ChemistrySelect*, **2020**, 5, 2240-2246	1.8	0
234	Recent advances in the synthesis of hierarchically mesoporous TiO materials for energy and environmental applications. *National Science Review*, **2020**, 7, 1702-1725	10.8	61
233	Synergy of Mn and Ni enhanced catalytic performance for toluene combustion over Ni-doped MnO2 catalysts. *Chemical Engineering Journal*, **2020**, 388, 124244	14.7	48
232	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
231	Yolk-shell structured Fe@void@mesoporous silica with high magnetization for activating peroxymonosulfate. *Chinese Chemical Letters*, **2020**, 31, 2003-2006	8.1	6
230	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
229	Toward understanding the interaction within Silicon-based anodes for stable lithium storage. *Chemical Engineering Journal*, **2020**, 385, 123821	14.7	36
228	Sequential Chemistry Toward Core-Shell Structured Metal Sulfides as Stable and Highly Efficient Visible-Light Photocatalysts. *Angewandte Chemie - International Edition*, **2020**, 59, 3287-3293	16.4	44
227	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
226	Sequential Chemistry Toward Core Shell Structured Metal Sulfides as Stable and Highly Efficient Visible-Light Photocatalysts. *Angewandte Chemie*, **2020**, 132, 3313-3319	3.6	13
225	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
224	Is graphite lithiophobic or lithiophilic?. *National Science Review*, **2020**, 7, 1208-1217	10.8	66
223	Catalyst consisting of Ag nanoparticles anchored on amine-derivatized mesoporous silica nanospheres for the selective hydrogenation of dimethyl oxalate to methyl glycolate. *Journal of Catalysis*, **2020**, 391, 155-162	7.3	8
222	A Low Cost Aqueous Zn-S Battery Realizing Ultrahigh Energy Density. *Advanced Science*, **2020**, 7, 2000761	13.6	27
221	Engineering Z-scheme TiO-OV-BiOCl via oxygen vacancy for enhanced photocatalytic degradation of imidacloprid. *Dalton Transactions*, **2020**, 49, 11010-11018	4.3	17

220	Mesoporous Materials for Electrochemical Energy Storage and Conversion. *Advanced Energy Materials*, **2020**, 10, 2002152	21.8	65
219	Interfacial engineering of core-shell structured mesoporous architectures from single-micelle building blocks. *Nano Today*, **2020**, 35, 100940	17.9	8
218	Polydopamine-Derived Carbon: What a Critical Role for Lithium Storage?. *Frontiers in Energy Research*, **2020**, 8,	3.8	2
217	Mesoporous black TiO2 phase junction@Ni nanosheets: A highly integrated photocatalyst system. *Journal of the Taiwan Institute of Chemical Engineers*, **2020**, 114, 284-290	5.3	3
216	Enhanced photoresponse and fast charge transfer: three-dimensional macroporous g-C3N4/GO-TiO2 nanostructure for hydrogen evolution. *Journal of Materials Chemistry A*, **2020**, 8, 19533-19543	12	21
215	Confined interfacial micelle aggregating assembly of ordered macro-mesoporous tungsten oxides for HS sensing. *Nanoscale*, **2020**, 12, 20811-20819	7.7	7
214	Nitrogen-doped carbon enhanced mesoporous TiO2 in photocatalytic remediation of organic pollutants. *Research on Chemical Intermediates*, **2020**, 46, 1065-1076	2.8	6
213	Synthesis of sandwich-like graphene@mesoporous nitrogen-doped carbon nanosheets for application in high-performance supercapacitors. *Nanotechnology*, **2020**, 31, 024001	3.4	5
212	Bowl-like mesoporous polymer-induced interface growth of molybdenum disulfide for stable lithium storage. *Chemical Engineering Journal*, **2020**, 381, 122651	14.7	27
211	Controllable synthesis of highly crystallized mesoporous TiO2/WO3 heterojunctions for acetone gas sensing. *Chinese Chemical Letters*, **2020**, 31, 1119-1123	8.1	14
210	Mass production of large-pore phosphorus-doped mesoporous carbon for fast-rechargeable lithium-ion batteries. *Energy Storage Materials*, **2019**, 22, 147-153	19.4	49
209	Spherical Mesoporous Materials from Single to Multilevel Architectures. *Accounts of Chemical Research*, **2019**, 52, 2928-2938	24.3	81
208	Self-Assembled Nanoparticle Supertubes as Robust Platform for Revealing Long-Term, Multiscale Lithiation Evolution. *Matter*, **2019**, 1, 976-987	12.7	26
207	Three-dimensional ordered macroporous magnetic photonic crystal microspheres for enrichment and detection of mycotoxins (II): The application in liquid chromatography with fluorescence detector for mycotoxins. *Journal of Chromatography A*, **2019**, 1604, 460475	4.5	12
206	Defect-engineering of mesoporous TiO2 microspheres with phase junctions for efficient visible-light driven fuel production. *Nano Energy*, **2019**, 66, 104113	17.1	59
205	Janus Mesoporous Sensor Devices for Simultaneous Multivariable Gases Detection. *Matter*, **2019**, 1, 1274-1284	21.7	23
204	In Situ Green Synthesis of Nitrogen-Doped Carbon-Dot-Based Room-Temperature Phosphorescent Materials for Visual Iron Ion Detection. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 18801-18809	8.3	29
203	Hollow-Carbon-Templated Few-Layered VS Nanosheets Enabling Ultrafast Potassium Storage and Long-Term Cycling. *ACS Nano*, **2019**, 13, 7939-7948	16.7	97

202	Nanocrystal supracrystal-derived atomically dispersed Mn-Fe catalysts with enhanced oxygen reduction activity. *Nano Energy*, **2019**, 63, 103851	17.1	55
201	Carbon-Encapsulated Copper Sulfide Leading to Enhanced Thermoelectric Properties. *ACS Applied Materials & Interfaces*, **2019**, 11, 22457-22463	9.5	22
200	Ultrahigh Surface Area N-Doped Hierarchically Porous Carbon for Enhanced CO Capture and Electrochemical Energy Storage. *ChemSusChem*, **2019**, 12, 3541-3549	8.3	25
199	Facile synthesis of mesoporous WO3@graphene aerogel nanocomposites for low-temperature acetone sensing. *Chinese Chemical Letters*, **2019**, 30, 2032-2038	8.1	25
198	Spatially Confined Tuning the Interfacial Synergistic Catalysis in Mesochannels toward Selective Catalytic Reduction. *ACS Applied Materials & Interfaces*, **2019**, 11, 19242-19251	9.5	14
197	Ordered mesoporous CoO/CeO2 heterostructures with highly crystallized walls and enhanced peroxidase-like bioactivity. *Applied Materials Today*, **2019**, 15, 482-493	6.6	24
196	Mesoporous WO Nanofibers With Crystalline Framework for High-Performance Acetone Sensing. *Frontiers in Chemistry*, **2019**, 7, 266	5	21
195	CO2-Assisted synthesis of hierarchically porous carbon as a supercapacitor electrode and dye adsorbent. *Inorganic Chemistry Frontiers*, **2019**, 6, 1141-1151	6.8	3
194	Engineering the Distribution of Carbon in Silicon Oxide Nanospheres at the Atomic Level for Highly Stable Anodes. *Angewandte Chemie*, **2019**, 131, 6741-6745	3.6	14
193	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
192	Synthesis of carbon nanotubes@mesoporous carbon core–shell structured electrocatalysts via a molecule-mediated interfacial co-assembly strategy. *Journal of Materials Chemistry A*, **2019**, 7, 8975-8983	13	36
191	Ultradispersed titanium dioxide nanoparticles embedded in a three-dimensional graphene aerogel for high performance sulfur cathodes.. *RSC Advances*, **2019**, 9, 6568-6575	3.7	4
190	Versatile Nanoemulsion Assembly Approach to Synthesize Functional Mesoporous Carbon Nanospheres with Tunable Pore Sizes and Architectures. *Journal of the American Chemical Society*, **2019**, 141, 7073-7080	16.4	220
189	Controlled PEGylation of periodic mesoporous organosilica nanospheres for improving their stability in physiological solutions. *Chinese Chemical Letters*, **2019**, 30, 929-932	8.1	6
188	Confinement synthesis of hierarchical ordered macro-/mesoporous TiO2 nanostructures with high crystallization for photodegradation. *Chemical Physics*, **2019**, 516, 48-54	2.3	11
187	Large-Pore Mesoporous CeO -ZrO Solid Solutions with In-Pore Confined Pt Nanoparticles for Enhanced CO Oxidation. *Small*, **2019**, 15, e1903058	11	27
186	Molecular Design Strategy for Ordered Mesoporous Stoichiometric Metal Oxide. *Angewandte Chemie*, **2019**, 131, 16010-16015	3.6	6
185	Molecular Design Strategy for Ordered Mesoporous Stoichiometric Metal Oxide. *Angewandte Chemie - International Edition*, **2019**, 58, 15863-15868	16.4	25

184	General Synthesis Approach for Hierarchically Porous Materials via Reverse Microemulsion System. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 13845-13855	8.3	8
183	Tailoring the Assembly of Iron Nanoparticles in Carbon Microspheres toward High-Performance Electrocatalytic Denitrification. *Nano Letters*, **2019**, 19, 5423-5430	11.5	72
182	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
181	Rational Synthesis and Gas Sensing Performance of Ordered Mesoporous Semiconducting WO/NiO Composites. *ACS Applied Materials & Interfaces*, **2019**, 11, 26268-26276	9.5	48
180	Nature-Inspired Multifunctional Bilayer Architecture Advances Bone Defect Repair. *CheM*, **2019**, 5, 2515-2517	25.1	1
179	CeO -Encapsulated Hollow Ag-Au Nanocage Hybrid Nanostructures as High-Performance Catalysts for Cascade Reactions. *Small*, **2019**, 15, e1903182	11	14
178	Preparation of Nonspherical Fluorinated Acrylate Polymer Particles by a Surface Tension Controlling Method and Their Applications in Light-Diffusing Films. *Macromolecular Materials and Engineering*, **2019**, 304, 1900174	3.9	6
177	Detection of IL-8 in human serum using surface-enhanced Raman scattering coupled with highly-branched gold nanoparticles and gold nanocages. *New Journal of Chemistry*, **2019**, 43, 1733-1742	3.6	12
176	Fe-functionalized mesoporous carbonaceous microsphere with high sulfur loading as cathode for lithium-sulfur batteries. *Journal of Electroanalytical Chemistry*, **2019**, 850, 113408	4.1	5
175	Silicon: toward eco-friendly reduction techniques for lithium-ion battery applications. *Journal of Materials Chemistry A*, **2019**, 7, 24715-24737	13	40
174	Bimetallic PdCu Nanocrystals Immobilized by Nitrogen-Containing Ordered Mesoporous Carbon for Electrocatalytic Denitrification. *ACS Applied Materials & Interfaces*, **2019**, 11, 3861-3868	9.5	34
173	Synthesis of uniform ordered mesoporous TiO microspheres with controllable phase junctions for efficient solar water splitting. *Chemical Science*, **2019**, 10, 1664-1670	9.4	82
172	Encapsulating highly crystallized mesoporous Fe3O4 in hollow N-doped carbon nanospheres for high-capacity long-life sodium-ion batteries. *Nano Energy*, **2019**, 56, 426-433	17.1	81
171	Pore Engineering of Mesoporous Tungsten Oxides for Ultrasensitive Gas Sensing. *Advanced Materials Interfaces*, **2019**, 6, 1801269	4.6	26
170	Molecule Self-Assembly Synthesis of Porous Few-Layer Carbon Nitride for Highly Efficient Photoredox Catalysis. *Journal of the American Chemical Society*, **2019**, 141, 2508-2515	16.4	397
169	Fully optimized implementation of the cluster-in-molecule local correlation approach for electron correlation calculations of large systems. *Journal of Computational Chemistry*, **2019**, 40, 1130-1140	3.5	15
168	Low-Dimensional Copper Selenide Nanostructures: Controllable Morphology and its Dependence on Electrocatalytic Performance. *ChemElectroChem*, **2019**, 6, 574-580	4.3	6
167	Mesoporous Organosilica Hollow Nanoparticles: Synthesis and Applications. *Advanced Materials*, **2019**, 31, e1707612	24	106

166	Quantified mass transfer and superior antiflooding performance of ordered macro-mesoporous electrocatalysts. *AICHE Journal*, **2018**, 64, 2881-2889	3.6	19
165	Large-Scale One-Step Synthesis of Carbon Dots from Yeast Extract Powder and Construction of Carbon Dots/PVA Fluorescent Shape Memory Material. *Advanced Optical Materials*, **2018**, 6, 1701150	8.1	57
164	Scalable synthesis of wrinkled mesoporous titania microspheres with uniform large micron sizes for efficient removal of Cr(VI). *Journal of Materials Chemistry A*, **2018**, 6, 3954-3966	13	38
163	Folding Graphene Film Yields High Areal Energy Storage in Lithium-Ion Batteries. *ACS Nano*, **2018**, 12, 1739-1746	16.7	94
162	Deformable Hollow Periodic Mesoporous Organosilica Nanocapsules for Significantly Improved Cellular Uptake. *Journal of the American Chemical Society*, **2018**, 140, 1385-1393	16.4	107
161	A template-catalyzed in situ polymerization and co-assembly strategy for rich nitrogen-doped mesoporous carbon. *Journal of Materials Chemistry A*, **2018**, 6, 3162-3170	13	66
160	Continuous plating/stripping behavior of solid-state lithium metal anode in a 3D ion-conductive framework. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 3770-3775	11.5	178
159	Exposed metal oxide active sites on mesoporous titania channels: a promising design for low-temperature selective catalytic reduction of NO with NH. *Chemical Communications*, **2018**, 54, 3783-3786	5.8	18
158	A long-life aqueous Zn-ion battery based on Na3V2(PO4)2F3 cathode. *Energy Storage Materials*, **2018**, 15, 14-21	19.4	295
157	Lithiophilic Co/Co4N nanoparticles embedded in hollow N-doped carbon nanocubes stabilizing lithium metal anodes for Li□ir batteries. *Journal of Materials Chemistry A*, **2018**, 6, 22096-22105	13	36
156	CoFe2O4 Nanocrystals Mediated Crystallization Strategy for Magnetic Functioned ZSM-5 Catalysts. *Advanced Functional Materials*, **2018**, 28, 1802088	15.6	10
155	Complex silica composite nanomaterials templated with DNA origami. *Nature*, **2018**, 559, 593-598	50.4	233
154	Nanostructured binary copper chalcogenides: synthesis strategies and common applications. *Nanoscale*, **2018**, 10, 15130-15163	7.7	46
153	Magnetic mesoporous TiO2 microspheres for sustainable arsenate removal from acidic environments. *Inorganic Chemistry Frontiers*, **2018**, 5, 2132-2139	6.8	9
152	Iron nanoparticles in capsules: derived from mesoporous silica-protected Prussian blue microcubes for efficient selenium removal. *Chemical Communications*, **2018**, 54, 5887-5890	5.8	23
151	Core-shell structured titanium dioxide nanomaterials for solar energy utilization. *Chemical Society Reviews*, **2018**, 47, 8203-8237	58.5	180
150	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
149	Thin Film Thermoelectric Materials: Classification, Characterization, and Potential for Wearable Applications. *Coatings*, **2018**, 8, 244	2.9	31

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