Jian Liu

List of Publications by Year in Descending Order

295 papers	25,019 citations	69 h-index	152 g-index
319 ext. papers	28,288 ext. citations	9.8 avg, IF	7.36 L-index

#	Paper	IF	Citations
295	Serum Metabolic Fingerprints on Bowl-Shaped Submicroreactor Chip for Chemotherapy Monitoring.. *ACS Nano*, **2022**,	16.7	7
294	Micelle-templating interfacial self-assembly of two-dimensional mesoporous nanosheets for sustainable H2O2 electrosynthesis. *Sustainable Materials and Technologies*, **2022**, e00398	5.3	2
293	Enhancing the heterojunction component-interaction by in-situ hydrothermal growth toward photocatalytic hydrogen evolution.. *Journal of Colloid and Interface Science*, **2022**, 614, 367-377	9.3	0
292	Micro-terminal regulation in nanoreactors for the construction of tantalum pentoxide single-crystal ordered networks with promoting enhanced hydrogen evolution performance. *Chemical Engineering Journal*, **2022**, 431, 134139	14.7	2
291	Nitrogen vacancy-rich porous carbon nitride nanosheets for efficient photocatalytic H2O2 production. *Materials Today Energy*, **2022**, 24, 100926	7	3
290	The structure□ctivity correlation of single-site Ni catalysts dispersed onto porous carbon spheres toward electrochemical CO2 reduction. *Fuel*, **2022**, 321, 124043	7.1	1
289	Carbon-supported Fe catalysts with well-defined active sites for highly selective alcohol production from Fischer-Tropsch synthesis. *Applied Catalysis B: Environmental*, **2022**, 312, 121393	21.8	4
288	Enhanced low-temperature CO2 methanation performance of Ni/ZrO2 catalysts via a phase engineering strategy. *Chemical Engineering Journal*, **2022**, 137031	14.7	0
287	Modulating the electronic structures of layer-expanded MoS2 nanoreactor via cobalt doping and carbon intercalation for enhanced electrocatalytic hydrogen evolution. *Chemical Engineering Journal*, **2022**, 446, 137080	14.7	1
286	Spatial Location and Microenvironment Engineering of Pt-CeO2 Nanoreactors for Selective Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol. *Journal of Physical Chemistry C*, **2021**, 125, 22603-22610	3.8	5
285	Nanospatial Charge Modulation of Monodispersed Polymeric Microsphere Photocatalysts for Exceptional Hydrogen Peroxide Production. *Small*, **2021**, 17, e2103224	11	8
284	Sustainable Carbon Materials toward Emerging Applications.. *Small Methods*, **2021**, 5, e2001250	12.8	12
283	All-pH Stable Sandwich-Structured MoO2/MoS2/C Hollow Nanoreactors for Enhanced Electrochemical Hydrogen Evolution. *Advanced Functional Materials*, **2021**, 31, 2101715	15.6	29
282	Stable Hollow-Structured Silicon Suboxide-Based Anodes toward High-Performance Lithium-Ion Batteries. *Advanced Functional Materials*, **2021**, 31, 2101796	15.6	32
281	Fabrication Method-Engineered Cu□nO/SiO2 Catalysts with Highly Dispersed Metal Nanoparticles toward Efficient Utilization of Methanol as a Hydrogen Carrier. *Advanced Energy and Sustainability Research*, **2021**, 2, 2100082	1.6	0
280	Exceptional Electrochemical HER Performance with Enhanced Electron Transfer between Ru Nanoparticles and Single Atoms Dispersed on a Carbon Substrate. *Angewandte Chemie - International Edition*, **2021**, 60, 16044-16050	16.4	65
279	Microenvironment and Nanoreactor Engineering of Single-Site Metal Catalysts for Electrochemical CO2 Reduction. *Energy & Fuels*, **2021**, 35, 9795-9808	4.1	6

278	Exceptional Electrochemical HER Performance with Enhanced Electron Transfer between Ru Nanoparticles and Single Atoms Dispersed on a Carbon Substrate. *Angewandte Chemie*, **2021**, 133, 16180-16186	3.6	6
277	Non-spherical abrasives with ordered mesoporous structures for chemical mechanical polishing. *Science China Materials*, **2021**, 64, 2747-2763	7.1	4
276	A NiCo sulfide nanosheet/carbon nanotube hybrid film for high-energy and high-power flexible supercapacitors. *Carbon*, **2021**, 178, 355-362	10.4	17
275	Nitrogen-doped porous carbon-encapsulated copper composite for efficient reduction of 4-nitrophenol. *Journal of Colloid and Interface Science*, **2021**, 594, 254-264	9.3	14
274	Atomic Pyridinic Nitrogen Sites Promoting Levulinic Acid Hydrogenations over Double-Shelled Hollow Ru/C Nanoreactors. *Small*, **2021**, 17, e2101271	11	9
273	Engineering of Yolk/Core-Shell Structured Nanoreactors for Thermal Hydrogenations. *Small*, **2021**, 17, e1906250	11	29
272	Engineering Ni/SiO2 catalysts for enhanced CO2 methanation. *Fuel*, **2021**, 285, 119151	7.1	31
271	Stabilization of heterogeneous hydrogenation catalysts for the aqueous-phase reactions of renewable feedstocks. *Chinese Journal of Catalysis*, **2021**, 42, 694-709	11.3	3
270	The design of phase change materials with carbon aerogel composites for multi-responsive thermal energy capture and storage. *Journal of Materials Chemistry A*, **2021**, 9, 1213-1220	13	31
269	Fe atoms anchored on defective nitrogen doped hollow carbon spheres as efficient electrocatalysts for oxygen reduction reaction. *Nano Research*, **2021**, 14, 1069-1077	10	31
268	Engineering heterogenous catalysts for chemical CO2 utilization: Lessons from thermal catalysis and advantages of yolk@shell structured nanoreactors. *Journal of Energy Chemistry*, **2021**, 57, 304-324	12	11
267	A template-free method to synthesis high density iron single atoms anchored on carbon nanotubes for high temperature polymer electrolyte membrane fuel cells. *Nano Energy*, **2021**, 80, 105534	17.1	16
266	Carbon-based catalysts for Fischer-Tropsch synthesis. *Chemical Society Reviews*, **2021**, 50, 2337-2366	58.5	48
265	Atomic/molecular layer deposition for energy storage and conversion. *Chemical Society Reviews*, **2021**, 50, 3889-3956	58.5	39
264	Yolk-Shell Structured Functional Nanoreactors for Organic Transformations. *Nanostructure Science and Technology*, **2021**, 379-394	0.9	
263	Engineering nanoreactors for metal–chalcogen batteries. *Energy and Environmental Science*, **2021**, 14, 540-575	35.4	26
262	Modular Construction of Prussian Blue Analog and TiO Dual-Compartment Janus Nanoreactor for Efficient Photocatalytic Water Splitting. *Advanced Science*, **2021**, 8, 2001987	13.6	24
261	Yolk@Shell Materials for CO2 Conversion: Chemical and Photochemical Applications **2021**, 361-383		

260	Robust nickel silicate catalysts with high Ni loading for CO methanation. *Chemistry - an Asian Journal*, **2021**, 16, 678-689	4.5	9
259	Porous Carbon Nitride Thin Strip: Precise Carbon Doping Regulating Delocalized π-Electron Induces Elevated Photocatalytic Hydrogen Evolution. *Small*, **2021**, 17, e2006622	11	26
258	Precisely Engineering Architectures of Co/C Sub-Microreactors for Selective Syngas Conversion. *Small*, **2021**, 17, e2100082	11	7
257	Mesoscale Diffusion Enhancement of Carbon-Bowl-Shaped Nanoreactor toward High-Performance Electrochemical HO Production. *ACS Applied Materials & Interfaces*, **2021**, 13, 39763-39771	9.5	12
256	Electrochemical release of catalysts in nanoreactors for solid sulfur redox reactions in room-temperature sodium-sulfur batteries. *Cell Reports Physical Science*, **2021**, 2, 100539	6.1	9
255	Flexible carbon nanofiber film with diatomic Fe-Co sites for efficient oxygen reduction and evolution reactions in wearable zinc-air batteries. *Nano Energy*, **2021**, 87, 106147	17.1	26
254	Porous Inorganic Materials for Bioanalysis and Diagnostic Applications. *ACS Biomaterials Science and Engineering*, **2021**,	5.5	2
253	Carbon precursors in coal tar: Extraction and preparation of carbon materials. *Science of the Total Environment*, **2021**, 788, 147697	10.2	0
252	Design of two-dimensional metal-organic framework nanosheets for emerging applications. *FlatChem*, **2021**, 29, 100287	5.1	0
251	Construction of N and Fe co-doped CoO/CoxN interface for excellent OER performance. *Sustainable Materials and Technologies*, **2021**, 29, e00293	5.3	2
250	A theoretical overview on the prevention of coking in dry reforming of methane using non-precious transition metal catalysts. *Journal of CO2 Utilization*, **2021**, 53, 101728	7.6	5
249	Single-atom catalysts for high-energy rechargeable batteries. *Chemical Science*, **2021**, 12, 7656-7676	9.4	18
248	Solar-Driven Carbon Nanoreactor Coupling Gold and Platinum Nanocatalysts for Alcohol Oxidations. *Small*, **2020**, 16, e2002236	11	12
247	Functional Micro/Nanoreactors for Nanospace-Confined Migrations and Diffusions. *ChemNanoMat*, **2020**, 6, 1437-1448	3.5	4
246	Perspectives on the Active Sites and Catalyst Design for the Hydrogenation of Dimethyl Oxalate. *ACS Catalysis*, **2020**, 10, 4465-4490	13.1	20
245	Cu/ZnO Catalysts Derived from Bimetallic Metal-Organic Framework for Dimethyl Ether Synthesis from Syngas with Enhanced Selectivity and Stability. *Small*, **2020**, 16, e1906276	11	11
244	Hollow Carbon Sphere Nanoreactors Loaded with PdCu Nanoparticles: Void-Confinement Effects in Liquid-Phase Hydrogenations. *Angewandte Chemie*, **2020**, 132, 18532-18537	3.6	8
243	Hollow Carbon Sphere Nanoreactors Loaded with PdCu Nanoparticles: Void-Confinement Effects in Liquid-Phase Hydrogenations. *Angewandte Chemie - International Edition*, **2020**, 59, 18374-18379	16.4	54

242	A green route for the synthesis of nano-sized hierarchical ZSM-5 zeolite with excellent DTO catalytic performance. *Chemical Engineering Journal*, **2020**, 388, 124322	14.7	14
241	Vacancy Engineering of Iron-Doped W O Nanoreactors for Low-Barrier Electrochemical Nitrogen Reduction. *Angewandte Chemie - International Edition*, **2020**, 59, 7356-7361	16.4	126
240	Vacancy Engineering of Iron-Doped W18O49 Nanoreactors for Low-Barrier Electrochemical Nitrogen Reduction. *Angewandte Chemie*, **2020**, 132, 7426-7431	3.6	15
239	Nanoporous core@shell particles: Design, preparation, applications in bioadsorption and biocatalysis. *Nano Today*, **2020**, 31, 100834	17.9	54
238	Pillar-free TiO2/Ti3C2 composite with expanded interlayer spacing for high-capacity sodium ion batteries. *Journal of Power Sources*, **2020**, 451, 227756	8.9	37
237	Ultrathin agaric-like ZnO with Pd dopant for aniline sensor and DFT investigation. *Journal of Hazardous Materials*, **2020**, 388, 122069	12.8	28
236	Nitrogen-doped Carbon Nanospheres-Modified Graphitic Carbon Nitride with Outstanding Photocatalytic Activity. *Nano-Micro Letters*, **2020**, 12, 24	19.5	27
235	A novel green enzymatic synthetic route of 2, 3-dihydroxybenzoic acid from glucose and CO2 fixation. *Process Biochemistry*, **2020**, 94, 207-212	4.8	2
234	R□ktitelbild: Vacancy Engineering of Iron-Doped W18O49 Nanoreactors for Low-Barrier Electrochemical Nitrogen Reduction (Angew. Chem. 19/2020). *Angewandte Chemie*, **2020**, 132, 7696-7696	3.6	1
233	Construction of hollow mesoporous silica nanoreactors for enhanced photo-oxidations over Au-Pt catalysts. *National Science Review*, **2020**, 7, 1647-1655	10.8	29
232	In-situ formation of carboxylate species on TiO nanosheets for enhanced visible-light photocatalytic performance. *Journal of Colloid and Interface Science*, **2020**, 577, 512-522	9.3	5
231	Nanoengineering of yolk-shell structured silicas for click chemistry. *Microporous and Mesoporous Materials*, **2020**, 291, 109691	5.3	3
230	Three-dimensional assemblies of carbon nitride tubes as nanoreactors for enhanced photocatalytic hydrogen production. *Journal of Materials Chemistry A*, **2020**, 8, 305-312	13	60
229	Synthesis of Colloidal Mesoporous Silica Spheres with Large Through-Holes on the Shell. *Langmuir*, **2020**, 36, 6984-6993	4	11
228	Innentitelbild: Hollow Carbon Sphere Nanoreactors Loaded with PdCu Nanoparticles: Void-Confinement Effects in Liquid-Phase Hydrogenations (Angew. Chem. 42/2020). *Angewandte Chemie*, **2020**, 132, 18434-18434	3.6	1
227	Boosting electrochemical oxygen evolution over yolk-shell structured O□MoS2 nanoreactors with sulfur vacancy and decorated Pt nanoparticles. *Nano Energy*, **2020**, 78, 105284	17.1	46
226	Yolk-Shell structured NiCo@SiO2 nanoreactor for CO2 upgrading via reverse water-gas shift reaction. *Catalysis Today*, **2020**,	5.3	6
225	High-power lithium-selenium batteries enabled by atomic cobalt electrocatalyst in hollow carbon cathode. *Nature Communications*, **2020**, 11, 5025	17.4	84

224	Z-scheme heterojunction of SnS2-decorated 3DOM-SrTiO3 for selectively photocatalytic CO2 reduction into CH4. *Chinese Chemical Letters*, **2020**, 31, 2774-2778	8.1	36
223	A universal nanoreactor strategy for scalable supported ultrafine bimetallic nanoparticles synthesis. *Materials Today*, **2020**, 40, 72-81	21.8	8
222	Micro-scale spatial location engineering of COF□TiO2 heterojunctions for visible light driven photocatalytic alcohol oxidation. *Journal of Materials Chemistry A*, **2020**, 8, 18745-18754	13	21
221	Hierarchical Microtubes Constructed by MoS Nanosheets with Enhanced Sodium Storage Performance. *ACS Nano*, **2020**, 14, 15577-15586	16.7	37
220	Carbon capture using nanoporous adsorbents **2020**, 265-303		
219	Confined Fe-Cu Clusters as Sub-Nanometer Reactors for Efficiently Regulating the Electrochemical Nitrogen Reduction Reaction. *Advanced Materials*, **2020**, 32, e2004382	24	69
218	Dual-Functional Atomic Zinc Decorated Hollow Carbon Nanoreactors for Kinetically Accelerated Polysulfides Conversion and Dendrite Free Lithium Sulfur Batteries. *Advanced Energy Materials*, **2020**, 10, 2002271	21.8	67
217	Highly stable Ru nanoparticles incorporated in mesoporous carbon catalysts for production of □valerolactone. *Catalysis Today*, **2020**, 351, 75-82	5.3	7
216	Metal-organic-framework-derived formation of Co□N-doped carbon materials for efficient oxygen reduction reaction. *Journal of Energy Chemistry*, **2020**, 40, 137-143	12	50
215	One-pot assembling of hierarchical porous carbon/silica nanocomposites for cycloaddition reaction. *Microporous and Mesoporous Materials*, **2020**, 293, 109768	5.3	9
214	Molecular-Level Design of Pyrrhotite Electrocatalyst Decorated Hierarchical Porous Carbon Spheres as Nanoreactors for Lithium□Sulfur Batteries. *Advanced Energy Materials*, **2020**, 10, 2000651	21.8	61
213	Simultaneous Preparation of Polyaniline Nanofibers/Manganese Dioxide Composites at the Interface of Oil/Water for Supercapacitive Application. *Journal of Electronic Materials*, **2019**, 48, 6666-6674	1.9	3
212	Advantages of Yolk Shell Catalysts for the DRM: A Comparison of Ni/ZnO@SiO2 vs. Ni/CeO2 and Ni/Al2O3. *Chemistry*, **2019**, 1, 3-16	2.1	11
211	Flexible and free-standing SiOx/CNT composite films for high capacity and durable lithium ion batteries. *Carbon*, **2019**, 152, 888-897	10.4	53
210	The formation of yolk□shell structured NiO nanospheres with enhanced lithium storage capacity. *Materials Chemistry Frontiers*, **2019**, 3, 1619-1625	7.8	9
209	N-doped carbon spheres impregnated with highly monodispersed ruthenium nanoparticles as a hydrogenation catalyst. *Chemical Engineering Journal*, **2019**, 374, 895-903	14.7	30
208	Cobalt single atoms anchored on N-doped ultrathin carbon nanosheets for selective transfer hydrogenation of nitroarenes. *Science China Materials*, **2019**, 62, 1306-1314	7.1	34
207	Preparation of covalently bonded polyaniline nanofibers/carbon nanotubes supercapacitor electrode materials using interfacial polymerization approach. *Journal of Polymer Research*, **2019**, 26, 1	2.7	18

206	Sequential growth of hierarchical N-doped carbon-MoS2 nanocomposites with variable nanostructures. *Journal of Materials Chemistry A*, **2019**, 7, 6197-6204	13	16
205	Microenvironment Engineering of Ruthenium Nanoparticles Incorporated into Silica Nanoreactors for Enhanced Hydrogenations. *Angewandte Chemie - International Edition*, **2019**, 58, 14483-14488	16.4	39
204	Ca2+-doped ultrathin cobalt hydroxyl oxides derived from coordination polymers as efficient electrocatalysts for the oxidation of water. *Journal of Materials Chemistry A*, **2019**, 7, 19415-19422	13	20
203	Microenvironment Engineering of Ruthenium Nanoparticles Incorporated into Silica Nanoreactors for Enhanced Hydrogenations. *Angewandte Chemie*, **2019**, 131, 14625-14630	3.6	7
202	Nanoengineering Carbon Spheres as Nanoreactors for Sustainable Energy Applications. *Advanced Materials*, **2019**, 31, e1903886	24	147
201	A Multifunctional Platinum Nanoreactor for Point-of-Care Metabolic Analysis. *Matter*, **2019**, 1, 1669-1680	12.7	62
200	Janus particles: design, preparation, and biomedical applications. *Materials Today Bio*, **2019**, 4, 100033	9.9	95
199	Enhanced Hydrogenation Performance over Hollow Structured Co-CoO@N-C Capsules. *Advanced Science*, **2019**, 6, 1900807	13.6	58
198	Innentitelbild: Microenvironment Engineering of Ruthenium Nanoparticles Incorporated into Silica Nanoreactors for Enhanced Hydrogenations (Angew. Chem. 41/2019). *Angewandte Chemie*, **2019**, 131, 14530-14530	3.6	1
197	The Success Story of Gold-Based Catalysts for Gas- and Liquid-Phase Reactions: A Brief Perspective and Beyond. *Frontiers in Chemistry*, **2019**, 7, 691	5	3
196	Atomic Ni Species Anchored N-Doped Carbon Hollow Spheres as Nanoreactors for Efficient Electrochemical CO2 Reduction. *ChemCatChem*, **2019**, 11, 6092-6098	5.2	36
195	A well-designed sandwich-like MS/Pd@MS hollow nanosphere for Suzuki coupling reactions of aryl bromides and arylboronic acids. *Inorganic Chemistry Communication*, **2019**, 110, 107579	3.1	2
194	Mesoporous MnO2 hollow spheres for enhanced catalytic oxidation of formaldehyde. *Sustainable Materials and Technologies*, **2019**, 20, e00091	5.3	11
193	Highly Stable Dual-Phase Membrane Based on Ce0.9Gd0.1O2−δ–La2NiO4+δ for Oxygen Permeation under Pure CO2 Atmosphere. *Energy Technology*, **2019**, 7, 1800701	3.5	26
192	Versatile design and synthesis of mesoporous sulfonic acid catalysts. *Science Bulletin*, **2018**, 63, 252-266	10.6	13
191	Facile synthesis of Co3O4 nanosheets from MOF nanoplates for high performance anodes of lithium-ion batteries. *Inorganic Chemistry Frontiers*, **2018**, 5, 1602-1608	6.8	33
190	Nanoengineering of amino - functionalized mesoporous silica nanospheres as nanoreactors. *Progress in Natural Science: Materials International*, **2018**, 28, 242-245	3.6	11
189	Advances in Multicompartment Mesoporous Silica Micro/Nanoparticles for Theranostic Applications. *Annual Review of Chemical and Biomolecular Engineering*, **2018**, 9, 389-411	8.9	43

188	A pH-responsive TiO2-based Pickering emulsion system for in situ catalyst recycling. *Chinese Chemical Letters*, **2018**, 29, 778-782	8.1	21
187	Wheat flour-derived N-doped mesoporous carbon extrudate as superior metal-free catalysts for acetylene hydrochlorination. *Chemical Communications*, **2018**, 54, 623-626	5.8	39
186	Formation of hollow MoS2/carbon microspheres for high capacity and high rate reversible alkali-ion storage. *Journal of Materials Chemistry A*, **2018**, 6, 8280-8288	13	56
185	Plasmonic Janus hybrids for the detection of small metabolites. *Journal of Materials Chemistry B*, **2018**, 6, 7280-7287	7.3	34
184	Rational design of Co embedded N,S-codoped carbon nanoplates as anode materials for high performance lithium-ion batteries. *Dalton Transactions*, **2018**, 47, 12385-12392	4.3	20
183	One-Pot Pyrolysis Method to Fabricate Carbon Nanotube Supported Ni Single-Atom Catalysts with Ultrahigh Loading. *ACS Applied Energy Materials*, **2018**,	6.1	14
182	One-Pot Synthesis of Raspberry-Like Mesoporous Silica Nanospheres. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 401-406	1.3	4
181	Robust mesoporous bimetallic yolk□shell catalysts for chemical CO2 upgrading via dry reforming of methane. *Reaction Chemistry and Engineering*, **2018**, 3, 433-436	4.9	22
180	The Development of Yolk□Shell-Structured Pd&ZnO@Carbon Submicroreactors with High Selectivity and Stability. *Advanced Functional Materials*, **2018**, 28, 1801737	15.6	60
179	A review on photocatalysis for air treatment: From catalyst development to reactor design. *Chemical Engineering Journal*, **2017**, 310, 537-559	14.7	335
178	Hollow Carbon Spheres with Abundant Micropores for Enhanced CO Adsorption. *Langmuir*, **2017**, 33, 1248-1255	4	44
177	2D Layered non-precious metal mesoporous electrocatalysts for enhanced oxygen reduction reaction. *Journal of Materials Chemistry A*, **2017**, 5, 4868-4878	13	45
176	Growing a hydrophilic nanoporous shell on a hydrophobic catalyst interface for aqueous reactions with high reaction efficiency and in situ catalyst recycling. *Journal of Materials Chemistry A*, **2017**, 5, 16162-16170	13	30
175	Fabrication of core□shell, yolk□shell and hollow Fe3O4@carbon microboxes for high-performance lithium-ion batteries. *Materials Chemistry Frontiers*, **2017**, 1, 823-830	7.8	56
174	Hollow carbon nanobubbles: monocrystalline MOF nanobubbles and their pyrolysis. *Chemical Science*, **2017**, 8, 3538-3546	9.4	264
173	Design and synthesis of porous ZnTiO3/TiO2 nanocages with heterojunctions for enhanced photocatalytic H2 production. *Journal of Materials Chemistry A*, **2017**, 5, 11615-11622	13	47
172	From waste Coca Cola□ to activated carbons with impressive capabilities for CO2 adsorption and supercapacitors. *Carbon*, **2017**, 116, 490-499	10.4	152
171	Porous Co3V2O8 Nanosheets with Ultrahigh Performance as Anode Materials for Lithium Ion Batteries. *Advanced Materials Interfaces*, **2017**, 4, 1700054	4.6	35

170	High-Yield Synthesis of Janus Dendritic Mesoporous Silica@Resorcinol-Formaldehyde Nanoparticles: A Competing Growth Mechanism. *Langmuir*, **2017**, 33, 5269-5274	4	13
169	Dumbbell-Shaped Bi-component Mesoporous Janus Solid Nanoparticles for Biphasic Interface Catalysis. *Angewandte Chemie*, **2017**, 129, 8579-8583	3.6	23
168	Dumbbell-Shaped Bi-component Mesoporous Janus Solid Nanoparticles for Biphasic Interface Catalysis. *Angewandte Chemie - International Edition*, **2017**, 56, 8459-8463	16.4	152
167	Carbon nitride nanosheets as visible light photocatalytic initiators and crosslinkers for hydrogels with thermoresponsive turbidity. *Journal of Materials Chemistry A*, **2017**, 5, 8933-8938	13	62
166	Hollow Carbon Nanopolyhedra for Enhanced Electrocatalysis via Confined Hierarchical Porosity. *Small*, **2017**, 13, 1700238	11	54
165	Advanced yolk-shell nanoparticles as nanoreactors for energy conversion. *Chinese Journal of Catalysis*, **2017**, 38, 970-990	11.3	36
164	Synthesis of micro-mesoporous materials ZSM-5/FDU-12 and the performance of dibenzothiophene hydrodesulfurization. *RSC Advances*, **2017**, 7, 28038-28047	3.7	22
163	Spontaneous Weaving of Graphitic Carbon Networks Synthesized by Pyrolysis of ZIF-67 Crystals. *Angewandte Chemie*, **2017**, 129, 8555-8560	3.6	31
162	Spontaneous Weaving of Graphitic Carbon Networks Synthesized by Pyrolysis of ZIF-67 Crystals. *Angewandte Chemie - International Edition*, **2017**, 56, 8435-8440	16.4	275
161	Coordination Polymer Nanoglue: Robust Adhesion Based on Collective Lamellar Stacking of Nanoplates. *ACS Nano*, **2017**, 11, 3662-3670	16.7	23
160	Hierarchical Porous Yolk‐Shell Carbon Nanosphere for High-Performance Lithium‐Sulfur Batteries. *Particle and Particle Systems Characterization*, **2017**, 34, 1600281	3.1	31
159	Highly compact and robust hollow fiber solid oxide cells for flexible power generation and gas production. *Applied Energy*, **2017**, 205, 741-748	10.7	8
158	Ion-Exchange-Induced Selective Etching for the Synthesis of Amino-Functionalized Hollow Mesoporous Silica for Elevated-High-Temperature Fuel Cells. *ACS Applied Materials & Interfaces*, **2017**, 9, 31922-31930	9.5	19
157	Nitrogen-doped hollow carbon spheres derived from amination reaction of fullerene with alkyl diamines as a carbon catalyst for hydrogenation of aromatic nitro compounds. *Carbon*, **2017**, 125, 139-145	10.4	24
156	Role of graphene in enhancing the mechanical properties of TiO/graphene heterostructures. *Nanoscale*, **2017**, 9, 11678-11684	7.7	17
155	Yolk‐Shell-Structured Cu/Fe@Fe2O3 Nanoparticles Loaded Graphitic Porous Carbon for the Oxygen Reduction Reaction. *Particle and Particle Systems Characterization*, **2017**, 34, 1700158	3.1	10
154	MOF derived mesoporous K-ZrO2 with enhanced basic catalytic performance for Knoevenagel condensations. *RSC Advances*, **2017**, 7, 55920-55926	3.7	9
153	Size dependence of uniformed carbon spheres in promoting graphitic carbon nitride toward enhanced photocatalysis. *Applied Catalysis B: Environmental*, **2017**, 204, 358-364	21.8	52

152	Nitrogen-doped hollow carbon spheres with large mesoporous shells engineered from diblock copolymer micelles. *Chemical Communications*, **2016**, 52, 505-8	5.8	76
151	MOF-Derived Tungstated Zirconia as Strong Solid Acids toward High Catalytic Performance for Acetalization. *ACS Applied Materials & Interfaces*, **2016**, 8, 23755-62	9.5	33
150	Synthesis and applications of porous non-silica metal oxide submicrospheres. *Chemical Society Reviews*, **2016**, 45, 6013-6047	58.5	118
149	Bi-layer photoanode films of hierarchical carbon-doped brookite-rutile TiO 2 composite and anatase TiO 2 beads for efficient dye-sensitized solar cells. *Electrochimica Acta*, **2016**, 216, 429-437	6.7	12
148	Synthesis of Monocrystalline Nanoframes of Prussian Blue Analogues by Controlled Preferential Etching. *Angewandte Chemie - International Edition*, **2016**, 55, 8228-34	16.4	138
147	Synthesis of Monocrystalline Nanoframes of Prussian Blue Analogues by Controlled Preferential Etching. *Angewandte Chemie*, **2016**, 128, 8368-8374	3.6	25
146	Template-free synthesis of carbon doped TiO 2 mesoporous microplates for enhanced visible light photodegradation. *Science Bulletin*, **2016**, 61, 1543-1550	10.6	21
145	Formation of continuous and highly permeable ZIF-8 membranes on porous alumina and zinc oxide hollow fibers. *Chemical Communications*, **2016**, 52, 13448-13451	5.8	36
144	Microfluidic chip-based one-step fabrication of an artificial photosystem I for photocatalytic cofactor regeneration. *RSC Advances*, **2016**, 6, 101974-101980	3.7	19
143	Triconstituent co-assembly synthesis of N,S-doped carbon□silica nanospheres with smooth and rough surfaces. *Journal of Materials Chemistry A*, **2016**, 4, 3721-3727	13	33
142	Enhanced Oxygen Permeation Behavior of Ba0.5Sr0.5Co0.8Fe0.2O3□Membranes in a CO2-Containing Atmosphere with a Sm0.2Ce0.8O1.9 Functional Shell. *Energy & Fuels*, **2016**, 30, 1829-1834	4.1	12
141	Yolk-Shell-Structured Aluminum Phenylphosphonate Microspheres with Anionic Core and Cationic Shell. *Advanced Science*, **2016**, 3, 1500363	13.6	19
140	Efficient drug delivery using SiO2-layered double hydroxide nanocomposites. *Journal of Colloid and Interface Science*, **2016**, 470, 47-55	9.3	52
139	A synthetic strategy for carbon nanospheres impregnated with highly monodispersed metal nanoparticles. *NPG Asia Materials*, **2016**, 8, e240-e240	10.3	60
138	Graphitic carbon nitride "reloaded": emerging applications beyond (photo)catalysis. *Chemical Society Reviews*, **2016**, 45, 2308-26	58.5	595
137	Exceptional durability enhancement of PA/PBI based polymer electrolyte membrane fuel cells for high temperature operation at 200 □C. *Journal of Materials Chemistry A*, **2016**, 4, 4019-4024	13	68
136	Reinforced perovskite hollow fiber membranes with stainless steel as the reactive sintering aid for oxygen separation. *Journal of Membrane Science*, **2016**, 502, 151-157	9.6	10
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