

# Bingsen Zhang

## 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.

243  
papers

10,940  
citations

53  
h-index

95  
g-index

261  
ext. papers

13,221  
ext. citations

9.4  
avg. IF

6.57  
L-index

#	Paper	IF	Citations
243	Engineering Pt heterogeneous catalysts for accelerated liquid-solid redox conversion in Li-S batteries. <i>Journal of Energy Chemistry</i> , <b>2022</b> ,	12	3
242	Catalytic polysulfide conversion in lithium-sulfur batteries by platinum nanoparticles supported on carbonized microspheres. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 135112	14.7	1
241	Clarifying the critical roles of iron in boosting oxygen reduction: Single Fe atoms anchored on carbon vacancies as efficient active sites. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 305, 121035	21.8	0
240	Multi-ion intercalated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene and the mutual modulation within interlayer. <i>Particuology</i> , <b>2022</b> ,	2.8	3
239	Support Morphology Effect on Selective Hydrogenation of 3-Nitrostyrene to 3-Vinylaniline over Pt/Fe O Catalysts.. <i>Chemistry - A European Journal</i> , <b>2022</b> , e202200199	4.8	1
238	Unravelling the Mechanism of Intermediate-Temperature CO Interaction with Molten-NaNO-Salt-Promoted MgO. <i>Advanced Materials</i> , <b>2021</b> , e2106677	24	3
237	Interlayer environment engineered MXene: Pre-intercalated Zn <sup>2+</sup> ions as intercalants renders the modulated Li storage. <i>Journal of Energy Chemistry</i> , <b>2021</b> ,	12	2
236	A binary carbon@silica@carbon hydrophobic nanoreactor for highly efficient selective oxidation of aromatic alkanes. <i>Nanoscale</i> , <b>2021</b> , 13, 18140-18147	7.7	0
235	Tailoring the surface structure of iron compounds to optimize the selectivity of 3-nitrostyrene hydrogenation reaction over Pt catalyst. <i>Chinese Chemical Letters</i> , <b>2021</b> ,	8.1	2
234	Statistical morphological identification of low-dimensional nanomaterials by using TEM. <i>Particuology</i> , <b>2021</b> ,	2.8	2
233	A Highly Efficient Fe <sub>N4</sub> Electrocatalyst with Atomically Dispersed FeN <sub>4</sub> Sites for the Oxygen Reduction Reaction. <i>ChemCatChem</i> , <b>2021</b> , 13, 2683-2690	5.2	3
232	Highly Efficient Electro-reforming of 5-Hydroxymethylfurfural on Vertically Oriented Nickel Nanosheet/Carbon Hybrid Catalysts: Structure-Function Relationships. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 14528-14535	16.4	24
231	Facile Preparation of CeO <sub>2</sub> Supported on Graphene Oxide Sheets for NH <sub>3</sub> -SCR: Improvement of Catalytic Activity and SO <sub>2</sub> Tolerance. <i>ChemistrySelect</i> , <b>2021</b> , 6, 4859-4865	1.8	1
230	Strong metal-support interactions on gold nanoparticle catalysts achieved through Le Chatelier's principle. <i>Nature Catalysis</i> , <b>2021</b> , 4, 418-424	36.5	36
229	Highly Efficient Electro-reforming of 5-Hydroxymethylfurfural on Vertically Oriented Nickel Nanosheet/Carbon Hybrid Catalysts: Structure-Function Relationships. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 14649-14656	3.6	1
228	Revealing the Structure Evolution of Heterogeneous Pd Catalyst in Suzuki Reaction via the Identical Location Transmission Electron Microscopy. <i>ACS Nano</i> , <b>2021</b> , 15, 8621-8637	16.7	4
227	Encapsulation of Platinum by Titania under an Oxidative Atmosphere: Contrary to Classical Strong Metal-Support Interactions. <i>ACS Catalysis</i> , <b>2021</b> , 11, 6081-6090	13.1	12

226	Overall Oxygen Electrocatalysis on Nitrogen-Modified Carbon Catalysts: Identification of Active Sites and In Situ Observation of Reactive Intermediates. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 3299-3306	16.4	11
225	Selective hydrogenolysis of aryl ether bond over Ru-Fe bimetallic catalyst. <i>Catalysis Today</i> , <b>2021</b> , 365, 199-205	5.3	5
224	COx-Resistant Oxidative Dehydrogenation of Cyclohexane Catalyzed by sp <sup>3</sup> @sp <sup>2</sup> Nanodiamonds towards Highly Selective Cyclohexene Production. <i>ChemCatChem</i> , <b>2021</b> , 13, 610-616	5.2	3
223	Nanocarbon-based metal-free and non-precious metal bifunctional electrocatalysts for oxygen reduction and oxygen evolution reactions. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 58, 610-628	12	10
222	Gesamt-Sauerstoff-Elektrokatalyse auf stickstoffmodifizierten Kohlenstoffkatalysatoren: Identifizierung aktiver Zentren und In-situ-Beobachtung reaktiver Zwischenprodukte. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 3336-3343	3.6	2
221	Synergistic Effects for Enhanced Catalysis in a Dual Single-Atom Catalyst. <i>ACS Catalysis</i> , <b>2021</b> , 11, 1952-1961	16.1	48
220	Insight into the Metal-Support Interactions between Ruthenium and Nanodiamond-derived Carbon material for CO Oxidation. <i>ChemCatChem</i> , <b>2021</b> , 13, 1368-1374	5.2	3
219	Selective Catalysis Remedies Polysulfide Shuttling in Lithium-Sulfur Batteries. <i>Advanced Materials</i> , <b>2021</b> , 33, e2101006	24	55
218	Three-dimensional architectures based on carbon nanotube bridged Ti <sub>2</sub> C MXene nanosheets for LiB batteries. <i>Particuology</i> , <b>2021</b> , 57, 139-145	2.8	9
217	Insight into degradation mechanism of Pd nanoparticles on NCNTs catalyst for ethanol electrooxidation: A combined identical-location transmission electron microscopy and X-ray photoelectron spectroscopy study. <i>Chemical Physics</i> , <b>2021</b> , 548, 111244	2.3	0
216	Controllable electronic effect via deep eutectic solvents modification for boosted aerobic oxidative desulfurization. <i>Molecular Catalysis</i> , <b>2021</b> , 512, 111757	3.3	0
215	Nanoscale Pd Supported on Layered Co(OH) <sub>2</sub> as Efficient Catalysts for Solvent-Free Oxidation of Benzyl Alcohol. <i>ChemistrySelect</i> , <b>2021</b> , 6, 7384-7390	1.8	2
214	Sinter Resistance and Activity Enhancement via a Facet-Dependent MetalSupport Interaction of Pd/ZnO Catalysts in CO Oxidation. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 20351-20359	3.8	3
213	Direct Synthesis of Ammonia from N <sub>2</sub> and H <sub>2</sub> O on Different Iron Species Supported on Carbon Nanotubes using a Gas-Phase Electrocatalytic Flow Reactor. <i>ChemElectroChem</i> , <b>2020</b> , 7, 3028-3037	4.3	9
212	Finely Controlled Platinum Nanoparticles over ZnO Nanorods for Selective Hydrogenation of 3-Nitrostyrene to 3-Vinylaniline. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 8990-8996	4.8	4
211	Enhanced magnetic properties and thermal stability of highly ordered FeN (-0.12 to 0.01) nanoparticles. <i>Nanoscale</i> , <b>2020</b> , 12, 10834-10841	7.7	1
210	Quantitative Analysis Method for Nitrogen Electron Energy-Loss Near-Edge Structures in Nanocarbons Based on Density Functional Theory Calculations and Linear Regression. <i>Ultramicroscopy</i> , <b>2020</b> , 215, 113006	3.1	1
209	Dual-Component Sodium and Cesium Promoters for Au/TS-1: Enhancement of Propene Epoxidation with Hydrogen and Oxygen. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 8155-8163	3.9	13

208	Theoretical Prediction from Classical Equations and Rational Synthesis of Ultrafine LTL Zeolite Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 13819-13824	3.8	0
207	Stable overall water splitting in an asymmetric acid/alkaline electrolyzer comprising a bipolar membrane sandwiched by bifunctional cobalt-nickel phosphide nanowire electrodes <b>2020</b> , 2, 646-655		33
206	K <sup>+</sup> alkalization promoted Ca <sup>2+</sup> intercalation in V <sub>2</sub> CTx MXene for enhanced Li storage. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 49, 358-364	12	29
205	Photocatalytic H <sub>2</sub> evolution on CdS modified with partially crystallized MoS <sub>2</sub> under visible light irradiation. <i>Chemical Physics Letters</i> , <b>2020</b> , 746, 137305	2.5	13
204	Ultrasensitive carbon molecular sieve membrane for hydrogen purification. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 50, 16-24	12	20
203	Thermally stable Pd/reduced graphene oxide aerogel catalysts for solvent-free oxidation of benzyl alcohol. <i>Chemical Physics Letters</i> , <b>2020</b> , 746, 137306	2.5	7
202	Synergistic Pt-WO Dual Active Sites to Boost Hydrogen Production from Ammonia Borane. <i>IScience</i> , <b>2020</b> , 23, 100922	6.1	19
201	Manipulating interstitial carbon atoms in the nickel octahedral site for highly efficient hydrogenation of alkyne. <i>Nature Communications</i> , <b>2020</b> , 11, 3324	17.4	32
200	Hydrogenolysis of Aryl Ether Bond over Heterogeneous Cobalt-Based Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 17357-17364	3.9	8
199	There is plenty of space in the MXene layers: The confinement and fillings. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 48, 344-363	12	37
198	Band Modulation and Interfacial Engineering to Generate Efficient Visible-Light-Induced Bifunctional Photocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 2919-2930	8.3	14
197	Mesoporous Co-Al oxide nanosheets as highly efficient catalysts for CO oxidation. <i>AIChE Journal</i> , <b>2020</b> , 66, e16923	3.6	3
196	Boosting the catalysis of gold by O activation at Au-SiO interface. <i>Nature Communications</i> , <b>2020</b> , 11, 55817.4		37
195	Enhanced performance in the direct electrocatalytic synthesis of ammonia from N <sub>2</sub> and H <sub>2</sub> O by an in-situ electrochemical activation of CNT-supported iron oxide nanoparticles. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 49, 22-32	12	21
194	In Situ Construction of Hierarchical Diamond Supported on Carbon Nanowalls/Diamond for Enhanced Electron Field Emission. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 8522-8532	9.5	7
193	Ethanol electrooxidation on highly active palladium/graphene oxide aerogel catalysts. <i>Chemical Physics</i> , <b>2020</b> , 534, 110753	2.3	3
192	Unravelling the role of active-site isolation in reactivity and reaction pathway control for acetylene hydrogenation. <i>Chemical Communications</i> , <b>2020</b> , 56, 6372-6375	5.8	10
191	Probing the performance of structurally controlled platinum-cobalt bimetallic catalysts for selective hydrogenation of cinnamaldehyde. <i>Journal of Catalysis</i> , <b>2020</b> , 388, 164-170	7.3	13

190	Efficient polysulfide blocker from conductive niobium nitride@graphene for Li-S batteries. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 45, 135-141	12	36
189	Effect of conductive PANI vs. insulative PS shell coated Ni nanochains on electromagnetic wave absorption. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 821, 153531	5.7	12
188	In situ investigation of nanocatalysts in gas atmosphere by transmission electron microscopy. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2020</b> , 22, 22-28	7.9	3
187	Interfacial Fe-Cu catalysts toward low-pressure syngas conversion to long-chain alcohols. <i>Nature Communications</i> , <b>2020</b> , 11, 61	17.4	39
186	Oxygen assisted butanol conversion on bifunctional carbon nanotube catalysts: Activity of oxygen functionalities. <i>Carbon</i> , <b>2020</b> , 170, 580-588	10.4	12
185	Activating an MXene as a host for EMIm+ by electrochemistry-driven Fe-ion pre-intercalation. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 16265-16270	13	9
184	Precise Identification of the Active Phase of Cobalt Catalyst for Carbon Nanotube Growth by Transmission Electron Microscopy. <i>ACS Nano</i> , <b>2020</b> ,	16.7	18
183	Assessing the Effect of the Electron-Beam Irradiation on Pd/Ga <sub>2</sub> O <sub>3</sub> Catalyst under Ambient Pressure. <i>ChemCatChem</i> , <b>2020</b> , 12, 4765-4769	5.2	3
182	Tuning regioselective oxidation toward phenol via atomically dispersed iron sites on carbon. <i>Green Chemistry</i> , <b>2020</b> , 22, 6025-6032	10	4
181	Graphitic phosphorus coordinated single Fe atoms for hydrogenative transformations. <i>Nature Communications</i> , <b>2020</b> , 11, 4074	17.4	51
180	Reaction-Induced Strong Metal-Support Interactions between Metals and Inert Boron Nitride Nanosheets. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 17167-17174	16.4	53
179	Gold catalysts containing interstitial carbon atoms boost hydrogenation activity. <i>Nature Communications</i> , <b>2020</b> , 11, 4600	17.4	12
178	Breaking the lithium storage limit via independent bilayer units within 2D layer materials. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 41, 1-2	12	2
177	Probing the origin of the enhanced catalytic performance of sp <sup>3</sup> @sp <sup>2</sup> nanocarbon supported Pd catalyst for CO oxidation. <i>Carbon</i> , <b>2020</b> , 156, 463-469	10.4	2
176	Ultralow loading of nanostructured Mn species onto two-dimensional Co <sub>3</sub> O <sub>4</sub> nanosheets for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 3450-3457	5.5	4
175	Atomic-Scale Observation of Bimetallic Au-CuO Nanoparticles and Their Interfaces for Activation of CO Molecules. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 35468-35478	9.5	7
174	Controllable in Situ Surface Restructuring of Cu Catalysts and Remarkable Enhancement of Their Catalytic Activity. <i>ACS Catalysis</i> , <b>2019</b> , 9, 2213-2221	13.1	28
173	Employing MXene as a matrix for loading amorphous Si generated upon lithiation towards enhanced lithium-ion storage. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 38, 50-54	12	19

172	Integrated MXene&CoFeO electrodes with multi-level interfacial architectures for synergistic lithium-ion storage. <i>Nanoscale</i> , <b>2019</b> , 11, 15037-15042	7.7	23
171	Water-enhanced selective hydrogenation of cinnamaldehyde to cinnamyl alcohol on RuSnB/CeO <sub>2</sub> catalysts. <i>Applied Catalysis A: General</i> , <b>2019</b> , 582, 117098	5.1	15
170	Vertical Ion Transport: Magazine-Bending-Inspired Architecting Anti-T of MXene Flakes with Vertical Ion Transport for High-Performance Supercapacitors (Adv. Mater. Interfaces 8/2019). <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1970051	4.6	1
169	Geometric Occupancy and Oxidation State Requirements of Cations in Cobalt Oxides for Oxygen Reduction Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 12525-12534	9.5	25
168	The simplest construction of single-site catalysts by the synergism of micropore trapping and nitrogen anchoring. <i>Nature Communications</i> , <b>2019</b> , 10, 1657	17.4	144
167	Visualizing Formation of Intermetallic PdZn in a Palladium/Zinc Oxide Catalyst: Interfacial Fertilization by PdHx. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 4276-4281	3.6	4
166	2D titanium carbide (MXene) electrodes with lower-F surface for high performance lithium-ion batteries. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 31, 148-153	12	52
165	Competitive adsorption on single-atom catalysts: Mechanistic insights into the aerobic oxidation of alcohols over CoNC. <i>Journal of Catalysis</i> , <b>2019</b> , 377, 283-292	7.3	22
164	Electron Transfer to Decorated Graphene Oxide Particles. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12549-12552	16.4	12
163	Tailoring the surface structures of iron oxide nanorods to support Au nanoparticles for CO oxidation. <i>Chinese Journal of Catalysis</i> , <b>2019</b> , 40, 1884-1894	11.3	11
162	MoO Nanoparticle Catalysts for d-Glucose Epimerization and Their Electrical Immobilization in a Continuous Flow Reactor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 44118-44123	9.5	2
161	Magazine-Bending-Inspired Architecting Anti-T of MXene Flakes with Vertical Ion Transport for High-Performance Supercapacitors. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900160	4.6	15
160	R&Ktitelbild: Visualizing Formation of Intermetallic PdZn in a Palladium/Zinc Oxide Catalyst: Interfacial Fertilization by PdHx (Angew. Chem. 13/2019). <i>Angewandte Chemie</i> , <b>2019</b> , 131, 4458-4458	3.6	
159	Promotional effects of magnesia on catalytic performance of Pt/SiO <sub>2</sub> in hydrogenolysis of dibenzofuran. <i>Journal of Catalysis</i> , <b>2019</b> , 371, 346-356	7.3	12
158	Bottom-Up Construction of Active Sites in a Cu-N-C Catalyst for Highly Efficient Oxygen Reduction Reaction. <i>ACS Nano</i> , <b>2019</b> , 13, 3177-3187	16.7	73
157	Visualizing Formation of Intermetallic PdZn in a Palladium/Zinc Oxide Catalyst: Interfacial Fertilization by PdH. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 4232-4237	16.4	31
156	Highly efficient base-free aerobic oxidation of alcohols over gold nanoparticles supported on ZnO-CuO mixed oxides. <i>Chinese Journal of Catalysis</i> , <b>2019</b> , 40, 1924-1933	11.3	5
155	Ultrastable Au nanoparticles on titania through an encapsulation strategy under oxidative atmosphere. <i>Nature Communications</i> , <b>2019</b> , 10, 5790	17.4	56



154	Highly Efficient Metal-Free Nitrogen-Doped Nanocarbons with Unexpected Active Sites for Aerobic Catalytic Reactions. <i>ACS Nano</i> , <b>2019</b> , 13, 13995-14004	16.7	17
153	Surface chemistry of nanocarbon: Characterization strategies from the viewpoint of catalysis and energy conversion. <i>Carbon</i> , <b>2019</b> , 143, 915-936	10.4	42
152	Facile-fabricated iron oxide nanorods as a catalyst for hydrogenation of nitrobenzene. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 183-186	8.1	9
151	Tent-pitching-inspired high-valence period 3-cation pre-intercalation excels for anode of 2D titanium carbide (MXene) with high Li storage capacity. <i>Energy Storage Materials</i> , <b>2019</b> , 16, 163-168	19.4	72
150	Phosphorus oxide clusters stabilized by carbon nanotubes for selective isomerization and dehydrogenation of Isopentene. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 1522-1527	5.5	9
149	Trends in activity for the oxygen evolution reaction on transition metal (M = Fe, Co, Ni) phosphide pre-catalysts. <i>Chemical Science</i> , <b>2018</b> , 9, 3470-3476	9.4	309
148	Alpha-amino acid assisted synthesis of ordered mesoporous alumina with tunable structural properties. <i>Materials Letters</i> , <b>2018</b> , 223, 17-20	3.3	3
147	Boosting the hydrogen evolution performance of ruthenium clusters through synergistic coupling with cobalt phosphide. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 1819-1827	35.4	256
146	Phosphorus-assisted solid-phase approach to three-dimensional highly porous graphene sheets and their capacitance properties. <i>Carbon</i> , <b>2018</b> , 132, 8-15	10.4	11
145	Architecture of Co-layered double hydroxide nanocages/graphene composite electrode with high electrochemical performance for supercapacitor. <i>Journal of Energy Chemistry</i> , <b>2018</b> , 27, 507-512	12	31
144	Pd@ nanoalloys supported on a porous carbon frame as an efficient catalyst for benzyl alcohol oxidation. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 2333-2339	5.5	14
143	Morphology control and photocatalytic characterization of WO <sub>3</sub> nanofiber bundles. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 1350-1354	8.1	19
142	Vertical graphene nanowalls coating of copper current collector for enhancing rate performance of graphite anode of Li ion battery: The merit of optimized interface architecture. <i>Electrochimica Acta</i> , <b>2018</b> , 268, 234-240	6.7	26
141	Montmorillonite-assisted synthesis of cobalt-nitrogen-doped carbon nanosheets for high-performance selective oxidation of alkyl aromatics. <i>Applied Surface Science</i> , <b>2018</b> , 456, 951-958	6.7	5
140	Sinter-resistant metal nanoparticle catalysts achieved by immobilization within zeolite crystals via seed-directed growth. <i>Nature Catalysis</i> , <b>2018</b> , 1, 540-546	36.5	175
139	Insights into Interfacial Synergistic Catalysis over Ni@TiO Catalyst toward Water-Gas Shift Reaction. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11241-11251	16.4	129
138	High efficiency photocatalytic hydrogen production over ternary Cu/TiO <sub>2</sub> @Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> enabled by low-work-function 2D titanium carbide. <i>Nano Energy</i> , <b>2018</b> , 53, 97-107	17.1	187
137	3D Mesoporous van der Waals Heterostructures for Trifunctional Energy Electrocatalysis. <i>Advanced Materials</i> , <b>2018</b> , 30, 1705110	24	132

136	Oxygen Clusters Distributed in Graphene with Paddy Land Structure: Ultrahigh Capacitance and Rate Performance for Supercapacitors. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705258	15.6	65
135	Benchmarking the Oxygen Reduction Electroactivity of First-Row Transition-Metal Oxide Clusters on Carbon Nanotubes. <i>ChemElectroChem</i> , <b>2018</b> , 5, 1862-1867	4.3	7
134	Hollow cobalt phosphide octahedral pre-catalysts with exceptionally high intrinsic catalytic activity for electro-oxidation of water and methanol. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 20646-20652	13	66
133	Paragenesis BN/CNTs hybrid as a monoclinic sulfur host for high rate and ultra-long life lithium-sulfur battery. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24194-24200	13	27
132	Electrocatalytic Water Oxidation at Quinone-on-Carbon: A Model System Study. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 14717-14724	16.4	28
131	Oxygen-rich carbon nanotube networks for enhanced lithium metal anode. <i>Energy Storage Materials</i> , <b>2018</b> , 15, 308-314	19.4	72
130	2D holey cobalt sulfide nanosheets derived from metal-organic frameworks for high-rate sodium ion batteries with superior cyclability. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 14324-14329	13	60
129	Poison Tolerance to the Selective Hydrogenation of Cinnamaldehyde in Water over an Ordered Mesoporous Carbonaceous Composite Supported Pd Catalyst. <i>ACS Catalysis</i> , <b>2017</b> , 7, 2074-2087	13.1	50
128	Correlation between Microstructure Evolution of a Well-Defined Cubic Palladium Catalyst and Selectivity during Acetylene Hydrogenation. <i>ChemCatChem</i> , <b>2017</b> , 9, 3435-3439	5.2	9
127	High performance of nitrogen-modified carbon nanotubes for selective oxidation of allyl alcohol. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 1279-1283	5.5	3
126	Decisive Intermediates Responsible for the Carbonaceous Products of CO <sub>2</sub> Electro-reduction on Nitrogen-Doped sp <sup>2</sup> Nanocarbon Catalysts in NaHCO <sub>3</sub> Aqueous Electrolyte. <i>ChemElectroChem</i> , <b>2017</b> , 4, 1274-1278	4.3	9
125	Role of Re and Ru in ReRu/C Bimetallic Catalysts for the Aqueous Hydrogenation of Succinic Acid. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 4672-4683	3.9	33
124	Direct Insight into Ethane Oxidative Dehydrogenation over Boron Nitrides. <i>ChemCatChem</i> , <b>2017</b> , 9, 3293-3297	5.2	80
123	Synthesis of pearl necklace-like ZnO/ZnWO <sub>4</sub> heterojunctions with enhanced photocatalytic degradation of Rhodamine B. <i>RSC Advances</i> , <b>2017</b> , 7, 26179-26184	3.7	25
122	In Situ Electrostatic Modulation of Path Selectivity for the Oxygen Reduction Reaction on Fe/N Doped Carbon Catalyst. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 4649-4653	9.6	21
121	Nitrogen-doped carbon nanotubes encapsulate cobalt nanoparticles as efficient catalysts for aerobic and solvent-free selective oxidation of hydrocarbons. <i>Green Chemistry</i> , <b>2017</b> , 19, 2164-2173	10	74
120	Regulating pore structure of carbon aerogels by graphene oxide as shape-directing agent. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 240, 145-148	5.3	12
119	Functions in cooperation for enhanced oxygen reduction reaction: the independent roles of oxygen and nitrogen sites in metal-free nanocarbon and their functional synergy. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 3239-3248	13	31



118	A green and economical vapor-assisted ozone treatment process for surface functionalization of carbon nanotubes. <i>Green Chemistry</i> , <b>2017</b> , 19, 1052-1062	10	28
117	A review of electrocatalyst characterization by transmission electron microscopy. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 1117-1135	12	20
116	Oxygenated group and structural defect enriched carbon nanotubes for immobilizing gold nanoparticles. <i>Chemical Communications</i> , <b>2017</b> , 53, 12750-12753	5.8	17
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112	Enhanced Stability of Immobilized Platinum Nanoparticles through Nitrogen Heteroatoms on Doped Carbon Supports. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 8670-8678	9.6	34
111	Accessible 3D Integrative Paper Electrode Shapes: All-Carbon Dual-Ion Batteries with Optimum Packaging Performances. <i>ChemElectroChem</i> , <b>2017</b> , 4, 3238-3243	4.3	18
110	Pd@C core-shell nanoparticles on carbon nanotubes as highly stable and selective catalysts for hydrogenation of acetylene to ethylene. <i>Nanoscale</i> , <b>2017</b> , 9, 14317-14321	7.7	26
109	Molybdenum Carbide Modified Nanocarbon Catalysts for Alkane Dehydrogenation Reactions. <i>ACS Catalysis</i> , <b>2017</b> , 7, 5820-5827	13.1	42
108	High performance platinum single atom electrocatalyst for oxygen reduction reaction. <i>Nature Communications</i> , <b>2017</b> , 8, 15938	17.4	438
107	Synthesis-structure-performance correlation for poly(phenylenediamine)s/iron/carbon non-precious metal catalysts for oxygen reduction reaction. <i>Catalysis Today</i> , <b>2016</b> , 260, 112-118	5.3	14
106	Rational Design of Zirconium-doped Titania Photocatalysts with Synergistic Brønsted Acidity and Photoactivity. <i>ChemSusChem</i> , <b>2016</b> , 9, 2759-2764	8.3	3
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104	The influence of carbon surface chemistry on supported palladium nanoparticles in heterogeneous reactions. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 480, 175-183	9.3	13
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102	Mesoporous boron-doped onion-like carbon as long-life oxygen electrode for sodium-oxygen batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 6610-6619	13	39
101	Tuning the surface structure of supported PtNi(x) bimetallic electrocatalysts for the methanol electro-oxidation reaction. <i>Chemical Communications</i> , <b>2016</b> , 52, 3927-30	5.8	15

100	An Efficient Reusable Mesoporous Solid-Based Pd Catalyst for Selective C2 Arylation of Indoles in Water. <i>ACS Catalysis</i> , <b>2016</b> , 6, 1062-1074	13.1	58
99	Identifying active sites of CoNC/CNT from pyrolysis of molecularly defined complexes for oxidative esterification and hydrogenation reactions. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 1007-1015	5.5	65
98	Revealing the Origin of Activity in Nitrogen-Doped Nanocarbons towards Electrocatalytic Reduction of Carbon Dioxide. <i>ChemSusChem</i> , <b>2016</b> , 9, 1085-9	8.3	124
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