

# Dan Wang

## 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.

222  
papers

18,179  
citations

66  
h-index

132  
g-index

239  
ext. papers

20,685  
ext. citations

11  
avg, IF

7.19  
L-index

#	Paper	IF	Citations
222	Eliminating Hysteresis of Perovskite Solar Cells with Hollow TiO <sub>2</sub> Mesoporous Electron Transport Layer. <i>Chemical Research in Chinese Universities</i> , <b>2022</b> , 38, 117-122	2.2	0
221	Triazine-graphdiyne with well-defined two kinds of active sites for simultaneous detection of Pb <sup>2+</sup> and Cd <sup>2+</sup> . <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107159	6.8	3
220	Order-disorder transition in amorphous Vanadium-Phosphorus-Lithium cathode of lithium ion battery. <i>Applied Surface Science</i> , <b>2022</b> , 573, 151490	6.7	3
219	Different mechanisms of improving CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells brought by fluorinated or nitrogen doped graphdiyne. <i>Nano Research</i> , <b>2022</b> , 15, 573	10	3
218	Amorphous High-entropy Non-precious metal oxides with surface reconstruction toward highly efficient and durable catalyst for oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 606, 635-644	9.3	6
217	Accurately localizing multiple nanoparticles in a multishelled matrix through shell-to-core evolution for maximizing energy storage capability.. <i>Advanced Materials</i> , <b>2022</b> , e2200206	24	5
216	Glass Anode Crystallization for High Specific Capacity Lithium-ion Batteries. <i>Chemical Engineering Journal</i> , <b>2022</b> , 136228	14.7	2
215	In-situ synthesis of niobium-doped TiO nanosheet arrays on double transition metal MXene (TiNbCT) as stable anode material for lithium-ion batteries.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 617, 147-155	9.3	1
214	Decoding lithium batteries through advanced in situ characterization techniques. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2022</b> , 29, 965-989	3.1	2
213	Controlled synthesis of ZnO modified N-doped porous carbon nanofiber membrane for highly efficient removal of heavy metal ions by capacitive deionization. <i>Microporous and Mesoporous Materials</i> , <b>2022</b> , 338, 111889	5.3	0
212	Fabrication and Application of Graphdiyne-based Heterogeneous Compositions: from the View of Interaction. <i>Chemical Research in Chinese Universities</i> , <b>2021</b> , 37, 1158	2.2	0
211	General Synthesis of Multiple-Cores@Multiple-Shells Hollow Composites and Their Application to Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 25719-25722	16.4	7
210	General Synthesis of Multiple-Cores@Multiple-Shells Hollow Composites and Their Application to Lithium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 25923-25926	3.6	0
209	Ordered Vacancies on the Body-Centered Cubic PdCu Nanocatalysts. <i>Nano Letters</i> , <b>2021</b> , 21, 9580-9586	11.5	2
208	Ultrafine nano-scale Cu <sub>2</sub> Sb alloy confined in three-dimensional porous carbon as an anode for sodium-ion and potassium-ion batteries. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2021</b> , 28, 1666-1674	3.1	0
207	Highly Efficient Photothermal Conversion and Water Transport during Solar Evaporation Enabled by Amorphous Hollow Multishelled Nanocomposites. <i>Advanced Materials</i> , <b>2021</b> , e2107400	24	16
206	Sulfur-doped 3D hierarchical porous carbon network toward excellent potassium-ion storage performance. <i>Rare Metals</i> , <b>2021</b> , 40, 2464-2473	5.5	11

205	Nanosized CoSb Alloy Confined in Honeycomb Carbon Framework Toward High-Property Potassium-Ion and Sodium-Ion Batteries. <i>Energy Technology</i> , <b>2021</b> , 9, 2100095	3.5	3
204	Synergistic Interfacial and Doping Engineering of Heterostructured NiCo(OH)-CoW as an Efficient Alkaline Hydrogen Evolution Electrocatalyst. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 120	19.5	8
203	High Valence M-Incorporated PdCu Nanoparticles (M = Ir, Rh, Ru) for Water Electrolysis in Alkaline Solution. <i>Nano Letters</i> , <b>2021</b> , 21, 5774-5781	11.5	5
202	Boosting hydrogen evolution reaction on few-layer graphdiyne by sp-N and B co-doping. <i>APL Materials</i> , <b>2021</b> , 9, 071102	5.7	8
201	Transition Metal and Nitrogen Co-Doped Carbon-based Electrocatalysts for the Oxygen Reduction Reaction: From Active Site Insights to the Rational Design of Precursors and Structures. <i>ChemSusChem</i> , <b>2021</b> , 14, 33-55	8.3	15
200	Highly Selective Two-Electron Electrocatalytic CO <sub>2</sub> Reduction on Single-Atom Cu Catalysts. <i>Small Structures</i> , <b>2021</b> , 2, 2000058	8.7	44
199	Small Structures Bring Big Things: Performance Control of Hollow Multishelled Structures. <i>Small Structures</i> , <b>2021</b> , 2, 2000041	8.7	23
198	Core-shell nano/microstructures for heterogeneous tandem catalysis. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 1126-1139	7.8	16
197	Scalable and controllable fabrication of CNTs improved yolk-shelled Si anodes with advanced in operando mechanical quantification. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 3502-3509	35.4	14
196	Efficient nitrogen reduction to ammonia by fluorine vacancies with a multi-step promoting effect. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 894-899	13	9
195	A dual-template strategy to engineer hierarchically porous Fe <sub>3</sub> C electrocatalysts for the high-performance cathodes of Zn  air batteries. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 9761-9770	13	24
194	FeS encapsulated hierarchical porous S, N-dual-doped carbon for oxygen reduction reaction facilitation in Zn  air batteries. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 2695-2703	5.8	3
193	Innentitelbild: Delicate Control on the Shell Structure of Hollow Spheres Enables Tunable Mass Transport in Water Splitting (Angew. Chem. 13/2021). <i>Angewandte Chemie</i> , <b>2021</b> , 133, 6906-6906	3.6	
192	Delicate Control on the Shell Structure of Hollow Spheres Enables Tunable Mass Transport in Water Splitting. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 7002-7007	3.6	5
191	Delicate Control on the Shell Structure of Hollow Spheres Enables Tunable Mass Transport in Water Splitting. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 6926-6931	16.4	24
190	Hollow structures as drug carriers: Recognition, response, and release. <i>Nano Research</i> , <b>2021</b> , 1-19	10	2
189	Terahertz strong-field physics in light-emitting diodes for terahertz detection and imaging. <i>Communications Physics</i> , <b>2021</b> , 4,	5.4	3
188	Fe <sub>3</sub> C <sub>4</sub> and Co <sub>3</sub> C <sub>4</sub> dual sites for boosting oxygen electroreduction in Zn  air batteries. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 13678-13687	13	18

187	Hollow Multishelled Structured SrTiO with La/Rh Co-Doping for Enhanced Photocatalytic Water Splitting under Visible Light. <i>Small</i> , <b>2021</b> , 17, e2005345	11	16
186	Pulse electrodeposited CoFeNiP as a highly active and stable electrocatalyst for alkaline water electrolysis. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 3172-3181	5.8	3
185	Heteroatoms in graphdiyne for catalytic and energy-related applications. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 19298-19316	13	4
184	Hollow Micro-/Nanostructure Reviving Lithium-sulfur Batteries. <i>Chemical Research in Chinese Universities</i> , <b>2020</b> , 36, 313-319	2.2	48
183	Dual-Defects Adjusted Crystal-Field Splitting of LaCo Ni O Hollow Multishelled Structures for Efficient Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19691-19695	16.4	37
182	Using DMH as a complexing agent for pulse electrodeposition of platinum nanoparticles towards oxygen reduction reaction. <i>Ionics</i> , <b>2020</b> , 26, 3473-3482	2.7	6
181	Dynamic Intelligent Cu Current Collectors for Ultrastable Lithium Metal Anodes. <i>Nano Letters</i> , <b>2020</b> , 20, 3403-3410	11.5	36
180	Transition Metal (Fe, Co, Mn) Boosting the Lithium Storage of the Multishelled NiO Anode. <i>Energy Technology</i> , <b>2020</b> , 8, 2000008	3.5	5
179	Dual-Defects Adjusted Crystal-Field Splitting of LaCo <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> Hollow Multishelled Structures for Efficient Oxygen Evolution. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 19859-19863	3.6	4
178	Hollow multishelled structures revive high energy density batteries. <i>Nanoscale Horizons</i> , <b>2020</b> , 5, 1287-1293	12.8	13
177	Cryo-EM Reveals the Structure and Chemistry of the Silicon Solid-Electrolyte Interphase. <i>Chem</i> , <b>2020</b> , 6, 331-334	16.2	
176	A high-entropy perovskite titanate lithium-ion battery anode. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 6942-6951	12.8	
175	Hollow multishell structures exercise temporal/spatial ordering and dynamic smart behaviour. <i>Nature Reviews Chemistry</i> , <b>2020</b> , 4, 159-168	34.6	83
174	A Hollow Multi-Shelled Structure for Charge Transport and Active Sites in Lithium-Ion Capacitors. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4865-4868	16.4	53
173	A Hollow Multi-Shelled Structure for Charge Transport and Active Sites in Lithium-Ion Capacitors. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 4895-4898	3.6	21
172	When hollow multishelled structures (HoMSs) meet metal-organic frameworks (MOFs). <i>Chemical Science</i> , <b>2020</b> , 11, 5359-5368	9.4	17
171	Efficient sequential harvesting of solar light by heterogeneous hollow shells with hierarchical pores. <i>National Science Review</i> , <b>2020</b> , 7, 1638-1646	10.8	36
170	Hollow Nanostructures for Surface/Interface Chemical Energy Storage Application. <i>Acta Chimica Sinica</i> , <b>2020</b> , 78, 1200	3.3	12

169	High performance determination of Pb in water by 2,4-dithiobiuret-Reduced graphene oxide composite with wide linear range and low detection limit. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1125, 76-85	6.6	5
168	In Situ Construction of Multibuffer Structure 3D CoSn@SnO <sub>x</sub> /CoO <sub>x</sub> @C Anode Material for Ultralong Life Lithium Storage. <i>Energy Technology</i> , <b>2020</b> , 8, 1900829	3.5	7
167	V O Textile Cathodes with High Capacity and Stability for Flexible Lithium-Ion Batteries. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906205	24	68
166	Controllable Synthesis of Hollow Multishell Structured Co <sub>3</sub> O <sub>4</sub> with Improved Rate Performance and Cyclic Stability for Supercapacitors. <i>Chemical Research in Chinese Universities</i> , <b>2020</b> , 36, 68-73	2.2	39
165	Atomically dispersed MnO <sub>2</sub> catalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 23187-23201	13	30
164	In situ synthesis of Co <sub>3</sub> O <sub>4</sub> nanoparticles confined in 3D nitrogen-doped porous carbon as an efficient bifunctional oxygen electrocatalyst. <i>Rare Metals</i> , <b>2020</b> , 39, 1383-1394	5.5	37
163	Steering Hollow Multishelled Structures in Photocatalysis: Optimizing Surface and Mass Transport. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002556	24	63
162	BiSb@BiO/SbO encapsulated in porous carbon as anode materials for sodium/potassium-ion batteries with a high pseudocapacitive contribution. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 580, 429-438	9.3	28
161	Unique structural advances of graphdiyne for energy applications. <i>EnergyChem</i> , <b>2020</b> , 2, 100041	36.9	21
160	MnO <sub>2</sub> /Porous Carbon Nanotube/MnO <sub>2</sub> Nanocomposites for High-Performance Supercapacitor. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 11152-11159	5.6	12
159	Ionic liquid assisted multi-heteroatom doping in core-shell ZnFe <sub>2</sub> O <sub>4</sub> @rGO with highly reversible lithiation/delithiation kinetics. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 848, 156593	5.7	4
158	Sulfur-based redox chemistry for electrochemical energy storage. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 422, 213445	23.2	11
157	Graphene-encapsulated nickel-copper bimetallic nanoparticle catalysts for electrochemical reduction of CO to CO. <i>Chemical Communications</i> , <b>2020</b> , 56, 11275-11278	5.8	13
156	Sequential drug release via chemical diffusion and physical barriers enabled by hollow multishelled structures. <i>Nature Communications</i> , <b>2020</b> , 11, 4450	17.4	28
155	Lattice Distortion in Hollow Multi-Shelled Structures for Efficient Visible-Light CO <sub>2</sub> Reduction with a SnS <sub>2</sub> /SnO <sub>2</sub> Junction. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 731-734	3.6	31
154	Lattice Distortion in Hollow Multi-Shelled Structures for Efficient Visible-Light CO Reduction with a SnS /SnO Junction. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 721-724	16.4	84
153	TiO and Co Nanoparticle-Decorated Carbon Polyhedra as Efficient Sulfur Host for High-Performance Lithium-Sulfur Batteries. <i>Small</i> , <b>2019</b> , 15, e1804533	11	49
152	Hollow Multishelled Structures for Promising Applications: Understanding the Structure-Performance Correlation. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 2169-2178	24.3	110

151	Hollow Multi-Shelled Structural TiO with Multiple Spatial Confinement for Long-Life Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9078-9082	16.4	100
150	A nanosized SnSb alloy confined in N-doped 3D porous carbon coupled with ether-based electrolytes toward high-performance potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 14309-14318	13	103
149	Hollow Multi-Shelled Structural TiO <sub>2</sub> with Multiple Spatial Confinement for Long-Life Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 9176-9180	3.6	33
148	Design of three-dimensional hierarchical TiO <sub>2</sub> /SrTiO <sub>3</sub> heterostructures towards selective CO <sub>2</sub> photoreduction. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1667-1674	6.8	20
147	Stereodefined Codoping of sp-N and S Atoms in Few-Layer Graphdiyne for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 7240-7244	16.4	123
146	A Rutile TiO <sub>2</sub> Electron Transport Layer for the Enhancement of Charge Collection for Efficient Perovskite Solar Cells. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 9514-9518	3.6	8
145	A Rutile TiO Electron Transport Layer for the Enhancement of Charge Collection for Efficient Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9414-9418	16.4	61
144	Dual-nitrogen-source engineered Fe <sub>N</sub> x moieties as a booster for oxygen electroreduction. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 11007-11015	13	42
143	Metal Mesh as a Transparent Omnidirectional Strain Sensor. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1800698	6.8	19
142	Hollow Multi-Shelled Structure with Metal-Organic-Framework-Derived Coatings for Enhanced Lithium Storage. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 5266-5271	16.4	67
141	Hollow multi-shell structured SnO <sub>2</sub> with enhanced performance for ultraviolet photodetectors. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1968-1972	6.8	16
140	Synergistic catalysis between atomically dispersed Fe and a pyrrolic-N-C framework for CO <sub>2</sub> electroreduction. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 1411-1415	10.8	14
139	Sandwich-Like Ultrathin TiS <sub>2</sub> Nanosheets Confined within N, S Codoped Porous Carbon as an Effective Polysulfide Promoter in Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1901872	21.8	119
138	A Hollow-Shell Structured V <sub>2</sub> O <sub>5</sub> Electrode-Based Symmetric Full Li-Ion Battery with Highest Capacity. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900909	21.8	35
137	Fabrication of Porous Carbon with Controllable Nitrogen Doping as Anode for High-Performance Potassium-Ion Batteries. <i>ChemElectroChem</i> , <b>2019</b> , 6, 3699-3707	4.3	20
136	Enhanced catalytic activity of Au-CeO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> monolith for low-temperature CO oxidation. <i>Catalysis Communications</i> , <b>2019</b> , 129, 105729	3.2	17
135	Hollow Multi-Shelled Structures of CoO Dodecahedron with Unique Crystal Orientation for Enhanced Photocatalytic CO Reduction. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2238-2241	16.4	205
134	Hollow Multi-Shelled Structure with Metal-Organic-Framework-Derived Coatings for Enhanced Lithium Storage. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 5320-5325	3.6	12

133	Triple-Shelled Manganese-Cobalt Oxide Hollow Dodecahedra with Highly Enhanced Performance for Rechargeable Alkaline Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 996-1001	16.4	76
132	Triple-Shelled Manganese-Cobalt Oxide Hollow Dodecahedra with Highly Enhanced Performance for Rechargeable Alkaline Batteries. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1008-1013	3.6	16
131	Graphdiyne: synthesis, properties, and applications. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 908-936	58.5	337
130	Hollow Multishelled Structure of Heterogeneous Co <sub>3</sub> O <sub>4</sub> @FeO <sub>2</sub> Nanocomposite for CO Catalytic Oxidation. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1806588	15.6	55
129	Hollow Multishelled Heterostructured Anatase/TiO <sub>2</sub> (B) with Superior Rate Capability and Cycling Performance. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805754	24	85
128	Constructing SrTiO <sub>3</sub> -TiO <sub>2</sub> Heterogeneous Hollow Multi-shelled Structures for Enhanced Solar Water Splitting. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1422-1426	16.4	139
127	Sequential Templating Approach: A Groundbreaking Strategy to Create Hollow Multishelled Structures. <i>Advanced Materials</i> , <b>2019</b> , 31, e1802874	24	110
126	Synthesis and Applications of Graphdiyne-Based Metal-Free Catalysts. <i>Advanced Materials</i> , <b>2019</b> , 31, e1803762	24	92
125	Design of Hollow Nanostructures for Energy Storage, Conversion and Production. <i>Advanced Materials</i> , <b>2019</b> , 31, e1801993	24	224
124	Formation of multi-shelled nickel-based sulfide hollow spheres for rechargeable alkaline batteries. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 535-540	6.8	56
123	Ordered mesoporous NiFe <sub>2</sub> O <sub>4</sub> with ultrathin framework for low-ppb toluene sensing. <i>Science Bulletin</i> , <b>2018</b> , 63, 187-193	10.6	15
122	Physicomechanical, friction, and abrasion properties of EVA/PU blend foams foamed by supercritical nitrogen. <i>Polymer Engineering and Science</i> , <b>2018</b> , 58, 673-682	2.3	15
121	Few-layer graphdiyne doped with sp <sup>2</sup> -hybridized nitrogen atoms at acetylenic sites for oxygen reduction electrocatalysis. <i>Nature Chemistry</i> , <b>2018</b> , 10, 924-931	17.6	379
120	Template-assisted in situ confinement synthesis of nitrogen and oxygen co-doped 3D porous carbon network for high-performance sodium-ion battery anode. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 14410-14416	3.6	11
119	Resonance-Enhanced Absorption in Hollow Nanoshell Spheres with Omnidirectional Detection and High Responsivity and Speed. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801972	24	29
118	Patterning Islandlike MnO Arrays by Breath-Figure Templates for Flexible Transparent Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 27001-27008	9.5	40
117	Short-wave infrared emitted/excited fluorescence from carbon dots and preliminary applications in bioimaging. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 1343-1350	7.8	12
116	Graphdiyne with Enhanced Ability for Electron Transfer. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2018</b> , 34, 1048-1060	3.8	22

115	Remarkably enhanced water splitting activity of nickel foam due to simple immersion in a ferric nitrate solution. <i>Nano Research</i> , <b>2018</b> , 11, 3959-3971	10	45
114	Morphological evolution of hollow NiCo <sub>2</sub> O <sub>4</sub> microspheres and their high pseudocapacitance contribution for Li/Na-ion battery anodes. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 17762-17768	3.6	9
113	Enriched graphitic N in nitrogen-doped graphene as a superior metal-free electrocatalyst for the oxygen reduction reaction. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 19665-19670	3.6	41
112	Construction of Multishelled Binary Metal Oxides via Coabsorption of Positive and Negative Ions as a Superior Cathode for Sodium-Ion Batteries. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 17114-17119	16.4	65
111	Constructing SrTiO <sub>3</sub> /TiO <sub>2</sub> Heterogeneous Hollow Multi-shelled Structures for Enhanced Solar Water Splitting. <i>Angewandte Chemie</i> , <b>2018</b> , 131, 1436	3.6	5
110	Graphdiyne: Recent Achievements in Photo- and Electrochemical Conversion. <i>Advanced Science</i> , <b>2018</b> , 5, 1800959	13.6	61
109	Defect Makes Perfect: Metal-free Electrocatalyst for Oxygen Reduction in Acid. <i>Chem</i> , <b>2018</b> , 4, 2262-2266	6.2	7
108	Ultrathin Transition Metal Dichalcogenide/3d Metal Hydroxide Hybridized Nanosheets to Enhance Hydrogen Evolution Activity. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801171	24	134
107	Dendrite-Free Sodium-Metal Anodes for High-Energy Sodium-Metal Batteries. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801334	24	177
106	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606755	24	153
105	Preparation of textural lamellar tin deposits via electrodeposition. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	
104	Carbon-encapsulated heazlewoodite nanoparticles as highly efficient and durable electrocatalysts for oxygen evolution reactions. <i>Nano Research</i> , <b>2017</b> , 10, 3522-3533	10	23
103	High rate Li-ion storage properties of MOF-carbonized derivatives coated on MnO nanowires. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 1975-1981	7.8	34
102	Multi-shelled hollow micro-/nanostructures: promising platforms for lithium-ion batteries. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 414-430	7.8	157
101	Highly controlled synthesis of multi-shelled NiO hollow microspheres for enhanced lithium storage properties. <i>Materials Research Bulletin</i> , <b>2017</b> , 87, 224-229	5.1	69
100	Microcellular chlorinated polyethylene (CM) rubber foam by using N <sub>2</sub> as blowing agent. <i>Journal of Polymer Research</i> , <b>2017</b> , 24, 1	2.7	10
99	Formation of Septuple-Shelled (Co Mn) <sub>2</sub> O <sub>4</sub> Hollow Spheres as Electrode Material for Alkaline Rechargeable Battery. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700550	24	108
98	Multi-shelled TiO <sub>2</sub> /Fe <sub>2</sub> TiO <sub>5</sub> heterostructured hollow microspheres for enhanced solar water oxidation. <i>Nano Research</i> , <b>2017</b> , 10, 3920-3928	10	80



97	Dually Ordered Porous TiO <sub>2</sub> -rGO Composites with Controllable Light Absorption Properties for Efficient Solar Energy Conversion. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604795	24	59
96	Three-dimensional porous bowl-shaped carbon cages interspersed with carbon coated Ni <sub>3</sub> Sn alloy nanoparticles as anode materials for high-performance lithium-ion batteries. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 393-402	3.6	25
95	Multi-shelled metal oxides prepared via an anion-adsorption mechanism for lithium-ion batteries. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	304
94	Engineering of multi-shelled SnO <sub>2</sub> hollow microspheres for highly stable lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 17673-17677	13	108
93	One-step solid phase synthesis of a highly efficient and robust cobalt pentlandite electrocatalyst for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18314-18321	13	80
92	The surface sulfur doping induced enhanced performance of cobalt catalysts in oxygen evolution reactions. <i>Chemical Communications</i> , <b>2016</b> , 52, 9450-3	5.8	34
91	Multi-shelled LiMn <sub>2</sub> O <sub>4</sub> hollow microspheres as superior cathode materials for lithium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 365-369	6.8	75
90	Synthesis of anatase titanium dioxide nanocaps via hydrofluoric acid etching towards enhanced photocatalysis. <i>Materials Research Bulletin</i> , <b>2016</b> , 74, 311-318	5.1	7
89	Controllable synthesis of mesostructures from TiO <sub>2</sub> hollow to porous nanospheres with superior rate performance for lithium ion batteries. <i>Chemical Science</i> , <b>2016</b> , 7, 793-798	9.4	133
88	Strongly Coupled CoCr <sub>2</sub> O <sub>4</sub> /Carbon Nanosheets as High Performance Electrocatalysts for Oxygen Evolution Reaction. <i>Small</i> , <b>2016</b> , 12, 2866-71	11	76
87	Uniform Two-Dimensional Co <sub>3</sub> O <sub>4</sub> Porous Sheets: Facile Synthesis and Enhanced Photocatalytic Performance. <i>Chemical Engineering and Technology</i> , <b>2016</b> , 39, 891-898	2	42
86	Synthesis of multi-shelled MnO <sub>2</sub> hollow microspheres via an anion-adsorption process of hydrothermal intensification. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 1065-1070	6.8	53
85	An in situ vapour phase hydrothermal surface doping approach for fabrication of high performance Co <sub>3</sub> O <sub>4</sub> electrocatalysts with an exceptionally high S-doped active surface. <i>Chemical Communications</i> , <b>2015</b> , 51, 5695-7	5.8	41
84	Multi-shelled hollow micro-/nanostructures. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 6749-73	58.5	540
83	Synthesis and photocatalytic activity of hierarchical flower-like SrTiO <sub>3</sub> nanostructure. <i>Science China Materials</i> , <b>2015</b> , 58, 192-197	7.1	26
82	A fluorescent quenching performance enhancing principle for carbon nanodot-sensitized aqueous solar cells. <i>Nano Energy</i> , <b>2015</b> , 13, 124-130	17.1	29
81	A New Graphdiyne Nanosheet/Pt Nanoparticle-Based Counter Electrode Material with Enhanced Catalytic Activity for Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1500296	21.8	149
80	A high performance redox-mediated electrolyte for improving properties of metal oxides based pseudocapacitive materials. <i>Electrochimica Acta</i> , <b>2015</b> , 186, 478-485	6.7	15

79	Growth of polypyrrole ultrathin films on MoS <sub>2</sub> monolayers as high-performance supercapacitor electrodes. <i>Advanced Materials</i> , <b>2015</b> , 27, 1117-23	24	602
78	Quintuple-shelled SnO(2) hollow microspheres with superior light scattering for high-performance dye-sensitized solar cells. <i>Advanced Materials</i> , <b>2014</b> , 26, 905-9	24	260
77	Multishelled TiO <sub>2</sub> hollow microspheres as anodes with superior reversible capacity for lithium ion batteries. <i>Nano Letters</i> , <b>2014</b> , 14, 6679-84	11.5	366
76	Synthesis of a hierarchically meso-macroporous TiO <sub>2</sub> film based on UV light-induced in situ polymerization: application to dye-sensitized solar cells. <i>RSC Advances</i> , <b>2014</b> , 4, 44692-44699	3.7	10
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74	A self-sponsored doping approach for controllable synthesis of S and N co-doped trimodal-porous structured graphitic carbon electrocatalysts. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 3720-3726	35.4	180
73	Two-dimensional carbon leading to new photoconversion processes. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 4281-99	58.5	184
72	Fe <sub>2</sub> O <sub>3</sub> multi-shelled hollow microspheres for lithium ion battery anodes with superior capacity and charge retention. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 632-637	35.4	582
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68	Simple algorithm for soil moisture retrieval with co-polarized SAR data. <i>Journal of Electronics</i> , <b>2013</b> , 30, 237-242		1
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