

# Da-wei Wang

## List of Publications by Citations

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212  
papers

24,741  
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61  
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156  
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230  
ext. papers

27,223  
ext. citations

11.9  
avg, IF

7.24  
L-index

#	Paper	IF	Citations
212	Graphene-Wrapped Fe <sub>3</sub> O <sub>4</sub> Anode Material with Improved Reversible Capacity and Cyclic Stability for Lithium Ion Batteries. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 5306-5313	9.6	1660
211	3D aperiodic hierarchical porous graphitic carbon material for high-rate electrochemical capacitive energy storage. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 373-6	16.4	1604
210	Fabrication of Graphene/Polyaniline Composite Paper via In Situ Anodic Electropolymerization for High-Performance Flexible Electrode. <i>ACS Nano</i> , <b>2009</b> , 3, 1745-52	16.7	1355
209	High-energy MnO <sub>2</sub> nanowire/graphene and graphene asymmetric electrochemical capacitors. <i>ACS Nano</i> , <b>2010</b> , 4, 5835-42	16.7	1331
208	More Reliable Lithium-Sulfur Batteries: Status, Solutions and Prospects. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606823	24	1054
207	Anchoring Hydrous RuO <sub>2</sub> on Graphene Sheets for High-Performance Electrochemical Capacitors. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3595-3602	15.6	1033
206	Oxygen bridges between NiO nanosheets and graphene for improvement of lithium storage. <i>ACS Nano</i> , <b>2012</b> , 6, 3214-23	16.7	866
205	A graphene-pure-sulfur sandwich structure for ultrafast, long-life lithium-sulfur batteries. <i>Advanced Materials</i> , <b>2014</b> , 26, 625-31, 664	24	842
204	Heterogeneous nanocarbon materials for oxygen reduction reaction. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 576	35.4	792
203	Graphene/Cellulose Paper Flexible Supercapacitors. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 917-922	21.8	745
202	Fibrous hybrid of graphene and sulfur nanocrystals for high-performance lithium-sulfur batteries. <i>ACS Nano</i> , <b>2013</b> , 7, 5367-75	16.7	670
201	Carbon/Sulfur composites for Li-S batteries: status and prospects. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9382	13	664
200	Hybrid graphene and graphitic carbon nitride nanocomposite: gap opening, electron-hole puddle, interfacial charge transfer, and enhanced visible light response. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 4393-7	16.4	490
199	A facile soft-template synthesis of mesoporous polymeric and carbonaceous nanospheres. <i>Nature Communications</i> , <b>2013</b> , 4,	17.4	475
198	A flexible sulfur-graphene-polypropylene separator integrated electrode for advanced Li-S batteries. <i>Advanced Materials</i> , <b>2015</b> , 27, 641-7	24	466
197	Synthesis and Electrochemical Property of Boron-Doped Mesoporous Carbon in Supercapacitor. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 7195-7200	9.6	451
196	3D Aperiodic Hierarchical Porous Graphitic Carbon Material for High-Rate Electrochemical Capacitive Energy Storage. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 379-382	3.6	441

195	A flexible nanostructured sulphur-carbon nanotube cathode with high rate performance for Li-S batteries. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 8901	35.4	422
194	Hierarchical porous nickel oxide and carbon as electrode materials for asymmetric supercapacitor. <i>Journal of Power Sources</i> , <b>2008</b> , 185, 1563-1568	8.9	398
193	Nitrogen-doped carbon monolith for alkaline supercapacitors and understanding nitrogen-induced redox transitions. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 5345-51	4.8	317
192	Achieving superb sodium storage performance on carbon anodes through an ether-derived solid electrolyte interphase. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 370-376	35.4	297
191	Unravelling the structure of electrocatalytically active Fe-N complexes in carbon for the oxygen reduction reaction. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 10673-7	16.4	281
190	Selective synthesis of single-crystalline rhombic dodecahedral, octahedral, and cubic gold nanocrystals. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 697-703	16.4	279
189	Electrospun Palladium Nanoparticle-Loaded Carbon Nanofibers and Their Electrocatalytic Activities towards Hydrogen Peroxide and NADH. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 441-448	15.6	270
188	Two-Dimensional Porous Carbon: Synthesis and Ion-Transport Properties. <i>Advanced Materials</i> , <b>2015</b> , 27, 5388-95	24	263
187	A microporous-mesoporous carbon with graphitic structure for a high-rate stable sulfur cathode in carbonate solvent-based Li-S batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 8703-10	3.6	258
186	Safe and high-rate supercapacitors based on an acetonitrile/water in salt-hybrid electrolyte. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 3212-3219	35.4	186
185	Carbon for the oxygen reduction reaction: a defect mechanism. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 11736-11739	13	184
184	Carbon-Based Metal-Free Catalysts for Key Reactions Involved in Energy Conversion and Storage. <i>Advanced Materials</i> , <b>2019</b> , 31, e1801526	24	184
183	Tailoring magnesium based materials for hydrogen storage through synthesis: Current state of the art. <i>Energy Storage Materials</i> , <b>2018</b> , 10, 168-198	19.4	174
182	Comparison of the rate capability of nanostructured amorphous and anatase TiO <sub>2</sub> for lithium insertion using anodic TiO <sub>2</sub> nanotube arrays. <i>Nanotechnology</i> , <b>2009</b> , 20, 225701	3.4	172
181	Oriented and Interlinked Porous Carbon Nanosheets with an Extraordinary Capacitive Performance. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 6896-6903	9.6	161
180	Evolution of the electrochemical interface in sodium ion batteries with ether electrolytes. <i>Nature Communications</i> , <b>2019</b> , 10, 725	17.4	156
179	Amorphous TiO(2) nanotube arrays for low-temperature oxygen sensors. <i>Nanotechnology</i> , <b>2008</b> , 19, 405504	3.4	154
178	A nanosized Fe <sub>2</sub> O <sub>3</sub> decorated single-walled carbon nanotube membrane as a high-performance flexible anode for lithium ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 17942		143

177	Electrochemical interfacial capacitance in multilayer graphene sheets: Dependence on number of stacking layers. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 1729-1732	5.1	143
176	Controlled electrochemical charge injection to maximize the energy density of supercapacitors. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 3722-5	16.4	142
175	Epitaxial Growth of Au-Pt-Ni Nanorods for Direct High Selectivity H <sub>2</sub> O Production. <i>Advanced Materials</i> , <b>2016</b> , 28, 9949-9955	24	140
174	Hierarchical mesoporous yolk-shell structured carbonaceous nanospheres for high performance electrochemical capacitive energy storage. <i>Chemical Communications</i> , <b>2015</b> , 51, 2518-21	5.8	136
173	Effect of pore packing defects in 2-d ordered mesoporous carbons on ionic transport. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 8570-5	3.4	135
172	Polysulfide immobilization and conversion on a conductive polar MoC@MoO <sub>x</sub> material for lithium-sulfur batteries. <i>Energy Storage Materials</i> , <b>2018</b> , 10, 56-61	19.4	132
171	Electron field emission of a nitrogen-doped TiO <sub>2</sub> nanotube array. <i>Nanotechnology</i> , <b>2008</b> , 19, 025606	3.4	120
170	Functional Carbons Remedy the Shuttling of Polysulfides in Lithium-Sulfur Batteries: Confining, Trapping, Blocking, and Breaking up. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800508	15.6	117
169	A Discussion on the Activity Origin in Metal-Free Nitrogen-Doped Carbons For Oxygen Reduction Reaction and their Mechanisms. <i>ChemSusChem</i> , <b>2015</b> , 8, 2772-88	8.3	97
168	Aligned Titania Nanotubes as an Intercalation Anode Material for Hybrid Electrochemical Energy Storage. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 3787-3793	15.6	91
167	Mesopore-Aspect-Ratio Dependence of Ion Transport in Rodtype Ordered Mesoporous Carbon. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 9950-9955	3.8	90
166	Improved capacitance of SBA-15 templated mesoporous carbons after modification with nitric acid oxidation. <i>New Carbon Materials</i> , <b>2007</b> , 22, 307-314	4.4	87
165	A high-density graphene-sulfur assembly: a promising cathode for compact Li-S batteries. <i>Nanoscale</i> , <b>2015</b> , 7, 5592-7	7.7	83
164	Dense Graphene Monolith for High Volumetric Energy Density Li-S Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703438	21.8	78
163	Diameter-selective growth of single-walled carbon nanotubes with high quality by floating catalyst method. <i>ACS Nano</i> , <b>2008</b> , 2, 1722-8	16.7	75
162	Synthesis and dye separation performance of ferromagnetic hierarchical porous carbon. <i>Carbon</i> , <b>2008</b> , 46, 1593-1599	10.4	75
161	Enhanced electrochemical sensitivity of Pt/Rh electrodes coated with nitrogen-doped graphene. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 1423-1427	5.1	74
160	Armoring Graphene Cathodes for High-Rate and Long-Life Lithium Ion Supercapacitors. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502064	21.8	73

159	Ultrafast high-volumetric sodium storage of folded-graphene electrodes through surface-induced redox reactions. <i>Energy Storage Materials</i> , <b>2015</b> , 1, 112-118	19.4	69
158	Nanosize SnO <sub>2</sub> confined in the porous shells of carbon cages for kinetically efficient and long-term lithium storage. <i>Nanoscale</i> , <b>2013</b> , 5, 1576-82	7.7	68
157	A water-dielectric capacitor using hydrated graphene oxide film. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 21085		66
156	Hollow carbon cage with nanocapsules of graphitic shell/nickel core as an anode material for high rate lithium ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 11252		64
155	Covalent fixing of sulfur in metal-sulfur batteries. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 432-471	35.4	64
154	The examination of graphene oxide for rechargeable lithium storage as a novel cathode material. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 3607	13	61
153	Unusual high oxygen reduction performance in all-carbon electrocatalysts. <i>Scientific Reports</i> , <b>2014</b> , 4, 6289	4.9	59
152	Evolution of the effect of sulfur confinement in graphene-based porous carbons for use in Li-S batteries. <i>Nanoscale</i> , <b>2016</b> , 8, 4447-51	7.7	59
151	Electroactive cellulose-supported graphene oxide interlayers for Li-S batteries. <i>Carbon</i> , <b>2015</b> , 93, 611-619	10.4	59
150	Electrochemical determination of oxalic acid using palladium nanoparticle-loaded carbon nanofiber modified electrode. <i>Analytical Methods</i> , <b>2010</b> , 2, 855	3.2	56
149	Graphene oxide: An emerging electromaterial for energy storage and conversion. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 55, 323-344	12	56
148	The Interplay of Oxygen Functional Groups and Folded Texture in Densified Graphene Electrodes for Compact Sodium-Ion Capacitors. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702395	21.8	55
147	Structural Origin of the Activity in Mn <sub>3</sub> O <sub>4</sub> -Graphene Oxide Hybrid Electrocatalysts for the Oxygen Reduction Reaction. <i>ChemSusChem</i> , <b>2015</b> , 8, 3331-9	8.3	52
146	N,P co-coordinated Fe species embedded in carbon hollow spheres for oxygen electrocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 14732-14742	13	50
145	Facile synthesis of dendritic gold nanostructures with hyperbranched architectures and their electrocatalytic activity toward ethanol oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 9148-9154	9.5	49
144	Bimetal-organic frameworks for functionality optimization: MnFe-MOF-74 as a stable and efficient catalyst for the epoxidation of alkenes with HO <sub>2</sub> . <i>Nanoscale</i> , <b>2018</b> , 10, 1591-1597	7.7	49
143	Superassembled Biocatalytic Porous Framework Micromotors with Reversible and Sensitive pH-Speed Regulation at Ultralow Physiological H <sub>2</sub> O <sub>2</sub> Concentration. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808900	15.6	48
142	3D Aperiodic Hierarchical Porous Graphitic Carbon Material for High-Rate Electrochemical Capacitive Energy Storage. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 1525-1525	16.4	48

141	Ultrahigh rate sodium ion storage with nitrogen-doped expanded graphite oxide in ether-based electrolyte. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 1582-1589	13	48
140	Revisiting oxygen reduction reaction on oxidized and unzipped carbon nanotubes. <i>Carbon</i> , <b>2015</b> , 81, 295-304	10.4	47
139	A gradient bi-functional graphene-based modified electrode for vanadium redox flow batteries. <i>Energy Storage Materials</i> , <b>2018</b> , 13, 66-71	19.4	47
138	Synthesis and electrocatalytic activity of Au/Pt bimetallic nanodendrites for ethanol oxidation in alkaline medium. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 367, 342-7	9.3	46
137	An Aqueous Metal-Ion Capacitor with Oxidized Carbon Nanotubes and Metallic Zinc Electrodes. <i>Frontiers in Energy Research</i> , <b>2016</b> , 4,	3.8	45
136	Reliable liquid electrolytes for lithium metal batteries. <i>Energy Storage Materials</i> , <b>2020</b> , 30, 113-129	19.4	44
135	Research and prospect on extraction of vanadium from vanadium slag by liquid oxidation technologies. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2014</b> , 24, 1273-1288	3.3	44
134	Dependence of LiNO <sub>3</sub> decomposition on cathode binders in LiB batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 288, 13-19	8.9	43
133	In situ synthesis of Pt/carbon nanofiber nanocomposites with enhanced electrocatalytic activity toward methanol oxidation. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 367, 199-203	9.3	43
132	Field Emission and Cathodoluminescence of ZnS Hexagonal Pyramids of Zinc Blende Structured Single Crystals. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 484-490	15.6	42
131	Synthesis of Tin (II or IV) Oxide Coated Multiwall Carbon Nanotubes with Controlled Morphology. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 5790-5794	3.8	42
130	Carboxymethyl cellulose binders enable high-rate capability of sulfurized polyacrylonitrile cathodes for LiB batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 5460-5465	13	41
129	Faceted Branched Nickel Nanoparticles with Tunable Branch Length for High-Activity Electrocatalytic Oxidation of Biomass. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15487-15491	16.4	41
128	Graphene-Based Planar Microsupercapacitors: Recent Advances and Future Challenges. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1800200	6.8	40
127	Unravelling the Structure of Electrocatalytically Active Fe <sup>II</sup> Complexes in Carbon for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 10849-10853	3.6	40
126	Ultrafast growth of dendritic gold nanostructures and their applications in methanol electro-oxidation and surface-enhanced Raman scattering. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 354, 577-84	9.3	40
125	Anodic chlorine/nitrogen co-doping of reduced graphene oxide films at room temperature. <i>Carbon</i> , <b>2012</b> , 50, 3333-3341	10.4	38
124	In situ assembly of multi-sheeted buckybooks from single-walled carbon nanotubes. <i>ACS Nano</i> , <b>2009</b> , 3, 707-13	16.7	38

123	Reduction-induced surface amorphization enhances the oxygen evolution activity in Co <sub>3</sub> O <sub>4</sub> . <i>RSC Advances</i> , <b>2015</b> , 5, 27823-27828	3.7	36
122	Large-Scale and Template-Free Growth of Free-Standing Single-Crystalline Dendritic Ag/Pd Alloy Nanostructure Arrays. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 4351-4355	3.5	35
121	Nanospace-confined formation of flattened Sn sheets in pre-seeded graphenes for lithium ion batteries. <i>Nanoscale</i> , <b>2014</b> , 6, 9554-8	7.7	34
120	Fabrication and supercapacitive properties of a thick electrode of carbon nanotube@RuO <sub>2</sub> core-shell hybrid material with a high RuO <sub>2</sub> loading. <i>Nano Energy</i> , <b>2013</b> , 2, 1232-1241	17.1	34
119	Digital to analog resistive switching transition induced by graphene buffer layer in strontium titanate based devices. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 512, 767-774	9.3	34
118	Confined SnO <sub>2</sub> quantum-dot clusters in graphene sheets as high-performance anodes for lithium-ion batteries. <i>Scientific Reports</i> , <b>2016</b> , 6, 25829	4.9	32
117	Refilling Nitrogen to Oxygen Vacancies in Ultrafine Tungsten Oxide Clusters for Superior Lithium Storage. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1902148	21.8	32
116	Membrane Permeability Rates of Vanadium Ions and Their Effects on Temperature Variation in Vanadium Redox Batteries. <i>Energies</i> , <b>2016</b> , 9, 1058	3.1	32
115	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
114	Spherical Murray-Type Assembly of Co-N-C Nanoparticles as a High-Performance Trifunctional Electrocatalyst. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 9925-9933	9.5	31
113	The effect of carbon particle morphology on the electrochemical properties of nanocarbon/polyaniline composites in supercapacitors. <i>New Carbon Materials</i> , <b>2011</b> , 26, 180-186	4.4	31
112	High-Performance Microsupercapacitors Based on Bioinspired Graphene Microfibers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 10157-10164	9.5	30
111	Synergy of nanoconfinement and surface oxygen in recrystallization of sulfur melt in carbon nanocapsules and the related LiS cathode properties. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 6439	13	30
110	Recent advancements in g-CN-based photocatalysts for photocatalytic CO reduction: a mini review.. <i>RSC Advances</i> , <b>2020</b> , 10, 29408-29418	3.7	30
109	Effects of Surface Pretreatment of Glassy Carbon on the Electrochemical Behavior of V(IV)/V(V) Redox Reaction. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, A1164-A1174	3.9	30
108	Superior removal of Hg (II) ions from wastewater using hierarchically porous, functionalized carbon. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 371, 33-41	12.8	30
107	Platinum electrocatalysts with plasmonic nano-cores for photo-enhanced oxygen-reduction. <i>Nano Energy</i> , <b>2017</b> , 41, 233-242	17.1	28
106	A Li-ion sulfur full cell with ambient resistant Al-Li alloy anode. <i>Energy Storage Materials</i> , <b>2018</b> , 15, 209-217	7.4	28

105	Demystifying the catalysis in lithium-sulfur batteries: Characterization methods and techniques. <i>SusMat</i> , <b>2021</b> , 1, 51-65		28
104	A smart self-regenerative lithium ion supercapacitor with a real-time safety monitor. <i>Energy Storage Materials</i> , <b>2015</b> , 1, 146-151	19.4	27
103	Tungsten Oxide/Carbide Surface Heterojunction Catalyst with High Hydrogen Evolution Activity. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 3560-3568	20.1	27
102	A 2D Conductive Organic-Inorganic Hybrid with Extraordinary Volumetric Capacitance at Minimal Swelling. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800400	24	27
101	Wurtzite P-Doped GaN Triangular Microtubes as Field Emitters. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 9627-9633	3.8	26
100	Liquid Metal Hybrid Platform-Mediated Ice-Fire Dual Noninvasive Conformable Melanoma Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 27984-27993	9.5	25
99	An Operando Mechanistic Evaluation of a Solar-Rechargeable Sodium-Ion Intercalation Battery. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700545	21.8	25
98	Modification Based on MoO <sub>3</sub> as Electrocatalysts for High Power Density Vanadium Redox Flow Batteries. <i>ChemElectroChem</i> , <b>2017</b> , 4, 1836-1839	4.3	24
97	The smart era of electrochemical energy storage devices. <i>Energy Storage Materials</i> , <b>2016</b> , 3, 66-68	19.4	24
96	Controlled Electrochemical Charge Injection to Maximize the Energy Density of Supercapacitors. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 3810-3813	3.6	23
95	Functional Electrocatalysts Derived from Prussian Blue and its Analogues for Metal-Air Batteries: Progress and Prospects. <i>Batteries and Supercaps</i> , <b>2019</b> , 2, 290-310	5.6	23
94	Versatile electrocatalytic processes realized by Ni, Co and Fe alloyed core coordinated carbon shells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12154-12165	13	22
93	Order of Activity of Nitrogen, Iron Oxide, and Fe <sub>Nx</sub> Complexes towards Oxygen Reduction in Alkaline Medium. <i>ChemSusChem</i> , <b>2015</b> , 8, 4016-21	8.3	22
92	An in-situ solidification strategy to block polysulfides in Lithium-Sulfur batteries. <i>Energy Storage Materials</i> , <b>2021</b> , 37, 224-232	19.4	22
91	Simulation on different response characteristics of aerosol particle number concentration and mass concentration to emission changes over mainland China. <i>Science of the Total Environment</i> , <b>2018</b> , 643, 692-703	10.2	21
90	Towards a reliable Li-metal-free LiNO <sub>3</sub> -free Li-ion polysulphide full cell via parallel interface engineering. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 2509-2520	35.4	21
89	Mitigating self-discharge of carbon-based electrochemical capacitors by modifying their electric-double layer to maximize energy efficiency. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 38, 214-218	12	20
88	Long-chain solid organic polysulfide cathode for high-capacity secondary lithium batteries. <i>Energy Storage Materials</i> , <b>2018</b> , 12, 30-36	19.4	20



87	Core/Shell NiFe Nanoalloy with a Discrete N-doped Graphitic Carbon Cover for Enhanced Water Oxidation. <i>ChemElectroChem</i> , <b>2018</b> , 5, 732-736	4.3	19
86	Solution phase synthesis of halogenated graphene and the electrocatalytic activity for oxygen reduction reaction. <i>Chinese Journal of Catalysis</i> , <b>2014</b> , 35, 884-890	11.3	19
85	Dispersible percolating carbon nano-electrodes for improvement of polysulfide utilization in LiS batteries. <i>Carbon</i> , <b>2015</b> , 93, 161-168	10.4	19
84	Evidence for Fast Lithium-Ion Diffusion and Charge-Transfer Reactions in Amorphous TiO Nanotubes: Insights for High-Rate Electrochemical Energy Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 42513-42523	9.5	19
83	Hybrid Solid Polymer Electrolytes with Two-Dimensional Inorganic Nanofillers. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 18180-18203	4.8	19
82	Improving new particle formation simulation by coupling a volatility-basis set (VBS) organic aerosol module in NAQPMS+APM. <i>Atmospheric Environment</i> , <b>2019</b> , 204, 1-11	5.3	18
81	Electron-beam writing of deoxygenated micro-patterns on graphene oxide film. <i>Carbon</i> , <b>2015</b> , 95, 738-745	5.4	18
80	Light, Catalyst, Activation: Boosting Catalytic Oxygen Activation Using a Light Pretreatment Approach. <i>ACS Catalysis</i> , <b>2017</b> , 7, 3644-3653	13.1	17
79	A Rechargeable Quasi-symmetrical MoS <sub>2</sub> Battery. <i>Joule</i> , <b>2018</b> , 2, 1278-1286	27.8	17
78	An Extension to the Analytical Evaluation of the Oxygen Reduction Reaction Based On the Electrokinetics On a Rotating Ring-Disk Electrode. <i>ChemElectroChem</i> , <b>2016</b> , 3, 622-628	4.3	17
77	Batteries: A Graphene-Pure-Sulfur Sandwich Structure for Ultrafast, Long-Life Lithium-Sulfur Batteries (Adv. Mater. 4/2014). <i>Advanced Materials</i> , <b>2014</b> , 26, 664-664	24	16
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