

Da-wei 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.

212
papers

24,741
citations

61
h-index

156
g-index

230
ext. papers

27,223
ext. citations

11.9
avg, IF

7.24
L-index

#	Paper	IF	Citations
212	Redox-mediated proton transport of two-dimensional polyaniline-based nanochannels for fast capacitive performance 2022 , 1, 20210004		0
211	Sulfur/Carbon Composite Cathodes. <i>Modern Aspects of Electrochemistry</i> , 2022 , 19-82		0
210	Rigid metal/liquid metal nanoparticles: Synthesis and application for locally ablative therapy.. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022 , 42, 102535	6	0
209	Hydrogen-bonded quasi-layered polypyrrole-tungstate complex with exceptional electrochemical capacitance over 25000 cycles. <i>Composites Part B: Engineering</i> , 2022 , 238, 109910	10	
208	Demystifying the catalysis in lithium-sulfur batteries: Characterization methods and techniques. <i>SusMat</i> , 2021 , 1, 51-65		28
207	An in-situ solidification strategy to block polysulfides in Lithium-Sulfur batteries. <i>Energy Storage Materials</i> , 2021 , 37, 224-232	19.4	22
206	Ligand-Promoted Cooperative Electrochemical Oxidation of Bio-Alcohol on Distorted Cobalt Hydroxides for Bio-Hydrogen Extraction. <i>ChemSusChem</i> , 2021 , 14, 2612-2620	8.3	3
205	Oxygen Nucleation of MoS Nanosheet Thin Film Supercapacitor Electrodes for Enhanced Electrochemical Energy Storage. <i>ChemSusChem</i> , 2021 , 14, 2882-2891	8.3	0
204	2D polyaniline with exchangeable interlayer fluid for fast and stable volumetric dual ion storage. <i>Journal of Energy Chemistry</i> , 2021 , 54, 587-594	12	6
203	Graphene oxide: An emerging electromaterial for energy storage and conversion. <i>Journal of Energy Chemistry</i> , 2021 , 55, 323-344	12	56
202	Combined DFT and experiment: Stabilizing the electrochemical interfaces via boron Lewis acids. <i>Journal of Energy Chemistry</i> , 2021 , 59, 100-107	12	2
201	A vertical graphene enhanced Zn/MnO ₂ flexible battery towards wearable electronic devices. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 575-584	13	15
200	Chemical formation and source apportionment of PM at an urban site at the southern foot of the Taihang mountains. <i>Journal of Environmental Sciences</i> , 2021 , 103, 20-32	6.4	4
199	High yield electrooxidation of 5-hydroxymethyl furfural catalysed by unsaturated metal sites in Co/Fe Prussian Blue Analogue films. <i>Green Chemistry</i> , 2021 , 23, 4333-4337	10	5
198	Carbon-supported layered double hydroxide nanodots for efficient oxygen evolution: Active site identification and activity enhancement. <i>Nano Research</i> , 2021 , 14, 3329-3336	10	5
197	Mini/Micro/Nano Scale Liquid Metal Motors. <i>Micromachines</i> , 2021 , 12,	3.3	5
196	Atomic insights of electronic states engineering of GaN nanowires by Cu cation substitution for highly efficient lithium ion battery. <i>Journal of Energy Chemistry</i> , 2021 , 67, 46-46	12	3

195	Nanofluidic voidless electrode for electrochemical capacitance enhancement in gel electrolyte. <i>Nature Communications</i> , 2021 , 12, 5515	17.4	4
194	High-performance hierarchical MnO ₂ /CNT electrode for multifunctional supercapacitors. <i>Carbon</i> , 2021 , 184, 504-513	10.4	6
193	High voltage aqueous Zn/LiCoO ₂ hybrid battery under mildly alkaline conditions. <i>Energy Storage Materials</i> , 2021 , 43, 158-164	19.4	2
192	High volumetric capacity nanoparticle electrodes enabled by nanofluidic fillers. <i>Energy Storage Materials</i> , 2021 , 43, 202-211	19.4	0
191	High-performance lithium-sulfur batteries enabled by regulating LiS deposition. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 21385-21398	3.6	3
190	Magnetic liquid metal loaded nano-in-micro spheres as fully flexible theranostic agents for SMART embolization. <i>Nanoscale</i> , 2021 , 13, 8817-8836	7.7	10
189	Dendritic Ag/Pd Alloy Nanostructure Arrays for Electrochemical CO ₂ Reduction. <i>ChemElectroChem</i> , 2020 , 7, 2608-2613	4.3	9
188	Reliable liquid electrolytes for lithium metal batteries. <i>Energy Storage Materials</i> , 2020 , 30, 113-129	19.4	44
187	Liquid Metal Hybrid Platform-Mediated Ice-Fire Dual Noninvasive Conformable Melanoma Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 27984-27993	9.5	25
186	Influence of the morphological change in natural Asian dust during transport: A modeling study for a typical dust event over northern China. <i>Science of the Total Environment</i> , 2020 , 739, 139791	10.2	3
185	Enhanced visible/near-infrared light harvesting and superior charge separation via 0D/2D all-carbon hybrid architecture for photocatalytic oxygen evolution. <i>Carbon</i> , 2020 , 167, 724-735	10.4	14
184	In situ modification of BiVO nanosheets on graphene for boosting photocatalytic water oxidation. <i>Nanoscale</i> , 2020 , 12, 14853-14862	7.7	15
183	Assembly of 1T'-MoS based fibers for flexible energy storage. <i>Nanoscale</i> , 2020 , 12, 6562-6570	7.7	7
182	Fabrication strategies for high-rate TiO ₂ nanotube anodes for Li ion energy storage. <i>Journal of Power Sources</i> , 2020 , 463, 228205	8.9	11
181	Binary graphene-based cathode structure for high-performance lithium-sulfur batteries. <i>JPhys Energy</i> , 2020 , 2, 015003	4.9	8
180	Covalent fixing of sulfur in metal-sulfur batteries. <i>Energy and Environmental Science</i> , 2020 , 13, 432-471	35.4	64
179	In Situ Sulfurized Carbon-Confined Cobalt for Long-Life Mg/S Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 2516-2525	6.1	11
178	Three-dimensional aerogel based on in-situ growth of 1T-MoS ₂ on functionalized hierarchical porous carbon/reduced graphene oxide for energy storage. <i>Applied Surface Science</i> , 2020 , 506, 144811	6.7	9

177	Plastic three-dimensional nanocarbon-polyacrylic acid sponges with high volumetric capacitance for Li-ion capacitor. <i>Sustainable Materials and Technologies</i> , 2020 , 26, e00223	5.3	1
176	Tungsten Oxide/Carbide Surface Heterojunction Catalyst with High Hydrogen Evolution Activity. <i>ACS Energy Letters</i> , 2020 , 5, 3560-3568	20.1	27
175	Biofriendly micro/nanomotors operating on biocatalysis: from natural to biological environments. <i>Biophysics Reports</i> , 2020 , 6, 179-192	3.5	4
174	Dynamic single-site polysulfide immobilization in long-range disorder Cu-MOFs. <i>Chemical Communications</i> , 2020 , 56, 10074-10077	5.8	0
173	Transport Patterns, Size Distributions, and Depolarization Characteristics of Dust Particles in East Asia in Spring 2018. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031752	4.4	6
172	High-performance graphene/disodium terephthalate electrodes with ether electrolyte for exceptional cooperative sodiation/desodiation. <i>Nano Energy</i> , 2020 , 77, 105203	17.1	10
171	Recent advancements in g-CN-based photocatalysts for photocatalytic CO reduction: a mini review.. <i>RSC Advances</i> , 2020 , 10, 29408-29418	3.7	30
170	Faceted Branched Nickel Nanoparticles with Tunable Branch Length for High-Activity Electrocatalytic Oxidation of Biomass. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15487-15491	16.4	41
169	Micro-Macroscopic Coupled Electrode Architecture for High-Energy-Density Lithium Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 7393-7402	6.1	6
168	Highly cross-linked carbon sponge enables room-temperature long-life semi-liquid Na/polysulfide battery. <i>Materials Today Energy</i> , 2019 , 14, 100342	7	6
167	Unlocking high-potential non-persistent radical chemistry for semi-aqueous redox batteries. <i>Chemical Communications</i> , 2019 , 55, 2154-2157	5.8	5
166	A Desolvated Solid-Solid Interface for a High-Capacitance Electric Double Layer. <i>Advanced Energy Materials</i> , 2019 , 9, 1803715	21.8	11
165	N,P co-coordinated Fe species embedded in carbon hollow spheres for oxygen electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14732-14742	13	50
164	Hydrophilic tannic acid-modified WS ₂ nanosheets for enhanced polysulfide conversion in aqueous media. <i>JPhys Energy</i> , 2019 , 1, 015005	4.9	
163	Electric Double Layer: A Desolvated Solid-Solid Interface for a High-Capacitance Electric Double Layer (Adv. Energy Mater. 12/2019). <i>Advanced Energy Materials</i> , 2019 , 9, 1970037	21.8	1
162	Improving new particle formation simulation by coupling a volatility-basis set (VBS) organic aerosol module in NAQPMS+APM. <i>Atmospheric Environment</i> , 2019 , 204, 1-11	5.3	18
161	Superassembled Biocatalytic Porous Framework Micromotors with Reversible and Sensitive pH-Speed Regulation at Ultralow Physiological H ₂ O ₂ Concentration. <i>Advanced Functional Materials</i> , 2019 , 29, 1808900	15.6	48
160	Mitigating self-discharge of carbon-based electrochemical capacitors by modifying their electric-double layer to maximize energy efficiency. <i>Journal of Energy Chemistry</i> , 2019 , 38, 214-218	12	20

159	Versatile electrocatalytic processes realized by Ni, Co and Fe alloyed core coordinated carbon shells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12154-12165	13	22
158	Graphene-Based Planar Microsupercapacitors: Recent Advances and Future Challenges. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800200	6.8	40
157	Spherical Murray-Type Assembly of Co-N-C Nanoparticles as a High-Performance Trifunctional Electrocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9925-9933	9.5	31
156	Ternary MnO/CoMn alloy@N-doped graphitic composites derived from a bi-metallic pigment as bi-functional electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20649-20657	13	13
155	Refilling Nitrogen to Oxygen Vacancies in Ultrafine Tungsten Oxide Clusters for Superior Lithium Storage. <i>Advanced Energy Materials</i> , 2019 , 9, 1902148	21.8	32
154	Superior removal of Hg (II) ions from wastewater using hierarchically porous, functionalized carbon. <i>Journal of Hazardous Materials</i> , 2019 , 371, 33-41	12.8	30
153	High electrochemical cycling performance through accurately inheriting hierarchical porous structure from bagasse. <i>Journal of Energy Storage</i> , 2019 , 22, 60-67	7.8	6
152	Evolution of the electrochemical interface in sodium ion batteries with ether electrolytes. <i>Nature Communications</i> , 2019 , 10, 725	17.4	156
151	Carbon-Based Metal-Free Catalysts for Key Reactions Involved in Energy Conversion and Storage. <i>Advanced Materials</i> , 2019 , 31, e1801526	24	184
150	Functional Electrocatalysts Derived from Prussian Blue and its Analogues for Metal-Air Batteries: Progress and Prospects. <i>Batteries and Supercaps</i> , 2019 , 2, 290-310	5.6	23
149	Oxygen Electrocatalysis at Mn-O -C Hybrid Heterojunction: An Electronic Synergy or Cooperative Catalysis?. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 706-713	9.5	6
148	High-Performance Microsupercapacitors Based on Bioinspired Graphene Microfibers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10157-10164	9.5	30
147	Sodium Ion Capacitors: The Interplay of Oxygen Functional Groups and Folded Texture in Densified Graphene Electrodes for Compact Sodium-Ion Capacitors (Adv. Energy Mater. 11/2018). <i>Advanced Energy Materials</i> , 2018 , 8, 1870050	21.8	
146	A Li-ion sulfur full cell with ambient resistant Al-Li alloy anode. <i>Energy Storage Materials</i> , 2018 , 15, 209-217	7.4	28
145	The Interplay of Oxygen Functional Groups and Folded Texture in Densified Graphene Electrodes for Compact Sodium-Ion Capacitors. <i>Advanced Energy Materials</i> , 2018 , 8, 1702395	21.8	55
144	A gradient bi-functional graphene-based modified electrode for vanadium redox flow batteries. <i>Energy Storage Materials</i> , 2018 , 13, 66-71	19.4	47
143	Core/Shell NiFe Nanoalloy with a Discrete N-doped Graphitic Carbon Cover for Enhanced Water Oxidation. <i>ChemElectroChem</i> , 2018 , 5, 732-736	4.3	19
142	A Rechargeable Quasi-symmetrical MoS ₂ Battery. <i>Joule</i> , 2018 , 2, 1278-1286	27.8	17

141	Suitability of representative electrochemical energy storage technologies for ramp-rate control of photovoltaic power. <i>Journal of Power Sources</i> , 2018 , 384, 396-407	8.9	15
140	Dense Graphene Monolith for High Volumetric Energy Density Li ^B Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1703438	21.8	78
139	Layered conductive polymer-inorganic anion network for high-performance ultra-loading capacitive electrodes. <i>Energy Storage Materials</i> , 2018 , 14, 90-99	19.4	15
138	Tailoring magnesium based materials for hydrogen storage through synthesis: Current state of the art. <i>Energy Storage Materials</i> , 2018 , 10, 168-198	19.4	174
137	Soft Graphene oxide-organopolysulfide nanocomposites for superior pseudocapacitive lithium storage. <i>Chinese Chemical Letters</i> , 2018 , 29, 603-605	8.1	4
136	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> , 2018 , 643, 692-703	10.2	21
135	Nanosized-Zinc-Mediated Self-Gelation of Graphene Oxide under Ambient Conditions. <i>ChemPlusChem</i> , 2018 , 83, 947-955	2.8	1
134	Towards a reliable Li-metal-free LiNO ₃ -free Li-ion polysulphide full cell via parallel interface engineering. <i>Energy and Environmental Science</i> , 2018 , 11, 2509-2520	35.4	21
133	Functional Carbons Remedy the Shuttling of Polysulfides in Lithium-Sulfur Batteries: Confining, Trapping, Blocking, and Breaking up. <i>Advanced Functional Materials</i> , 2018 , 28, 1800508	15.6	117
132	Solar Redox Flow Batteries: Mechanism, Design, and Measurement. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1800031	5.9	15
131	Bimetal-organic frameworks for functionality optimization: MnFe-MOF-74 as a stable and efficient catalyst for the epoxidation of alkenes with HO ₂ . <i>Nanoscale</i> , 2018 , 10, 1591-1597	7.7	49
130	Ultrahigh rate sodium ion storage with nitrogen-doped expanded graphite oxide in ether-based electrolyte. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1582-1589	13	48
129	Benchmarking the Oxygen Reduction Electroactivity of First-Row Transition-Metal Oxide Clusters on Carbon Nanotubes. <i>ChemElectroChem</i> , 2018 , 5, 1862-1867	4.3	7
128	A highly efficient flocculant for graphene oxide recycling and its applications. <i>Nanotechnology</i> , 2018 , 29, 015401	3.4	0
127	Long-chain solid organic polysulfide cathode for high-capacity secondary lithium batteries. <i>Energy Storage Materials</i> , 2018 , 12, 30-36	19.4	20
126	Digital to analog resistive switching transition induced by graphene buffer layer in strontium titanate based devices. <i>Journal of Colloid and Interface Science</i> , 2018 , 512, 767-774	9.3	34
125	Polysulfide immobilization and conversion on a conductive polar MoC@MoO _x material for lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2018 , 10, 56-61	19.4	132
124	Evidence for Fast Lithium-Ion Diffusion and Charge-Transfer Reactions in Amorphous TiO ₂ Nanotubes: Insights for High-Rate Electrochemical Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42513-42523	9.5	19

123	Hybrid Solid Polymer Electrolytes with Two-Dimensional Inorganic Nanofillers. <i>Chemistry - A European Journal</i> , 2018 , 24, 18180-18203	4.8	19
122	A 2D Conductive Organic-Inorganic Hybrid with Extraordinary Volumetric Capacitance at Minimal Swelling. <i>Advanced Materials</i> , 2018 , 30, e1800400	24	27
121	Safe and high-rate supercapacitors based on an acetonitrile/water in salt hybrid electrolyte. <i>Energy and Environmental Science</i> , 2018 , 11, 3212-3219	35.4	186
120	Carboxymethyl cellulose binders enable high-rate capability of sulfurized polyacrylonitrile cathodes for LiS batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5460-5465	13	41
119	Light, Catalyst, Activation: Boosting Catalytic Oxygen Activation Using a Light Pretreatment Approach. <i>ACS Catalysis</i> , 2017 , 7, 3644-3653	13.1	17
118	Modification Based on MoO ₃ as Electrocatalysts for High Power Density Vanadium Redox Flow Batteries. <i>ChemElectroChem</i> , 2017 , 4, 1836-1839	4.3	24
117	More Reliable Lithium-Sulfur Batteries: Status, Solutions and Prospects. <i>Advanced Materials</i> , 2017 , 29, 1606823	24	1054
116	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> , 2017 , 5, 3239-3248	13	31
115	Monolithic Integration of Anodic Molybdenum Oxide Pseudocapacitive Electrodes on Screen-Printed Silicon Solar Cells for Hybrid Energy Harvesting-Storage Systems. <i>Advanced Energy Materials</i> , 2017 , 7, 1602325	21.8	8
114	Achieving superb sodium storage performance on carbon anodes through an ether-derived solid electrolyte interphase. <i>Energy and Environmental Science</i> , 2017 , 10, 370-376	35.4	297
113	Explaining the spatiotemporal variation of fine particle number concentrations over Beijing and surrounding areas in an air quality model with aerosol microphysics. <i>Environmental Pollution</i> , 2017 , 231, 1302-1313	9.3	10
112	Platinum electrocatalysts with plasmonic nano-cores for photo-enhanced oxygen-reduction. <i>Nano Energy</i> , 2017 , 41, 233-242	17.1	28
111	2017 ,		1
110	Nitrogen Doped Carbon Nanosheets Coupled Nickel-Carbon Pyramid Arrays Toward Efficient Evolution of Hydrogen. <i>Advanced Sustainable Systems</i> , 2017 , 1, 1700032	5.9	9
109	Hydrotalcite-wrapped CoB alloy with enhanced oxygen evolution activity. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 1021-1027	11.3	9
108	An Operando Mechanistic Evaluation of a Solar-Rechargeable Sodium-Ion Intercalation Battery. <i>Advanced Energy Materials</i> , 2017 , 7, 1700545	21.8	25
107	Universal Generating Function Based Probabilistic Production Simulation Approach Considering Wind Speed Correlation. <i>Energies</i> , 2017 , 10, 1786	3.1	7
106	Epitaxial Growth of Au-Pt-Ni Nanorods for Direct High Selectivity H ₂ O Production. <i>Advanced Materials</i> , 2016 , 28, 9949-9955	24	140

105	Confined SnO ₂ quantum-dot clusters in graphene sheets as high-performance anodes for lithium-ion batteries. <i>Scientific Reports</i> , 2016 , 6, 25829	4.9	32
104	Armoring Graphene Cathodes for High-Rate and Long-Life Lithium Ion Supercapacitors. <i>Advanced Energy Materials</i> , 2016 , 6, 1502064	21.8	73
103	Electrochemical stability of graphene cathode for high-voltage lithium ion capacitors. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016 , 11, 407-414	1.3	2
102	An Extension to the Analytical Evaluation of the Oxygen Reduction Reaction Based On the Electrokinetics On a Rotating Ring-Disk Electrode. <i>ChemElectroChem</i> , 2016 , 3, 622-628	4.3	17
101	High-capacity pseudocapacitive Li storage on functional nanoporous carbons with parallel mesopores. <i>Energy Storage Materials</i> , 2016 , 2, 14-20	19.4	10
100	Evolution of the effect of sulfur confinement in graphene-based porous carbons for use in Li-S batteries. <i>Nanoscale</i> , 2016 , 8, 4447-51	7.7	59
99	Porous yet dense metal-free electro-materials for compact energy storage. <i>Science China Materials</i> , 2016 , 59, 4-5	7.1	3
98	An integrated nanocarbon/cellulose membrane for solid-state supercapacitors. <i>Science Bulletin</i> , 2016 , 61, 368-377	10.6	4
97	The smart era of electrochemical energy storage devices. <i>Energy Storage Materials</i> , 2016 , 3, 66-68	19.4	24
96	Metal-Ligand Complexes as Molecular Metal-Ion Reservoirs for Highly Promoted Growth of Fe(OH) ₂ Microplates. <i>Crystal Growth and Design</i> , 2016 , 16, 8-11	3.5	9
95	An Aqueous Metal-Ion Capacitor with Oxidized Carbon Nanotubes and Metallic Zinc Electrodes. <i>Frontiers in Energy Research</i> , 2016 , 4,	3.8	45
94	Membrane Permeability Rates of Vanadium Ions and Their Effects on Temperature Variation in Vanadium Redox Batteries. <i>Energies</i> , 2016 , 9, 1058	3.1	32
93	A comparative study on layered cobalt hydroxides in water oxidation. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016 , 11, 415-423	1.3	9
92	Nanorods: Epitaxial Growth of Au/Pt/Ni Nanorods for Direct High Selectivity H ₂ O ₂ Production (Adv. Mater. 45/2016). <i>Advanced Materials</i> , 2016 , 28, 9872-9872	24	1
91	An integrated nanocarbon/cellulose membrane for solid-state supercapacitors. <i>Science Bulletin</i> , 2016 , 61, 368-377	10.6	4
90	Enhanced Electroactivity of Facet-Controlled Co ₃ O ₄ Nanocrystals for Enzymeless Biosensing. <i>Journal of Materials Science and Technology</i> , 2016 , 32, 24-27	9.1	8
89	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> , 2016 , 163, A1164-A1174	3.9	30
88	Li-S Batteries: A Flexible Sulfur-Graphene-Polypropylene Separator Integrated Electrode for Advanced Li-S Batteries (Adv. Mater. 4/2015). <i>Advanced Materials</i> , 2015 , 27, 590-590	24	4

87	Dependence of LiNO ₃ decomposition on cathode binders in LiS batteries. <i>Journal of Power Sources</i> , 2015 , 288, 13-19	8.9	43
86	Reduction-induced surface amorphization enhances the oxygen evolution activity in Co ₃ O ₄ . <i>RSC Advances</i> , 2015 , 5, 27823-27828	3.7	36
85	Carbon for the oxygen reduction reaction: a defect mechanism. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11736-11739	13	184
84	Electron-beam writing of deoxygenated micro-patterns on graphene oxide film. <i>Carbon</i> , 2015 , 95, 738-745	5.4	18
83	A smart self-regenerative lithium ion supercapacitor with a real-time safety monitor. <i>Energy Storage Materials</i> , 2015 , 1, 146-151	19.4	27
82	Hierarchical mesoporous yolk-shell structured carbonaceous nanospheres for high performance electrochemical capacitive energy storage. <i>Chemical Communications</i> , 2015 , 51, 2518-21	5.8	136
81	Revisiting oxygen reduction reaction on oxidized and unzipped carbon nanotubes. <i>Carbon</i> , 2015 , 81, 295-304	10.4	47
80	A flexible sulfur-graphene-polypropylene separator integrated electrode for advanced Li-S batteries. <i>Advanced Materials</i> , 2015 , 27, 641-7	24	466
79	Carbon: Two-Dimensional Porous Carbon: Synthesis and Ion-Transport Properties (Adv. Mater. 36/2015). <i>Advanced Materials</i> , 2015 , 27, 5254-5254	24	4
78	Structural Origin of the Activity in Mn ₃ O ₄ -Graphene Oxide Hybrid Electrocatalysts for the Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2015 , 8, 3331-9	8.3	52
77	Two-Dimensional Porous Carbon: Synthesis and Ion-Transport Properties. <i>Advanced Materials</i> , 2015 , 27, 5388-95	24	263
76	Order of Activity of Nitrogen, Iron Oxide, and Fe _N x Complexes towards Oxygen Reduction in Alkaline Medium. <i>ChemSusChem</i> , 2015 , 8, 4016-21	8.3	22
75	A Discussion on the Activity Origin in Metal-Free Nitrogen-Doped Carbons For Oxygen Reduction Reaction and their Mechanisms. <i>ChemSusChem</i> , 2015 , 8, 2772-88	8.3	97
74	Electroactive cellulose-supported graphene oxide interlayers for LiS batteries. <i>Carbon</i> , 2015 , 93, 611-619	10.4	59
73	Dispersible percolating carbon nano-electrodes for improvement of polysulfide utilization in LiS batteries. <i>Carbon</i> , 2015 , 93, 161-168	10.4	19
72	Ultrafast high-volumetric sodium storage of folded-graphene electrodes through surface-induced redox reactions. <i>Energy Storage Materials</i> , 2015 , 1, 112-118	19.4	69
71	A high-density graphene-sulfur assembly: a promising cathode for compact Li-S batteries. <i>Nanoscale</i> , 2015 , 7, 5592-7	7.7	83
70	Unusual high oxygen reduction performance in all-carbon electrocatalysts. <i>Scientific Reports</i> , 2014 , 4, 6289	4.9	59

69	A graphene-pure-sulfur sandwich structure for ultrafast, long-life lithium-sulfur batteries. <i>Advanced Materials</i> , 2014 , 26, 625-31, 664	24	842
68	Heterogeneous nanocarbon materials for oxygen reduction reaction. <i>Energy and Environmental Science</i> , 2014 , 7, 576	35.4	792
67	Oriented and Interlinked Porous Carbon Nanosheets with an Extraordinary Capacitive Performance. <i>Chemistry of Materials</i> , 2014 , 26, 6896-6903	9.6	161
66	Nanospace-confined formation of flattened Sn sheets in pre-seeded graphenes for lithium ion batteries. <i>Nanoscale</i> , 2014 , 6, 9554-8	7.7	34
65	Synergy of nanoconfinement and surface oxygen in recrystallization of sulfur melt in carbon nanocapsules and the related Li ₂ S cathode properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6439	13	30
64	Unravelling the Structure of Electrocatalytically Active Fe-N Complexes in Carbon for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2014 , 126, 10849-10853	3.6	40
63	Hierarchical Design of Porous Carbon Materials for Supercapacitors 2014 , 443-460		
62	Batteries: A Graphene-Pure-Sulfur Sandwich Structure for Ultrafast, Long-Life Lithium-Sulfur Batteries (Adv. Mater. 4/2014). <i>Advanced Materials</i> , 2014 , 26, 664-664	24	16
61	Unravelling the structure of electrocatalytically active Fe-N complexes in carbon for the oxygen reduction reaction. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10673-7	16.4	281
60	Solution phase synthesis of halogenated graphene and the electrocatalytic activity for oxygen reduction reaction. <i>Chinese Journal of Catalysis</i> , 2014 , 35, 884-890	11.3	19
59	Research and prospect on extraction of vanadium from vanadium slag by liquid oxidation technologies. <i>Transactions of Nonferrous Metals Society of China</i> , 2014 , 24, 1273-1288	3.3	44
58	The value of mixed conduction for oxygen electroreduction on graphene-chitosan composites. <i>Carbon</i> , 2014 , 73, 234-243	10.4	13
57	Fabrication and supercapacitive properties of a thick electrode of carbon nanotube-RuO ₂ core-shell hybrid material with a high RuO ₂ loading. <i>Nano Energy</i> , 2013 , 2, 1232-1241	17.1	34
56	Facile synthesis of dendritic gold nanostructures with hyperbranched architectures and their electrocatalytic activity toward ethanol oxidation. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9148-9154	8.4	49
55	The examination of graphene oxide for rechargeable lithium storage as a novel cathode material. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3607	13	61
54	Nanosize SnO ₂ -confined in the porous shells of carbon cages for kinetically efficient and long-term lithium storage. <i>Nanoscale</i> , 2013 , 5, 1576-82	7.7	68
53	Controlled electrochemical charge injection to maximize the energy density of supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 3722-5	16.4	142
52	Carbon-sulfur composites for Li ₂ S batteries: status and prospects. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9382	13	664

51	Fibrous hybrid of graphene and sulfur nanocrystals for high-performance lithium-sulfur batteries. <i>ACS Nano</i> , 2013 , 7, 5367-75	16.7	670
50	A facile soft-template synthesis of mesoporous polymeric and carbonaceous nanospheres. <i>Nature Communications</i> , 2013 , 4,	17.4	475
49	Controlled Electrochemical Charge Injection to Maximize the Energy Density of Supercapacitors. <i>Angewandte Chemie</i> , 2013 , 125, 3810-3813	3.6	23
48	Synthesis and electrocatalytic activity of Au/Pt bimetallic nanodendrites for ethanol oxidation in alkaline medium. <i>Journal of Colloid and Interface Science</i> , 2012 , 367, 342-7	9.3	46
47	In situ synthesis of Pt/carbon nanofiber nanocomposites with enhanced electrocatalytic activity toward methanol oxidation. <i>Journal of Colloid and Interface Science</i> , 2012 , 367, 199-203	9.3	43
46	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> , 2012 , 14, 8703-10	3.6	258
45	A nanosized Fe ₂ O ₃ decorated single-walled carbon nanotube membrane as a high-performance flexible anode for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17942		143
44	Oxygen bridges between NiO nanosheets and graphene for improvement of lithium storage. <i>ACS Nano</i> , 2012 , 6, 3214-23	16.7	866
43	A water-dielectric capacitor using hydrated graphene oxide film. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21085		66
42	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> , 2012 , 134, 4393-7	16.4	490
41	A flexible nanostructured sulphur/carbon nanotube cathode with high rate performance for Li-S batteries. <i>Energy and Environmental Science</i> , 2012 , 5, 8901	35.4	422
40	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> , 2012 , 22, 11252		64
39	Nitrogen-doped carbon monolith for alkaline supercapacitors and understanding nitrogen-induced redox transitions. <i>Chemistry - A European Journal</i> , 2012 , 18, 5345-51	4.8	317
38	Anodic chlorine/nitrogen co-doping of reduced graphene oxide films at room temperature. <i>Carbon</i> , 2012 , 50, 3333-3341	10.4	38
37	The effect of carbon particle morphology on the electrochemical properties of nanocarbon/polyaniline composites in supercapacitors. <i>New Carbon Materials</i> , 2011 , 26, 180-186	4.4	31
36	Facile synthesis and electrochemical properties of octahedral gold nanocrystals. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 157-163	2.3	6
35	Graphene/Cellulose Paper Flexible Supercapacitors. <i>Advanced Energy Materials</i> , 2011 , 1, 917-922	21.8	745
34	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> , 2011 , 354, 577-84	9.3	40

33	A new shape of gold nanocrystals: singly twinned squashed dodecahedron. <i>CrystEngComm</i> , 2010 , 12, 4028	3.3	14
32	Electrochemical determination of oxalic acid using palladium nanoparticle-loaded carbon nanofiber modified electrode. <i>Analytical Methods</i> , 2010 , 2, 855	3.2	56
31	Wurtzite P-Doped GaN Triangular Microtubes as Field Emitters. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 9627-9633	3.8	26
30	Graphene-Wrapped Fe ₃ O ₄ Anode Material with Improved Reversible Capacity and Cyclic Stability for Lithium Ion Batteries. <i>Chemistry of Materials</i> , 2010 , 22, 5306-5313	9.6	1660
29	High-energy MnO ₂ nanowire/graphene and graphene asymmetric electrochemical capacitors. <i>ACS Nano</i> , 2010 , 4, 5835-42	16.7	1331
28	Anchoring Hydrrous RuO ₂ on Graphene Sheets for High-Performance Electrochemical Capacitors. <i>Advanced Functional Materials</i> , 2010 , 20, 3595-3602	15.6	1033
27	Enhanced electrochemical sensitivity of PtRh electrodes coated with nitrogen-doped graphene. <i>Electrochemistry Communications</i> , 2010 , 12, 1423-1427	5.1	74
26	Field Emission and Cathodoluminescence of ZnS Hexagonal Pyramids of Zinc Blende Structured Single Crystals. <i>Advanced Functional Materials</i> , 2009 , 19, 484-490	15.6	42
25	3D Aperiodic Hierarchical Porous Graphitic Carbon Material for High-Rate Electrochemical Capacitive Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1525-1525	16.4	48
24	Electrochemical interfacial capacitance in multilayer graphene sheets: Dependence on number of stacking layers. <i>Electrochemistry Communications</i> , 2009 , 11, 1729-1732	5.1	143
23	Fabrication of Graphene/Polyaniline Composite Paper via In Situ Anodic Electropolymerization for High-Performance Flexible Electrode. <i>ACS Nano</i> , 2009 , 3, 1745-52	16.7	1355
22	Selective synthesis of single-crystalline rhombic dodecahedral, octahedral, and cubic gold nanocrystals. <i>Journal of the American Chemical Society</i> , 2009 , 131, 697-703	16.4	279
21	In situ assembly of multi-sheeted buckybooks from single-walled carbon nanotubes. <i>ACS Nano</i> , 2009 , 3, 707-13	16.7	38
20	Large-Scale and Template-Free Growth of Free-Standing Single-Crystalline Dendritic Ag/Pd Alloy Nanostructure Arrays. <i>Crystal Growth and Design</i> , 2009 , 9, 4351-4355	3.5	35
19	Comparison of the rate capability of nanostructured amorphous and anatase TiO ₂ for lithium insertion using anodic TiO ₂ nanotube arrays. <i>Nanotechnology</i> , 2009 , 20, 225701	3.4	172
18	Amorphous TiO ₂ nanotube arrays for low-temperature oxygen sensors. <i>Nanotechnology</i> , 2008 , 19, 405504	3.4	154
17	Diameter-selective growth of single-walled carbon nanotubes with high quality by floating catalyst method. <i>ACS Nano</i> , 2008 , 2, 1722-8	16.7	75
16	Synthesis of Tin (II or IV) Oxide Coated Multiwall Carbon Nanotubes with Controlled Morphology. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 5790-5794	3.8	42

15	Mesopore-Aspect-Ratio Dependence of Ion Transport in Rodtype Ordered Mesoporous Carbon. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 9950-9955	3.8	90
14	Electron field emission of a nitrogen-doped TiO(2) nanotube array. <i>Nanotechnology</i> , 2008 , 19, 025606	3.4	120
13	3D aperiodic hierarchical porous graphitic carbon material for high-rate electrochemical capacitive energy storage. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 373-6	16.4	1604
12	Electrospun Palladium Nanoparticle-Loaded Carbon Nanofibers and Their Electrocatalytic Activities towards Hydrogen Peroxide and NADH. <i>Advanced Functional Materials</i> , 2008 , 18, 441-448	15.6	270
11	Aligned Titania Nanotubes as an Intercalation Anode Material for Hybrid Electrochemical Energy Storage. <i>Advanced Functional Materials</i> , 2008 , 18, 3787-3793	15.6	91
10	3D Aperiodic Hierarchical Porous Graphitic Carbon Material for High-Rate Electrochemical Capacitive Energy Storage. <i>Angewandte Chemie</i> , 2008 , 120, 379-382	3.6	441
9	Hierarchical porous nickel oxide and carbon as electrode materials for asymmetric supercapacitor. <i>Journal of Power Sources</i> , 2008 , 185, 1563-1568	8.9	398
8	Synthesis and dye separation performance of ferromagnetic hierarchical porous carbon. <i>Carbon</i> , 2008 , 46, 1593-1599	10.4	75
7	Synthesis and Electrochemical Property of Boron-Doped Mesoporous Carbon in Supercapacitor. <i>Chemistry of Materials</i> , 2008 , 20, 7195-7200	9.6	451
6	Improved capacitance of SBA-15 templated mesoporous carbons after modification with nitric acid oxidation. <i>New Carbon Materials</i> , 2007 , 22, 307-314	4.4	87
5	Effect of pore packing defects in 2-d ordered mesoporous carbons on ionic transport. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 8570-5	3.4	135
4	Precise Regulation of Ga-Based Liquid Metal Oxidation. <i>Accounts of Materials Research</i> ,	7.5	13
3	Wafer-scale quasi-layered tungstate-doped polypyrrole film with high volumetric capacitance. <i>Nano Research</i> ,1	10	0
2	Energy Storing Plant Stem with Cytocompatibility for Supercapacitor Electrode. <i>Advanced Functional Materials</i> ,2106787	15.6	0
1	Design Rationale and Device Configuration of Lithium-Ion Capacitors. <i>Advanced Energy Materials</i> ,2200920	11.8	1