

# Jin-Tao Zhang

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2887941/jin-tao-zhang-publications-by-year.pdf>

**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

173 papers	18,246 citations	66 h-index	134 g-index
184 ext. papers	21,143 ext. citations	11.2 avg, IF	7.63 L-index

#	Paper	IF	Citations
173	Shapeable carbon fiber networks with hierarchical porous structure for high-performance Zn-I2 batteries. <i>Science China Chemistry</i> , <b>2022</b> , 65, 391-398	7.9	1
172	Interface Coordination Stabilizing Reversible Redox of Zinc for High-Performance Zinc-Iodine Batteries.. <i>Small</i> , <b>2022</b> , e2200168	11	0
171	Electrochemically Driven Interfacial Transformation For High-Performing Solar-To-Fuel Electrocatalytic Conversion (Adv. Energy Mater. 19/2022). <i>Advanced Energy Materials</i> , <b>2022</b> , 12, 2270077 <sup>21.8</sup>	21.8	3
170	The regulation of coordination structure between cobalt and nitrogen on graphene for efficient bifunctional electrocatalysis in Zn-air batteries. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 68, 213-213	12	2
169	Interface coating of iron nitride on carbon cloth for reversible lithium redox in rechargeable battery. <i>Chemical Engineering Journal</i> , <b>2021</b> , 431, 133961	14.7	0
168	Regulating Intrinsic Electronic Structures of Transition-Metal-Based Catalysts and the Potential Applications for Electrocatalytic Water Splitting <b>2021</b> , 3, 752-780		16
167	Toward Flexible Zinc-Air Batteries with Self-Supported Air Electrodes. <i>Small</i> , <b>2021</b> , 17, e2006773	11	11
166	In-situ deposition of Pd/Pd4S heterostructure on hollow carbon spheres as efficient electrocatalysts for rechargeable Li-O2 batteries. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 2086-2090	8.1	7
165	Iodine Redox Chemistry in Rechargeable Batteries. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 12744-12755	3.6	3
164	Recent advances in the field of carbon-based cathode electrocatalysts for Zn  air batteries. <i>Materials Advances</i> , <b>2021</b> , 2, 96-114	3.3	10
163	CoMoP2 nanoparticles anchored on N, P doped carbon nanosheets for high-performance lithium-oxygen batteries. <i>FlatChem</i> , <b>2021</b> , 25, 100221	5.1	4
162	ORR and OER of Co   codoped carbon-based electrocatalysts enhanced by boundary layer oxygen molecules transfer. <i>Carbon</i> , <b>2021</b> , 172, 556-568	10.4	26
161	Iodine Redox Chemistry in Rechargeable Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 12636-12647	16.4	23
160	Phase modulation of 1T/2H MoSe2 nanoflowers for highly efficient bifunctional electrocatalysis in rechargeable Li  O2 batteries. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 19922-19931	13	8
159	Fe ultra-small particles anchored on carbon aerogels to enhance the oxygen reduction reaction in Zn-air batteries. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 6861-6871	13	10
158	Co3Fe7 nanoparticles encapsulated in porous nitrogen-doped carbon nanofibers as bifunctional electrocatalysts for rechargeable zinc  air batteries. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 6559-6567	7.8	1
157	High-Throughput Screening of Nitrogen-Coordinated Bimetal Catalysts for Multielectron Reduction of CO2 to CH4 with High Selectivity and Low Limiting Potential. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 7155-7165	3.8	7

156	Fe-Ni Alloy Nanoclusters Anchored on Carbon Aerogels as High-Efficiency Oxygen Electrocatalysts in Rechargeable Zn-Air Batteries. <i>Small</i> , <b>2021</b> , 17, e2102002	11	7
155	Metal Phosphides Embedded with In Situ-Formed Metal Phosphate Impurities as Buffer Materials for High-Performance Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101413	21.8	4
154	In Situ Characterization for Boosting Electrocatalytic Carbon Dioxide Reduction.. <i>Small Methods</i> , <b>2021</b> , 5, e2100700	12.8	7
153	Surface modification of SnO <sub>2</sub> nanosheets via ultrathin N-doped carbon layers for improving CO <sub>2</sub> electrocatalytic reduction. <i>Chemical Engineering Journal</i> , <b>2021</b> , 421, 130003	14.7	11
152	Strong interactions of metal-support for efficient reduction of carbon dioxide into ethylene. <i>Nano Energy</i> , <b>2021</b> , 89, 106460	17.1	9
151	Defect evolution of hierarchical SnO <sub>2</sub> aggregates for boosting CO <sub>2</sub> electrocatalytic reduction. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 14741-14751	13	8
150	Atomic Bridging Structure of Nickel-Nitrogen-Carbon for Highly Efficient Electrocatalytic Reduction of CO.. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , e202113918	16.4	7
149	A Defect-rich N, P Co-doped Carbon Foam as Efficient Electrocatalyst toward Oxygen Reduction Reaction. <i>ChemCatChem</i> , <b>2020</b> , 12, 4105-4111	5.2	10
148	Surface coating of electrocatalysts boosts battery performance. <i>Rare Metals</i> , <b>2020</b> , 39, 613-615	5.5	7
147	The role of oxygen vacancies of ABO <sub>3</sub> perovskite oxides in the oxygen reduction reaction. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 1408-1428	35.4	181
146	Preparation of Hierarchical Cube-on-plate Metal Phosphides as Bifunctional Electrocatalysts for Overall Water Splitting. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 1500-1504	4.5	8
145	Designed Formation of Double-Shelled Ni-Fe Layered-Double-Hydroxide Nanocages for Efficient Oxygen Evolution Reaction. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906432	24	167
144	Redox reactions of halogens for reversible electrochemical energy storage. <i>Dalton Transactions</i> , <b>2020</b> , 49, 9929-9934	4.3	9
143	Tuning cobalt eg occupation of Co-NCNT by manipulation of crystallinity facilitates more efficient oxygen evolution and reduction. <i>Journal of Catalysis</i> , <b>2020</b> , 383, 221-229	7.3	5
142	Hollow La <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> nanospheres as an electrocatalyst for the oxygen reduction reaction in alkaline media. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 12514-12524	6.7	5
141	Interfacial coordination assembly of tannic acid with metal ions on three-dimensional nickel hydroxide nanowalls for efficient water splitting. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 15845-15852 <sup>13</sup>		46
140	Design Strategies for Carbon-based Electrocatalysts and Application to Oxygen Reduction in Fuel Cells. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , <b>2020</b> , 2007072-0	3.8	2
139	Controlled chelation between tannic acid and Fe precursors to obtain N, S co-doped carbon with high density Fe-single atom-nanoclusters for highly efficient oxygen reduction reaction in Zn  air batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 17136-17149	13	23

138	Rational Modulation of Carbon Fibers for High-Performance Zinc-Iodine Batteries. <i>Advanced Sustainable Systems</i> , <b>2020</b> , 4, 2000138	5.9	12
137	Lithium-Oxygen Batteries: Tunable Cationic Vacancies of Cobalt Oxides for Efficient Electrocatalysis in LiO <sub>2</sub> Batteries (Adv. Energy Mater. 40/2020). <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2070167	21.8	1
136	Tunable Cationic Vacancies of Cobalt Oxides for Efficient Electrocatalysis in LiO <sub>2</sub> Batteries. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2001415	21.8	55
135	Metal-Organic-Framework Derived Core-Shell N-Doped Carbon Nanocages Embedded with Cobalt Nanoparticles as High-Performance Anode Materials for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2006188	15.6	41
134	Regulation of Lamellar Structure of Vanadium Oxide via Polyaniline Intercalation for High-Performance Aqueous Zinc-Ion Battery. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003890	15.6	78
133	Well-dispersed SnO <sub>2</sub> nanocrystals on N-doped carbon nanowires as efficient electrocatalysts for carbon dioxide reduction. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 41, 7-14	12	21
132	Biallelic mutations in cause male infertility with multiple morphological abnormalities of the sperm flagella in humans and mice. <i>Journal of Medical Genetics</i> , <b>2020</b> , 57, 89-95	5.8	30
131	Cobalt nitride embedded holey N-doped graphene as advanced bifunctional electrocatalysts for Zn-Air batteries and overall water splitting. <i>Carbon</i> , <b>2020</b> , 157, 234-243	10.4	75
130	Differentiation of prostate cancer and benign prostatic hyperplasia: comparisons of the histogram analysis of intravoxel incoherent motion and monoexponential model with in-bore MR-guided biopsy as pathological reference. <i>Abdominal Radiology</i> , <b>2020</b> , 45, 3265-3277	3	5
129	DPW-LRU: An Efficient Buffer Management Policy Based on Dynamic Page Weight for Flash Memory in Cyber-Physical Systems. <i>IEEE Access</i> , <b>2019</b> , 7, 58810-58821	3.5	2
128	Characteristics of patients with enhancing intracranial atherosclerosis and association between plaque enhancement and recent cerebrovascular ischemic events: a high-resolution magnetic resonance imaging study. <i>Acta Radiologica</i> , <b>2019</b> , 60, 1301-1307	2	14
127	A 3D and Stable Lithium Anode for High-Performance Lithium-Iodine Batteries. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902399	24	94
126	Ultrafine Dual-Phased Carbide Nanocrystals Confined in Porous Nitrogen-Doped Carbon Dodecahedrons for Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900699	24	191
125	Carbon-Based Electrocatalysts: Atomic Modulation and Structure Design of Carbons for Bifunctional Electrocatalysis in Metal-Air Batteries (Adv. Mater. 13/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970095	24	24
124	In-situ exfoliation of porous carbon nitride nanosheets for enhanced hydrogen evolution. <i>Nano Energy</i> , <b>2019</b> , 59, 598-609	17.1	69
123	Edge-doping modulation of N, P-codoped porous carbon spheres for high-performance rechargeable Zn-air batteries. <i>Nano Energy</i> , <b>2019</b> , 60, 536-544	17.1	163
122	Bifunctional Oxygen Electrocatalysis of N, S-Codoped Porous Carbon with Interspersed Hollow CoO Nanoparticles for Rechargeable Zn-Air Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 16720-16728	9.5	75
121	A flexible solid-state supercapacitor based on graphene/polyaniline paper electrodes. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 32, 166-173	12	52

120	Cyclooxygenase 2 augments osteoblastic but suppresses chondrocytic differentiation of CD90 skeletal stem cells in fracture sites. <i>Science Advances</i> , <b>2019</b> , 5, eaaw2108	14.3	10
119	Hierarchical Assembly of Prussian Blue Derivatives for Superior Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1904955	15.6	48
118	Thermally driven phase transition of manganese oxide on carbon cloth for enhancing the performance of flexible all-solid-state zinc-air batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19719-19727	13.7	46
117	Unveiling the Activity Origin of Electrocatalytic Oxygen Evolution over Isolated Ni Atoms Supported on a N-Doped Carbon Matrix. <i>Advanced Materials</i> , <b>2019</b> , 31, e1904548	24	151
116	Prussian Blue Derivatives: Hierarchical Assembly of Prussian Blue Derivatives for Superior Oxygen Evolution Reaction (Adv. Funct. Mater. 45/2019). <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1970310	15.6	11
115	2020 Roadmap on two-dimensional nanomaterials for environmental catalysis. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 2065-2088	8.1	72
114	Peer contagion processes for problematic internet use among Chinese college students: A process model involving peer pressure and maladaptive cognition. <i>Computers in Human Behavior</i> , <b>2019</b> , 90, 276-283	7.7	9
113	Thermal Sugar Bubbling Preparation of N-Doped Porous Carbon for High-Performance Solid-State Zn-Air Batteries. <i>Batteries and Supercaps</i> , <b>2019</b> , 2, 373-379	5.6	18
112	Systolic Blood Pressure Trajectories in the Acute Phase and Clinical Outcomes in 2-Year Follow-up Among Patients With Ischemic Stroke. <i>American Journal of Hypertension</i> , <b>2019</b> , 32, 317-325	2.3	13
111	Sulfur and nitrogen enriched graphene foam scaffolds for aqueous rechargeable zinc-iodine battery. <i>Electrochimica Acta</i> , <b>2019</b> , 296, 755-761	6.7	53
110	Synthesis of Cobalt Sulfide Multi-shelled Nanoboxes with Precisely Controlled Two to Five Shells for Sodium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 2701-2705	3.6	27
109	Synthesis of Cobalt Sulfide Multi-shelled Nanoboxes with Precisely Controlled Two to Five Shells for Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 2675-2679	16.4	117
108	Interfacial Scaffolding Preparation of Hierarchical PBA-Based Derivative Electrocatalysts for Efficient Water Splitting. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1802939	21.8	74
107	Nitrogen, phosphorus co-doped carbon cloth as self-standing electrode for lithium-iodine batteries. <i>Nano Research</i> , <b>2019</b> , 12, 549-555	10	38
106	Preparation of Porous [email protected]3O4 and Its Application in the Oxygen Reduction Reaction and Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 831-837	8.3	46
105	Atomic Modulation and Structure Design of Carbons for Bifunctional Electrocatalysis in Metal-Air Batteries. <i>Advanced Materials</i> , <b>2019</b> , 31, e1803800	24	141
104	Nitrogen, Fluorine, and Boron Ternary Doped Carbon Fibers as Cathode Electrocatalysts for Zinc-Air Batteries. <i>Small</i> , <b>2018</b> , 14, e1800737	11	126
103	The cost of Alzheimer's disease in China and re-estimation of costs worldwide. <i>Alzheimer's and Dementia</i> , <b>2018</b> , 14, 483-491	1.2	205

102	Recent advances in flexible supercapacitors based on carbon nanotubes and graphene. <i>Science China Materials</i> , <b>2018</b> , 61, 210-232	7.1	40
101	Ternary doped porous carbon nanofibers with excellent ORR and OER performance for zinc-air batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 10918-10925	13	150
100	Three-dimensional nitrogen and phosphorous Co-doped graphene aerogel electrocatalysts for efficient oxygen reduction reaction. <i>Science China Chemistry</i> , <b>2018</b> , 61, 592-597	7.9	23
99	Tunable CoFe-based active sites on 3D heteroatom doped graphene aerogel electrocatalysts via annealing gas regulation for efficient water splitting. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 15728-15737	12.3	44
98	The ensemble effect of nitrogen doping and ultrasmall SnO <sub>2</sub> nanocrystals on graphene sheets for efficient electroreduction of carbon dioxide. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 239, 441-449	21.8	58
97	A pyrolyzed polyacrylonitrile/selenium disulfide composite cathode with remarkable lithium and sodium storage performances. <i>Science Advances</i> , <b>2018</b> , 4, eaat1687	14.3	172
96	Necklace-Like Structures Composed of Fe N@C Yolk-Shell Particles as an Advanced Anode for Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800525	24	119
95	Internet addiction, problematic internet use, nonproblematic internet use among Chinese adolescents: Individual, parental, peer, and sociodemographic correlates. <i>Psychology of Addictive Behaviors</i> , <b>2018</b> , 32, 365-372	3.4	10
94	Is Neural Processing of Negative Stimuli Altered in Addiction Independent of Drug Effects? Findings From Drug-Naïve Youth with Internet Gaming Disorder. <i>Neuropsychopharmacology</i> , <b>2018</b> , 43, 1364-1372	8.7	24
93	Green catalytic engineering: A powerful tool for sustainable development in chemical industry. <i>Frontiers of Chemical Science and Engineering</i> , <b>2018</b> , 12, 835-837	4.5	5
92	Quasi-parallel arrays with a 2D-on-2D structure for electrochemical supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24717-24727	13	37
91	Personality and Problematic Internet Use Among Chinese College Students: The Mediating Role of Maladaptive Cognitions Over Internet Use. <i>Cyberpsychology, Behavior, and Social Networking</i> , <b>2018</b> , 21, 719-726	4.4	4
90	Structural engineering of transition metal-based nanostructured electrocatalysts for efficient water splitting. <i>Frontiers of Chemical Science and Engineering</i> , <b>2018</b> , 12, 838-854	4.5	24
89	Nickel-Iron Layered Double Hydroxide Hollow Polyhedrons as a Superior Sulfur Host for Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10944-10948	16.4	205
88	Nickel-Iron Layered Double Hydroxide Hollow Polyhedrons as a Superior Sulfur Host for Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11110-11114	3.6	23
87	Embedding CoS <sub>2</sub> nanoparticles in N-doped carbon nanotube hollow frameworks for enhanced lithium storage properties. <i>Nano Research</i> , <b>2017</b> , 10, 4298-4304	10	122
86	Synthesis of electrocatalytically functional carbon honeycombs through cooking with molecule precursors. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 6472-6481	6.7	12
85	An Improved LiFeS <sub>2</sub> Battery with High Energy Density and Long Cycle Life. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700281	21.8	91

84	Encapsulation of zinc hexacyanoferrate nanocubes with manganese oxide nanosheets for high-performance rechargeable zinc ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 23628-23633 <sup>13</sup>	128
83	Mesoporous Carbon@Titanium Nitride Hollow Spheres as an Efficient SeS Host for Advanced Li-SeS Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16003-16007	16.4 88
82	Mesoporous Carbon@Titanium Nitride Hollow Spheres as an Efficient SeS <sub>2</sub> Host for Advanced LiSeS <sub>2</sub> Batteries. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16219-16223	3.6 18
81	A Compact Nanoconfined Sulfur Cathode for High-Performance Lithium-Sulfur Batteries. <i>Joule</i> , <b>2017</b> , 1, 576-587	27.8 194
80	Cobalt hexacyanoferrate nanoparticles and MoO <sub>3</sub> thin films grown on carbon fiber cloth for efficient flexible hybrid supercapacitor. <i>Journal of Power Sources</i> , <b>2017</b> , 370, 98-105	8.9 39
79	Rational design of Cu-based electrocatalysts for electrochemical reduction of carbon dioxide. <i>Journal of Energy Chemistry</i> , <b>2017</b> , 26, 1050-1066	12 46
78	3 D Porous Nickel-Cobalt Nitrides Supported on Nickel Foam as Efficient Electrocatalysts for Overall Water Splitting. <i>ChemSusChem</i> , <b>2017</b> , 10, 4170-4177	8.3 127
77	Apolipoprotein A-IV constrains HPA and behavioral stress responsivity in a strain-dependent manner. <i>Psychoneuroendocrinology</i> , <b>2017</b> , 86, 34-44	5 2
76	A rechargeable iodine-carbon battery that exploits ion intercalation and iodine redox chemistry. <i>Nature Communications</i> , <b>2017</b> , 8, 527	17.4 108
75	A Freestanding Selenium Disulfide Cathode Based on Cobalt Disulfide-Decorated Multichannel Carbon Fibers with Enhanced Lithium Storage Performance. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 14295-14300 <sup>36</sup>	21
74	A Freestanding Selenium Disulfide Cathode Based on Cobalt Disulfide-Decorated Multichannel Carbon Fibers with Enhanced Lithium Storage Performance. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 14107-14112	16.4 91
73	Facile preparation of nitrogen-doped graphene as an efficient oxygen reduction electrocatalyst. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 1582-1590	6.8 20
72	Hairless controls hair fate decision via Wnt/ $\beta$ -catenin signaling. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 491, 567-570	3.4 4
71	Interfacial Deposition of Three-Dimensional Nickel Hydroxide Nanosheet-Graphene Aerogel on Ni Wire for Flexible Fiber Asymmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 821-827	8.3 43
70	Transgenic mice display hair loss and regrowth overexpressing mutant Hr gene. <i>Experimental Animals</i> , <b>2017</b> , 66, 379-386	1.8
69	Antiphosphatidylserine Antibodies and Clinical Outcomes in Patients With Acute Ischemic Stroke. <i>Stroke</i> , <b>2016</b> , 47, 2742-2748	6.7 10
68	Cation Intercalation in Manganese Oxide Nanosheets: Effects on Lithium and Sodium Storage. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 10604-10608	3.6 33
67	Cation Intercalation in Manganese Oxide Nanosheets: Effects on Lithium and Sodium Storage. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10448-52	16.4 59

66	Implementation of dispersion-free slow acoustic wave propagation and phase engineering with helical-structured metamaterials. <i>Nature Communications</i> , <b>2016</b> , 7, 11731	17.4	192
65	A sulfur host based on titanium monoxide@carbon hollow spheres for advanced lithium-sulfur batteries. <i>Nature Communications</i> , <b>2016</b> , 7, 13065	17.4	511
64	Double-Shelled Nanocages with Cobalt Hydroxide Inner Shell and Layered Double Hydroxides Outer Shell as High-Efficiency Polysulfide Mediator for Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 4050-4054	3.6	51
63	A rechargeable Na-Zn hybrid aqueous battery fabricated with nickel hexacyanoferrate and nanostructured zinc. <i>Journal of Power Sources</i> , <b>2016</b> , 321, 257-263	8.9	95
62	General Preparation of Three-Dimensional Porous Metal Oxide Foams Coated with Nitrogen-Doped Carbon for Enhanced Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 17402-8	9.5	32
61	N,P-Codoped Carbon Networks as Efficient Metal-free Bifunctional Catalysts for Oxygen Reduction and Hydrogen Evolution Reactions. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 2270-2274	3.6	185
60	High-energy cobalt hexacyanoferrate and carbon micro-spheres aqueous sodium-ion capacitors. <i>Journal of Power Sources</i> , <b>2016</b> , 303, 347-353	8.9	77
59	Unusual Formation of CoSe@carbon Nanoboxes, which have an Inhomogeneous Shell, for Efficient Lithium Storage. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 9514-8	16.4	270
58	Lithium-storage Properties of Gallic Acid-Reduced Graphene Oxide and Silicon-Graphene Composites. <i>Electrochimica Acta</i> , <b>2016</b> , 212, 473-480	6.7	23
57	N,P-Codoped Carbon Networks as Efficient Metal-free Bifunctional Catalysts for Oxygen Reduction and Hydrogen Evolution Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 2230-4	16.4	638
56	Double-Shelled Nanocages with Cobalt Hydroxide Inner Shell and Layered Double Hydroxides Outer Shell as High-Efficiency Polysulfide Mediator for Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3982-6	16.4	447
55	Unusual Formation of CoSe@carbon Nanoboxes, which have an Inhomogeneous Shell, for Efficient Lithium Storage. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 9666-9670	3.6	31
54	Rational design of graphitic carbon based nanostructures for advanced electrocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 8497-8511	13	66
53	Functionalization of chemically derived graphene for improving its electrocapacitive energy storage properties. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1891-1930	35.4	181
52	Nitrogen, Phosphorus, and Fluorine Tri-doped Graphene as a Multifunctional Catalyst for Self-Powered Electrochemical Water Splitting. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 13490-13494	3.6	93
51	Nitrogen-doped hierarchically porous carbon networks: synthesis and applications in lithium-ion battery, sodium-ion battery and zinc-air battery. <i>Electrochimica Acta</i> , <b>2016</b> , 219, 592-603	6.7	138
50	Nitrogen, Phosphorus, and Fluorine Tri-doped Graphene as a Multifunctional Catalyst for Self-Powered Electrochemical Water Splitting. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 13296-13300	16.4	406
49	Frontispiece: Unusual Formation of CoSe@carbon Nanoboxes, which have an Inhomogeneous Shell, for Efficient Lithium Storage. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55,	16.4	3

48	A metal-free bifunctional electrocatalyst for oxygen reduction and oxygen evolution reactions. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 444-52	28.7	2290
47	Heteroatom-Doped Graphitic Carbon Catalysts for Efficient Electrocatalysis of Oxygen Reduction Reaction. <i>ACS Catalysis</i> , <b>2015</b> , 5, 7244-7253	13.1	422
46	A Low-Cost FDM System for Multi-Longitudinal Mode Fiber Laser Sensor Array. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 2186-2189	2.2	9
45	Carbon-based electrocatalysts for advanced energy conversion and storage. <i>Science Advances</i> , <b>2015</b> , 1, e1500564	14.3	434
44	Heteroatom-Doped Carbon Nanotubes as Advanced Electrocatalysts for Oxygen Reduction Reaction <b>2015</b> , 1-16		3
43	Near infrared microcoupler with multilayer isotropic metamaterials. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 143105	2.5	2
42	Hollow Carbon Nanofibers Filled with MnO <sub>2</sub> Nanosheets as Efficient Sulfur Hosts for Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12886-90	16.4	691
41	Hollow Carbon Nanofibers Filled with MnO <sub>2</sub> Nanosheets as Efficient Sulfur Hosts for Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 13078-13082	3.6	93
40	Three-Dimensional Macroporous Graphene Foam Filled with Mesoporous Polyaniline Network for High Areal Capacitance. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 2291-2296	8.3	55
39	Solution-processed flexible transparent conductors based on carbon nanotubes and silver grid hybrid films. <i>Nanoscale</i> , <b>2014</b> , 6, 4560-5	7.7	22
38	Graphene modified carbon nanosheets for electrochemical detection of Pb(II) in water. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13139	13	52
37	High capacitive performance of flexible and binder-free graphene-polypyrrole composite membrane based on in situ reduction of graphene oxide and self-assembly. <i>Nanoscale</i> , <b>2013</b> , 5, 9860-6	7.7	82
36	Direct growth of flower-like manganese oxide on reduced graphene oxide towards efficient oxygen reduction reaction. <i>Chemical Communications</i> , <b>2013</b> , 49, 6334-6	5.8	95
35	Porous carbon nanosheets with precisely tunable thickness and selective CO <sub>2</sub> adsorption properties. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 3740	35.4	151
34	A comparative study of electrocapacitive properties of manganese dioxide clusters dispersed on different carbons. <i>Carbon</i> , <b>2013</b> , 52, 1-9	10.4	61
33	Sandwich-Type Microporous Carbon Nanosheets for Enhanced Supercapacitor Performance. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 1421-1427	21.8	130
32	DNA-Functionalized Graphene to Guide Growth of Highly Active Pd Nanocrystals as Efficient Electrocatalyst for Direct Formic Acid Fuel Cells. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 167-171	21.8	185
31	Dendritic Pt/Cu bimetallic nanocrystals with a high electrocatalytic activity toward methanol oxidation. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 132, 244-247	4.4	36

30	Nanoporous metals: fabrication strategies and advanced electrochemical applications in catalysis, sensing and energy systems. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 7016-31	58.5	368
29	Conducting Polymers Directly Coated on Reduced Graphene Oxide Sheets as High-Performance Supercapacitor Electrodes. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 5420-5426	3.8	581
28	Ultrathin MnO <sub>2</sub> nanofibers grown on graphitic carbon spheres as high-performance asymmetric supercapacitor electrodes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 153-160		503
27	On the configuration of supercapacitors for maximizing electrochemical performance. <i>ChemSusChem</i> , <b>2012</b> , 5, 818-41	8.3	359
26	Preparation, characterization and antibacterial properties of silver-modified graphene oxide. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 3350-3352		373
25	Supercapacitors: Electrode Materials Aspects <b>2011</b> ,		2
24	Synthesis and Capacitive Properties of Manganese Oxide Nanosheets Dispersed on Functionalized Graphene Sheets. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 6448-6454	3.8	332
23	A high-performance asymmetric supercapacitor fabricated with graphene-based electrodes. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 4009	35.4	666
22	Graphene-metal oxide composites for the degradation of dyes under visible light irradiation. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 3634		574
21	Bimetallic Pt-Au thin film electrocatalysts with hierarchical structures for the oxidation of formic acid. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 127, 484-488	4.4	8
20	The BioAssay network and its implications to future therapeutic discovery. <i>BMC Bioinformatics</i> , <b>2011</b> , 12 Suppl 5, S1	3.6	13
19	Characterizing the diversity and biological relevance of the MLPCN assay manifold and screening set. <i>Journal of Chemical Information and Modeling</i> , <b>2011</b> , 51, 1205-15	6.1	11
18	Supercapacitors: Electrode Materials Aspects <b>2011</b> ,		3
17	Using proteomic approach to identify tumor-associated proteins as biomarkers in human esophageal squamous cell carcinoma. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 2863-72	5.6	110
16	Synthesis, characterization and capacitive performance of hydrous manganese dioxide nanostructures. <i>Nanotechnology</i> , <b>2011</b> , 22, 125703	3.4	36
15	Synthesis and capacitive properties of carbonaceous sphere@MnO <sub>2</sub> rattle-type hollow structures. <i>Journal of Materials Research</i> , <b>2010</b> , 25, 1476-1484	2.5	18
14	Template Synthesis of Tubular Ruthenium Oxides for Supercapacitor Applications. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 13608-13613	3.8	121
13	Enhancement of Electrochemical Performance of Macroporous Carbon by Surface Coating of Polyaniline. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 1195-1202	9.6	146

12	Fabrication of monometallic (Co, Pd, Pt, Au) and bimetallic (Pt/Au, Au/Pt) thin films with hierarchical architectures as electrocatalysts. <i>Solid State Sciences</i> , <b>2010</b> , 12, 822-828	3.4	8
11	Fabrication of Gold Nanoprism Thin Films and Their Applications in Designing High Activity Electrocatalysts. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 1738-1745	3.8	27
10	Electrocatalytic activity of bimetallic platinum-gold catalysts fabricated based on nanoporous gold. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 3250-5	3.6	70
9	Synthesis of Silver Nanoparticles in Ionic Liquid by a Simple Effective Electrochemical Method. <i>Journal of Dispersion Science and Technology</i> , <b>2008</b> , 29, 1059-1061	1.5	15
8	Facile Fabrication and Unexpected Electrocatalytic Activity of Palladium Thin Films with Hierarchical Architectures. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 13970-13975	3.8	47
7	Electrochemical reductive dechlorination of carbon tetrachloride on nanostructured Pd thin films. <i>Electrochemistry Communications</i> , <b>2008</b> , 10, 1474-1477	5.1	18
6	Electrochemical Synthesis, Voltammetric Behavior, and Electrocatalytic Activity of Pd Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 2456-2461	3.8	129
5	High catalytic activity of nanostructured Pd thin films electrochemically deposited on polycrystalline Pt and Au substrates towards electro-oxidation of methanol. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 1298-1304	5.1	66
4	Nanostructured Porous Gold for Methanol Electro-Oxidation. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 10382-10388	3.8	321
3	Recent Development and Applications of Advanced Materials via Direct Ink Writing. <i>Advanced Materials Technologies</i> , 2101358	6.8	3
2	Electrochemically Driven Interfacial Transformation For High-Performing Solar-To-Fuel Electrocatalytic Conversion. <i>Advanced Energy Materials</i> , 2103960	21.8	4
1	Dynamic Reversible Evolution of Solid Electrolyte Interface in Nonflammable Triethyl Phosphate Electrolyte Enabling Safe and Stable Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2200771	15.6	2