

Xiaogang Zhang

List of Publications by Year in Descending Order

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

217
papers

16,383
citations

64
h-index

124
g-index

233
ext. papers

18,446
ext. citations

9.2
avg. IF

6.98
L-index

#	Paper	IF	Citations
217	Revealing the multiple cathodic and anodic involved charge storage mechanism in an FeSe ₂ cathode for aluminium-ion batteries by in situ magnetometry. <i>Energy and Environmental Science</i> , 2022 , 15, 311-319	35.4	13
216	Hierarchical porous carbon derived from elm bark mucus for efficient energy storage and conversion. <i>Materials Chemistry and Physics</i> , 2022 , 277, 125450	4.4	0
215	Zinc ion thermal charging cell for low-grade heat conversion and energy storage.. <i>Nature Communications</i> , 2022 , 13, 132	17.4	4
214	Encapsulating silicon particles by graphitic carbon enables High-performance Lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 1562-1570	9.3	0
213	Investigations on niobium tungsten oxide thin films for optical modulation. <i>Journal of Materials Science</i> , 2022 , 57, 5361-5373	4.3	0
212	MnO ₂ /carbon nanotube free-standing electrode recycled from spent manganese-oxygen battery as high-performance supercapacitor material. <i>Journal of Materials Science</i> , 2022 , 57, 8818-8827	4.3	0
211	Dual stabilization in potassium Prussian blue and cathode/electrolyte interface enables advanced potassium-ion full-cells.. <i>Journal of Colloid and Interface Science</i> , 2022 , 623, 1-8	9.3	0
210	Phenyl-Modified Carbon Nitride Quantum Nanoflakes for Ultra-Highly Selective Sensing of Formic Acid: A Combined Experimental by QCM and Density Functional Theory Study. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 48595-48610	9.5	2
209	Facile Cross-Linked Robust Three-Dimensional Binder for High-Performance SiO Anodes in Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 49313-49321	9.5	3
208	Charge Storage Mechanism of an Anthraquinone-Derived Porous Covalent Organic Framework with Multiredox Sites as Anode Material for Lithium-Ion Battery. <i>ACS Applied Energy Materials</i> , 2021 , 4, 11377-11385	6.1	4
207	Lithium-Ion Batteries: Operando Magnetometry Probing the Charge Storage Mechanism of CoO Lithium-Ion Batteries (Adv. Mater. 12/2021). <i>Advanced Materials</i> , 2021 , 33, 2170093	24	3
206	Composite Electrolytes Based on Poly(Ethylene Oxide) and Lithium Borohydrides for All-Solid-State Lithium Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 5396-5404	8.3	13
205	Tailored Hierarchical Porous Carbon through Template Modification for Antifreezing Quasi-Solid-State Zinc Ion Hybrid Supercapacitors. <i>Advanced Energy and Sustainability Research</i> , 2021 , 2, 2000112	1.6	1
204	3D Printed Lithium-Metal Full Batteries Based on a High-Performance Three-Dimensional Anode Current Collector. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 24785-24794	9.5	13
203	Stabilization of a 4.7 V High-Voltage Nickel-Rich Layered Oxide Cathode for Lithium-Ion Batteries through Boron-Based Surface Residual Lithium-Tuned Interface Modification Engineering. <i>ChemElectroChem</i> , 2021 , 8, 2014-2021	4.3	2
202	Organosilicon-Based Functional Electrolytes for High-Performance Lithium Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2101057	21.8	7
201	A Thermally Chargeable Hybrid Supercapacitor with High Power Density for Directly Converting Heat to Electricity. <i>ACS Applied Energy Materials</i> , 2021 , 4, 6055-6061	6.1	4

200	Pencil Drawing Stable Interface for Reversible and Durable Aqueous Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2006495	15.6	55
199	Influence of applied voltage on optimal performance and durability of tungsten and vanadium oxide co-sputtered thin films for electrochromic applications. <i>Applied Surface Science</i> , 2021 , 536, 147873	6.7	6
198	Fabrication of the Oxygen Vacancy Amorphous MnO ₂ /Carbon Nanotube as Cathode for Advanced Aqueous Zinc-Ion Batteries. <i>Energy Technology</i> , 2021 , 9, 2000769	3.5	13
197	Nanoarchitected porous carbons derived from ZIFs toward highly sensitive and selective QCM sensor for hazardous aromatic vapors. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124248	12.8	12
196	Conductive Metal-Organic Framework for High Energy Sodium-Ion Hybrid Capacitors. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1568-1574	6.1	8
195	Operando Magnetometry Probing the Charge Storage Mechanism of CoO Lithium-Ion Batteries. <i>Advanced Materials</i> , 2021 , 33, e2006629	24	39
194	Deep Eutectic Solvent-Induced Polyacrylonitrile-Derived Hierarchical Porous Carbon for Zinc-Ion Hybrid Supercapacitors. <i>Batteries and Supercaps</i> , 2021 , 4, 680-686	5.6	3
193	Regulation of SEI Formation by Anion Receptors to Achieve Ultra-Stable Lithium-Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19232-19240	16.4	26
192	Regulation of SEI Formation by Anion Receptors to Achieve Ultra-Stable Lithium-Metal Batteries. <i>Angewandte Chemie</i> , 2021 , 133, 19381-19389	3.6	3
191	Electrospinning oxygen-vacant TiNb ₂₄ O ₆₂ nanowires simultaneously boosts electrons and ions transmission capacities toward superior lithium storage. <i>Electrochimica Acta</i> , 2021 , 388, 138656	6.7	3
190	Serosa-Mimetic Nanoarchitecture Membranes for Highly Efficient Osmotic Energy Generation. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16206-16216	16.4	14
189	Nb ₃ O ₇ F mesocrystals: orientation formation and application in lithium ion capacitors. <i>CrystEngComm</i> , 2021 , 23, 6012-6022	3.3	1
188	Polydopamine grafted cross-linked polyacrylamide as robust binder for SiO ₂ /C anode toward high-stability lithium-ion battery. <i>Journal of Materials Science</i> , 2021 , 56, 6337-6348	4.3	2
187	Stabilizing Li Plating by a Fluorinated Hybrid Protective Layer. <i>ACS Applied Energy Materials</i> , 2021 , 4, 14407-14414	6.1	1
186	In Situ Tuning Residual Lithium Compounds and Constructing TiO ₂ Coating for Surface Modification of a Nickel-Rich Cathode toward High-Energy Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 12423-12432	6.1	5
185	Atomic Layer Deposition of Single Atomic Cobalt as a Catalytic Interlayer for Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11206-11212	6.1	7
184	A General Approach to Shaped MOF-Containing Aerogels toward Practical Water Treatment Application. <i>Advanced Sustainable Systems</i> , 2020 , 4, 2000060	5.9	17
183	Influence of electrolyte ions on rechargeable supercapacitor for high value-added conversion of low-grade waste heat. <i>Journal of Power Sources</i> , 2020 , 465, 228263	8.9	9

182	Aerosol-assisted preparation of N-doped hierarchical porous carbon spheres cathodes toward high-stable lithium-ion capacitors. <i>Journal of Materials Science</i> , 2020 , 55, 13127-13140	4.3	2
181	Trends in sputter deposited tungsten oxide structures for electrochromic applications: A review. <i>Ceramics International</i> , 2020 , 46, 23295-23313	5.1	24
180	Progress on zinc ion hybrid supercapacitors: Insights and challenges. <i>Energy Storage Materials</i> , 2020 , 31, 252-266	19.4	62
179	Sodium-ion capacitors: Materials, Mechanism, and Challenges. <i>ChemSusChem</i> , 2020 , 13, 2522-2539	8.3	58
178	Bacterial cellulose-derived carbon nanofibers as both anode and cathode for hybrid sodium ion capacitor.. <i>RSC Advances</i> , 2020 , 10, 7780-7790	3.7	13
177	Hierarchical N-doped hollow carbon microspheres as advanced materials for high-performance lithium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3956-3966	13	27
176	3D Printed High-Loading Lithium-Sulfur Battery Toward Wearable Energy Storage. <i>Advanced Functional Materials</i> , 2020 , 30, 1909469	15.6	47
175	Flexible and anti-freezing quasi-solid-state zinc ion hybrid supercapacitors based on pencil shavings derived porous carbon. <i>Energy Storage Materials</i> , 2020 , 28, 307-314	19.4	122
174	Defect-rich and N-doped hard carbon as a sustainable anode for high-energy lithium-ion capacitors. <i>Journal of Colloid and Interface Science</i> , 2020 , 567, 75-83	9.3	33
173	Efficient Synthesis of N-Doped SiO _x /C Composite Based on the Defect-Enriched Graphite Flake for Lithium-Ion Battery. <i>ACS Applied Energy Materials</i> , 2020 , 3, 4394-4402	6.1	18
172	Biomass-derived porous carbon electrodes for high-performance supercapacitors. <i>Journal of Materials Science</i> , 2020 , 55, 5166-5176	4.3	30
171	Self-supported TiN nanorod array/carbon textile as a lithium host that induces dendrite-free lithium plating with high rates and long cycle life. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3293-3299	13	3
170	Nanohollow Carbon for Rechargeable Batteries: Ongoing Progresses and Challenges. <i>Nano-Micro Letters</i> , 2020 , 12, 183	19.5	26
169	Encapsulating Oxygen-Deficient TiNb ₂ O ₆ Microspheres by N-Doped Carbon Nanolayer Boosts Capacity and Stability of Lithium-Ion Battery. <i>Batteries and Supercaps</i> , 2020 , 3, 1360-1369	5.6	4
168	Emerging Potassium-ion Hybrid Capacitors. <i>ChemSusChem</i> , 2020 , 13, 5837-5862	8.3	29
167	Rational Design of a Piezoelectric BaTiO ₃ Nanodot Surface-Modified LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ Cathode Material for High-Rate Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2020 , 7, 3646-3652	4.3	8
166	Niobium Tungsten Oxide in a Green Water-in-Salt Electrolyte Enables Ultra-Stable Aqueous Lithium-Ion Capacitors. <i>Nano-Micro Letters</i> , 2020 , 12, 168	19.5	19
165	RbF as a Dendrite-Inhibiting Additive in Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20804-20811	9.5	30

164	Catalytic Growth of Graphitic Carbon-Coated Silicon as High-Performance Anodes for Lithium Storage. <i>Energy Technology</i> , 2019 , 7, 1900502	3.5	4
163	Confined Pyrolysis of ZIF-8 Polyhedrons Wrapped with Graphene Oxide Nanosheets to Prepare 3D Porous Carbon Heterostructures. <i>Small Methods</i> , 2019 , 3, 1900277	12.8	21
162	Engineering Ultrathin MoS ₂ Nanosheets Anchored on N-Doped Carbon Microspheres with Pseudocapacitive Properties for High-Performance Lithium-Ion Capacitors. <i>Small Methods</i> , 2019 , 3, 1900081	12.8	64
161	Compressed and Crumpled Porous Carbon Electrode for High Volumetric Performance Electrical Double-Layer Capacitors. <i>Energy Technology</i> , 2019 , 7, 1900209	3.5	8
160	A Heavily Surface-Doped Polymer with the Bifunctional Catalytic Mechanism in Li-O Batteries. <i>IScience</i> , 2019 , 14, 312-322	6.1	7
159	A novel aqueous ammonium dual-ion battery based on organic polymers. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11314-11320	13	42
158	Metal-free energy storage systems: combining batteries with capacitors based on a methylene blue functionalized graphene cathode. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19668-19675	13	112
157	Alloying Reaction Confinement Enables High-Capacity and Stable Anodes for Lithium-Ion Batteries. <i>ACS Nano</i> , 2019 , 13, 9511-9519	16.7	32
156	Advanced Nanoporous Material-Based QCM Devices: A New Horizon of Interfacial Mass Sensing Technology. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900849	4.6	38
155	Solid/Solid Interfacial Architecturing of Solid Polymer Electrolyte-Based All-Solid-State Lithium-Sulfur Batteries by Atomic Layer Deposition. <i>Small</i> , 2019 , 15, e1903952	11	35
154	Rocking-chair Na-ion hybrid capacitor: a high energy/power system based on Na ₃ V ₂ O ₂ (PO ₄) ₂ F@PEDOT core-shell nanorods. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1030-1037	13	38
153	Successive Cationic and Anionic (De)-Intercalation/ Incorporation into an Ion-Doped Radical Conducting Polymer. <i>Batteries and Supercaps</i> , 2019 , 2, 979-984	5.6	1
152	Two Conjugated Covalent Organic Frameworks with Long-Term Cyclability at High Current Density for Lithium Ion Battery. <i>Chemistry - A European Journal</i> , 2019 , 25, 15472-15476	4.8	16
151	Nano-sized Titanium Nitride Functionalized Separator Improves Cycling Performance of Lithium Sulfur Batteries. <i>ChemistrySelect</i> , 2019 , 4, 698-704	1.8	15
150	Rigid Polyimide Buffering Layer Enabling Silicon Nanoparticles Prolonged Cycling Life for Lithium Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 948-955	6.1	7
149	Titelbild: Confined Self-Assembly in Two-Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with In-Plane Orderly Arranged Mesopores and a Highly Graphitized Framework (Angew. Chem. 11/2018). <i>Angewandte Chemie</i> , 2018 , 130, 2777-2777	3.6	1
148	Novel Potassium-Ion Hybrid Capacitor Based on an Anode of KTiO Microscaffolds. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 15542-15547	9.5	155
147	Supercapacitors: Monodisperse Metallic NiCoSe ₂ Hollow Sub-Microspheres: Formation Process, Intrinsic Charge-Storage Mechanism, and Appealing Pseudocapacitance as Highly Conductive Electrode for Electrochemical Supercapacitors (Adv. Funct. Mater. 13/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870082	15.6	9

146	Significant Effect of Pore Sizes on Energy Storage in Nanoporous Carbon Supercapacitors. <i>Chemistry - A European Journal</i> , 2018 , 24, 6127-6132	4.8	51
145	Self-Template-Directed Metal-Organic Frameworks Network and the Derived Honeycomb-Like Carbon Flakes via Confinement Pyrolysis. <i>Small</i> , 2018 , 14, e1704461	11	31
144	Monodisperse Metallic NiCoSe ₂ Hollow Sub-Microspheres: Formation Process, Intrinsic Charge-Storage Mechanism, and Appealing Pseudocapacitance as Highly Conductive Electrode for Electrochemical Supercapacitors. <i>Advanced Functional Materials</i> , 2018 , 28, 1705921	15.6	169
143	Confined Self-Assembly in Two-Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with In-Plane Orderly Arranged Mesopores and a Highly Graphitized Framework. <i>Angewandte Chemie</i> , 2018 , 130, 2944-2948	3.6	15
142	Confined Self-Assembly in Two-Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with In-Plane Orderly Arranged Mesopores and a Highly Graphitized Framework. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2894-2898	16.4	188
141	Nasicon-Type Surface Functional Modification in Core-Shell LiNiMnCoO@NaTi(PO) ₄ Cathode Enhances Its High-Voltage Cycling Stability and Rate Capacity toward Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5498-5510	9.5	115
140	High-Voltage Li ₂ SiO ₃ /LiNi _{0.5} Mn _{1.5} O ₄ Hollow Spheres Prepared through In Situ Aerosol Spray Pyrolysis towards High-Energy Li-Ion Batteries. <i>ChemElectroChem</i> , 2018 , 5, 1212-1218	4.3	17
139	A functional interlayer as a polysulfides blocking layer for high-performance lithium-sulfur batteries. <i>New Journal of Chemistry</i> , 2018 , 42, 1431-1436	3.6	28
138	Hierarchically Porous Multilayered Carbon Barriers for High-Performance Li-S Batteries. <i>Chemistry - A European Journal</i> , 2018 , 24, 3768-3775	4.8	36
137	High Performance Aqueous Sodium-Ion Capacitors Enabled by Pseudocapacitance of Layered MnO ₂ . <i>Energy Technology</i> , 2018 , 6, 2146-2153	3.5	22
136	Flexible Sodium Ion Batteries: From Materials to Devices 2018 , 97-125		
135	Highly Graphitized Carbon Coating on SiO ₂ with a π-Stacking Precursor Polymer for High Performance Lithium-Ion Batteries. <i>Polymers</i> , 2018 , 10,	4.5	11
134	Nitrogenated Urchin-like Nb ₂ O ₅ Microspheres with Extraordinary Pseudocapacitive Properties for Lithium-Ion Capacitors. <i>ChemElectroChem</i> , 2018 , 5, 1516-1524	4.3	30
133	Progress of Nanostructured Electrode Materials for Supercapacitors. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1700110	5.9	55
132	Aerosol-Spray Pyrolysis toward Preparation of Nanostructured Materials for Batteries and Supercapacitors. <i>Small Methods</i> , 2018 , 2, 1700272	12.8	35
131	Applications of Conventional Vibrational Spectroscopic Methods for Batteries Beyond Li-Ion. <i>Small Methods</i> , 2018 , 2, 1700332	12.8	27
130	Superlithiated Polydopamine Derivative for High-Capacity and High-Rate Anode for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38101-38108	9.5	40
129	Enhanced Cycle Performance of Polyimide Cathode Using a Quasi-Solid-State Electrolyte. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 22294-22300	3.8	22

128	Insights on the Proton Insertion Mechanism in the Electrode of Hexagonal Tungsten Oxide Hydrate. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11556-11559	16.4	62
127	Graphene Caging Silicon Particles for High-Performance Lithium-Ion Batteries. <i>Small</i> , 2018 , 14, e1800635	11	104
126	High-Voltage LiNi _{0.45} Cr _{0.1} Mn _{1.45} O ₄ Cathode with Superlong Cycle Performance for Wide Temperature Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1704808	15.6	66
125	Uniform Hollow Mesoporous Nickel Cobalt Sulfide Microdumbbells: A Competitive Electrode with Exceptional Gravimetric/Volumetric Pseudocapacitance for High-Energy-Density Hybrid Supercapacitors. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600322	6.4	31
124	Fabrication of flexible nanoporous nitrogen-doped graphene film for high-performance supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 1653-1663	2.6	19
123	Self-supported electrodes of Na ₂ Ti ₃ O ₇ nanoribbon array/graphene foam and graphene foam for quasi-solid-state Na-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5806-5812	13	42
122	Black TiO ₂ Nanomaterials for Lithium-Ion Batteries 2017 , 249-273		1
121	Raspberry-like Nanostructured Silicon Composite Anode for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18766-18773	9.5	56
120	Prussian Blue Analogue with Fast Kinetics Through Electronic Coupling for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 20306-20312	9.5	75
119	Hierarchical porous carbons with layer-by-layer motif architectures from confined soft-template self-assembly in layered materials. <i>Nature Communications</i> , 2017 , 8, 15717	17.4	231
118	An All-Stretchable-Component Sodium-Ion Full Battery. <i>Advanced Materials</i> , 2017 , 29, 1700898	24	114
117	MoS ₂ -Nanosheet-Decorated 2D Titanium Carbide (MXene) as High-Performance Anodes for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 1560-1565	4.3	92
116	Highly Conductive and Lightweight Composite Film as Polysulfide Reservoir for High-Performance Lithium Sulfur Batteries. <i>ChemElectroChem</i> , 2017 , 4, 362-368	4.3	25
115	Biomass derived carbon for energy storage devices. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2411-2428	13	474
114	Nitrogen-Doped Porous Carbon Nanospheres from Natural Sepia Ink: Easy Preparation and Extraordinary Capacitive Performance. <i>ChemNanoMat</i> , 2017 , 3, 895-901	3.5	13
113	Highly stable lithium ion capacitor enabled by hierarchical polyimide derived carbon microspheres combined with 3D current collectors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23283-23291	13	66
112	Few-Layer MXenes Delaminated via High-Energy Mechanical Milling for Enhanced Sodium-Ion Batteries Performance. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39610-39617	9.5	90
111	Bifunctional Redox Mediator Supported by an Anionic Surfactant for Long-Cycle LiO ₂ Batteries. <i>ACS Energy Letters</i> , 2017 , 2, 2659-2666	20.1	33

110	Improved flexible Li-ion hybrid capacitors: Techniques for superior stability. <i>Nano Research</i> , 2017 , 10, 4448-4456	10	20
109	Ad hoc solid electrolyte on acidized carbon nanotube paper improves cycle life of lithium sulfur batteries. <i>Energy and Environmental Science</i> , 2017 , 10, 2544-2551	35.4	64
108	A thin multifunctional coating on a separator improves the cyclability and safety of lithium sulfur batteries. <i>Chemical Science</i> , 2017 , 8, 6619-6625	9.4	74
107	Pseudocapacitive materials for electrochemical capacitors: from rational synthesis to capacitance optimization. <i>National Science Review</i> , 2017 , 4, 71-90	10.8	138
106	Hierarchical NiCo ₂ O ₄ nanosheets/nitrogen doped graphene/carbon nanotube film with ultrahigh capacitance and long cycle stability as a flexible binder-free electrode for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 689-698	13	109
105	Interface miscibility induced double-capillary carbon nanofibers for flexible electric double layer capacitors. <i>Nano Energy</i> , 2016 , 28, 232-240	17.1	54
104	Effect of Graphene Modified Cu Current Collector on the Performance of LiTiO Anode for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30926-30932	9.5	65
103	Analogous graphite carbon sheets derived from corn stalks as high performance sodium-ion battery anodes. <i>RSC Advances</i> , 2016 , 6, 106218-106224	3.7	23
102	Self-sacrifice Template Formation of Hollow Hetero-Ni ₇ S ₆ /Co ₃ S ₄ Nanoboxes with Intriguing Pseudo-capitance for High-performance Electrochemical Capacitors. <i>Scientific Reports</i> , 2016 , 6, 20973	4.9	82
101	Flexible Sodium-Ion Pseudocapacitors Based on 3D Na ₂ Ti ₃ O ₇ Nanosheet Arrays/Carbon Textiles Anodes. <i>Advanced Functional Materials</i> , 2016 , 26, 3703-3710	15.6	224
100	Facile Synthesis of Nitrogen-Containing Mesoporous Carbon for High-Performance Energy Storage Applications. <i>Chemistry - A European Journal</i> , 2016 , 22, 4256-62	4.8	16
99	Zinc cobalt sulfide nanosheets grown on nitrogen-doped graphene/carbon nanotube film as a high-performance electrode for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11256-11263	13	103
98	An advanced high-energy sodium ion full battery based on nanostructured Na ₂ Ti ₃ O ₇ /VOPO ₄ layered materials. <i>Energy and Environmental Science</i> , 2016 , 9, 3399-3405	35.4	196
97	Hollow NiCo ₂ S ₄ nanotube arrays grown on carbon textile as a self-supported electrode for asymmetric supercapacitors. <i>RSC Advances</i> , 2016 , 6, 9950-9957	3.7	42
96	Synthesis and electrochemical performances of mixed-valence vanadium oxide/ordered mesoporous carbon composites for supercapacitors. <i>RSC Advances</i> , 2016 , 6, 25056-25061	3.7	13
95	Nb ₂ O ₅ nanoparticles encapsulated in ordered mesoporous carbon matrix as advanced anode materials for Li ion capacitors. <i>RSC Advances</i> , 2016 , 6, 71338-71344	3.7	30
94	Porous Silicon@Polythiophene Core-Shell Nanospheres for Lithium-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 75-81	3.1	11
93	Self-Sacrificial Template-Directed Synthesis of Metal-Organic Framework-Derived Porous Carbon for Energy-Storage Devices. <i>ChemElectroChem</i> , 2016 , 3, 668-674	4.3	42

92	Anion-Exchange Formation of Hollow NiCo S Nanoboxes from Mesocrystalline Nickel Cobalt Carbonate Nanocubes towards Enhanced Pseudocapacitive Properties. <i>ChemPlusChem</i> , 2016 , 81, 557-563	2.8	68
91	PAA/PEDOT:PSS as a multifunctional, water-soluble binder to improve the capacity and stability of lithium-sulfur batteries. <i>RSC Advances</i> , 2016 , 6, 40650-40655	3.7	62
90	Li ₃ V ₂ (PO ₄) ₃ /nitrogen-doped reduced graphene oxide nanocomposite with enhanced lithium storage properties. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 1983-1990	2.6	4
89	An in situ confinement strategy to porous poly(3,4-ethylenedioxythiophene)/sulfur composites for lithium-sulfur batteries. <i>RSC Advances</i> , 2016 , 6, 47858-47863	3.7	8
88	Heteroatom-Doped Porous Carbon Nanosheets: General Preparation and Enhanced Capacitive Properties. <i>Chemistry - A European Journal</i> , 2016 , 22, 16668-16674	4.8	14
87	Achieving High-Energy-High-Power Density in a Flexible Quasi-Solid-State Sodium Ion Capacitor. <i>Nano Letters</i> , 2016 , 16, 5938-43	11.5	148
86	Three-dimensional graphene nanosheets/carbon nanotube paper as flexible electrodes for electrochemical capacitors. <i>RSC Advances</i> , 2015 , 5, 22173-22177	3.7	7
85	In Situ Self-Sacrificed Template Synthesis of Fe-N/G Catalysts for Enhanced Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18170-8	9.5	46
84	Three-dimensionally ordered porous TiNb ₂ O ₇ nanotubes: a superior anode material for next generation hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16785-16790	13	83
83	Flexible metal-organic frameworks as superior cathodes for rechargeable sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16590-16597	13	79
82	Formation of nickel cobalt sulfide ball-in-ball hollow spheres with enhanced electrochemical pseudocapacitive properties. <i>Nature Communications</i> , 2015 , 6, 6694	17.4	941
81	Stabilized titanium nitride nanowire supported silicon core-shell nanorods as high capacity lithium-ion anodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12476-12481	13	16
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