

Bei Long

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292
papers

28,474
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307
ext. papers

32,514
ext. citations

11.1
avg, IF

7.64
L-index

#	Paper	IF	Citations
292	Flexible solid-state supercapacitors: design, fabrication and applications. <i>Energy and Environmental Science</i> , 2014 , 7, 2160	35.4	985
291	Flexible energy-storage devices: design consideration and recent progress. <i>Advanced Materials</i> , 2014 , 26, 4763-82	24	979
290	WO ₃ @Au@MnO ₂ core-shell nanowires on carbon fabric for high-performance flexible supercapacitors. <i>Advanced Materials</i> , 2012 , 24, 938-44	24	592
289	Polyaniline and polypyrrole pseudocapacitor electrodes with excellent cycling stability. <i>Nano Letters</i> , 2014 , 14, 2522-7	11.5	589
288	Stabilized TiN nanowire arrays for high-performance and flexible supercapacitors. <i>Nano Letters</i> , 2012 , 12, 5376-81	11.5	563
287	Solid-state supercapacitor based on activated carbon cloths exhibits excellent rate capability. <i>Advanced Materials</i> , 2014 , 26, 2676-82, 2615	24	555
286	FeOOH/Co/FeOOH Hybrid Nanotube Arrays as High-Performance Electrocatalysts for the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3694-8	16.4	497
285	Design and Synthesis of FeOOH/CeO ₂ Heterolayered Nanotube Electrocatalysts for the Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2016 , 28, 4698-703	24	480
284	Achieving Ultrahigh Energy Density and Long Durability in a Flexible Rechargeable Quasi-Solid-State Zn-MnO Battery. <i>Advanced Materials</i> , 2017 , 29, 1700274	24	450
283	Facile synthesis of large-area manganese oxide nanorod arrays as a high-performance electrochemical supercapacitor. <i>Energy and Environmental Science</i> , 2011 , 4, 2915	35.4	434
282	A review of carbon materials and their composites with alloy metals for sodium ion battery anodes. <i>Carbon</i> , 2016 , 98, 162-178	10.4	432
281	Dendrite-Free Zinc Deposition Induced by Multifunctional CNT Frameworks for Stable Flexible Zn-Ion Batteries. <i>Advanced Materials</i> , 2019 , 31, e1903675	24	419
280	Hierarchical NiCo ₂ O ₄ nanosheets@hollow microrod arrays for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4706-4713	13	415
279	Efficient Hydrogen Evolution on Cu Nanodots-Decorated NiS Nanotubes by Optimizing Atomic Hydrogen Adsorption and Desorption. <i>Journal of the American Chemical Society</i> , 2018 , 140, 610-617	16.4	410
278	Co ₃ O ₄ /Ni(OH) ₂ composite mesoporous nanosheet networks as a promising electrode for supercapacitor applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5656		407
277	WO ₃ /MoO ₃ Core/Shell Nanowires on Carbon Fabric as an Anode for All-Solid-State Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2012 , 2, 1328-1332	21.8	373
276	Advanced Ti-Doped Fe ₂ O ₃ @PEDOT Core/Shell Anode for High-Energy Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2015 , 5, 1402176	21.8	367

275	Activating CoOOH Porous Nanosheet Arrays by Partial Iron Substitution for Efficient Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2672-2676	16.4	355
274	Nitrogen-Doped Co O Mesoporous Nanowire Arrays as an Additive-Free Air-Cathode for Flexible Solid-State Zinc-Air Batteries. <i>Advanced Materials</i> , 2017 , 29, 1602868	24	353
273	Pt-like Hydrogen Evolution Electrocatalysis on PANI/CoP Hybrid Nanowires by Weakening the Shackles of Hydrogen Ions on the Surfaces of Catalysts. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5118-5126	16.4	339
272	A Novel Exfoliation Strategy to Significantly Boost the Energy Storage Capability of Commercial Carbon Cloth. <i>Advanced Materials</i> , 2015 , 27, 3572-8	24	332
271	Recent advances in metal nitrides as high-performance electrode materials for energy storage devices. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1364-1387	13	331
270	Fe ₂ O ₃ @PANI Core-Shell Nanowire Arrays as Negative Electrodes for Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 14843-50	9.5	303
269	Oxygen vacancy induced bismuth oxyiodide with remarkably increased visible-light absorption and superior photocatalytic performance. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22920-7	9.5	294
268	Porous Microrod Arrays Constructed by Carbon-Confined NiCo@NiCoO Core@Shell Nanoparticles as Efficient Electrocatalysts for Oxygen Evolution. <i>Advanced Materials</i> , 2018 , 30, e1705442	24	278
267	Flexible Zn-Ion Batteries: Recent Progresses and Challenges. <i>Small</i> , 2019 , 15, e1804760	11	277
266	Iron-Based Supercapacitor Electrodes: Advances and Challenges. <i>Advanced Energy Materials</i> , 2016 , 6, 1601053	21.8	270
265	Sponge-Like Piezoelectric Polymer Films for Scalable and Integratable Nanogenerators and Self-Powered Electronic Systems. <i>Advanced Energy Materials</i> , 2014 , 4, 1301624	21.8	270
264	Efficient Hydrogen Evolution Electrocatalysis Using Cobalt Nanotubes Decorated with Titanium Dioxide Nanodots. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2960-2964	16.4	251
263	Single-crystal ZnO nanorod/amorphous and nanoporous metal oxide shell composites: Controllable electrochemical synthesis and enhanced supercapacitor performances. <i>Energy and Environmental Science</i> , 2011 , 4, 1288	35.4	251
262	Co(OH) ₂ @PANI Hybrid Nanosheets with 3D Networks as High-Performance Electrocatalysts for Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2015 , 27, 7051-7	24	250
261	Scalable self-growth of Ni@NiO core-shell electrode with ultrahigh capacitance and super-long cyclic stability for supercapacitors. <i>NPG Asia Materials</i> , 2014 , 6, e129-e129	10.3	248
260	Updates on the development of nanostructured transition metal nitrides for electrochemical energy storage and water splitting. <i>Materials Today</i> , 2017 , 20, 425-451	21.8	242
259	Boosting the Energy Density of Carbon-Based Aqueous Supercapacitors by Optimizing the Surface Charge. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5454-5459	16.4	234
258	An Ultrastable and High-Performance Flexible Fiber-Shaped Ni-Zn Battery based on a Ni-NiO Heterostructured Nanosheet Cathode. <i>Advanced Materials</i> , 2017 , 29, 1702698	24	231

257	Multiscale Pore Network Boosts Capacitance of Carbon Electrodes for Ultrafast Charging. <i>Nano Letters</i> , 2017 , 17, 3097-3104	11.5	206
256	Dual-Doped Molybdenum Trioxide Nanowires: A Bifunctional Anode for Fiber-Shaped Asymmetric Supercapacitors and Microbial Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6762-6	16.4	203
255	Bifunctional catalytic material: An ultrastable and high-performance surface defect CeO ₂ nanosheets for formaldehyde thermal oxidation and photocatalytic oxidation. <i>Applied Catalysis B: Environmental</i> , 2016 , 181, 779-787	21.8	196
254	High-performance flexible quasi-solid-state Zn/MnO ₂ battery based on MnO ₂ nanorod arrays coated 3D porous nitrogen-doped carbon cloth. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14838-14846	13	196
253	Electrochemical Synthesis of Polyaniline Nanobelts with Predominant Electrochemical Performances. <i>Macromolecules</i> , 2010 , 43, 2178-2183	5.5	194
252	Controllable synthesis of porous nickel-cobalt oxide nanosheets for supercapacitors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13357		188
251	Boosting Zn-Ion Energy Storage Capability of Hierarchically Porous Carbon by Promoting Chemical Adsorption. <i>Advanced Materials</i> , 2019 , 31, e1904948	24	181
250	Flexible Ultrafast Aqueous Rechargeable Ni//Bi Battery Based on Highly Durable Single-Crystalline Bismuth Nanostructured Anode. <i>Advanced Materials</i> , 2016 , 28, 9188-9195	24	178
249	Silica-Polypyrrole Hybrids as High-Performance Metal-Free Electrocatalysts for the Hydrogen Evolution Reaction in Neutral Media. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8120-8124	16.4	175
248	Asymmetric Paper Supercapacitor Based on Amorphous Porous Mn ₃ O ₄ Negative Electrode and Ni(OH) ₂ Positive Electrode: A Novel and High-Performance Flexible Electrochemical Energy Storage Device. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11444-51	9.5	170
247	ZnO@MoO ₃ core/shell nanocables: facile electrochemical synthesis and enhanced supercapacitor performances. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4217		169
246	Three-dimensional nickel nitride (Ni ₃ N) nanosheets: free standing and flexible electrodes for lithium ion batteries and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9844-9849	13	169
245	Valence-Optimized Vanadium Oxide Supercapacitor Electrodes Exhibit Ultrahigh Capacitance and Super-Long Cyclic Durability of 100 000 Cycles. <i>Advanced Functional Materials</i> , 2015 , 25, 3534-3540	15.6	166
244	Morphology and Doping Engineering of Sn-Doped Hematite Nanowire Photoanodes. <i>Nano Letters</i> , 2017 , 17, 2490-2495	11.5	163
243	High power density nitridated hematite (Fe ₂ O ₃) nanorods as anode for high-performance flexible lithium ion batteries. <i>Journal of Power Sources</i> , 2016 , 308, 7-17	8.9	163
242	Achieving high gravimetric energy density for flexible lithium-ion batteries facilitated by core-double-shell electrodes. <i>Energy and Environmental Science</i> , 2018 , 11, 1859-1869	35.4	160
241	A monolithic metal-free electrocatalyst for oxygen evolution reaction and overall water splitting. <i>Energy and Environmental Science</i> , 2016 , 9, 3411-3416	35.4	158
240	Holey tungsten oxynitride nanowires: novel anodes efficiently integrate microbial chemical energy conversion and electrochemical energy storage. <i>Advanced Materials</i> , 2015 , 27, 3085-91	24	156

239	Binder-free Fe ₂ N nanoparticles on carbon textile with high power density as novel anode for high-performance flexible lithium ion batteries. <i>Nano Energy</i> , 2015 , 11, 348-355	17.1	156
238	Nitrogen treatment generates tunable nano-hybridization of Ni ₅ P ₄ nanosheets with nickel hydr(oxy)oxides for efficient hydrogen production in alkaline, seawater and acidic media. <i>Applied Catalysis B: Environmental</i> , 2019 , 251, 181-194	21.8	155
237	A novel highly luminescent LnMOF film: a convenient sensor for Hg ²⁺ detecting. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11312	13	155
236	All-flexible lithium ion battery based on thermally-etched porous carbon cloth anode and cathode. <i>Nano Energy</i> , 2016 , 26, 446-455	17.1	147
235	A Facile Activation Strategy for an MOF-Derived Metal-Free Oxygen Reduction Reaction Catalyst: Direct Access to Optimized Pore Structure and Nitrogen Species. <i>ACS Catalysis</i> , 2017 , 7, 6082-6088	13.1	141
234	Heterojunction Architecture of N-Doped WO ₃ Nanobundles with Ce ₂ S ₃ Nanodots Hybridized on a Carbon Textile Enables a Highly Efficient Flexible Photocatalyst. <i>Advanced Functional Materials</i> , 2019 , 29, 1903490	15.6	140
233	Building Three-Dimensional Graphene Frameworks for Energy Storage and Catalysis. <i>Advanced Functional Materials</i> , 2015 , 25, 324-330	15.6	140
232	A review of the development of full cell lithium-ion batteries: The impact of nanostructured anode materials. <i>Nano Research</i> , 2016 , 9, 2823-2851	10	140
231	Cost-Effective Alkaline Water Electrolysis Based on Nitrogen- and Phosphorus-Doped Self-Supportive Electrocatalysts. <i>Advanced Materials</i> , 2017 , 29, 1702095	24	139
230	Polyaniline nanotube arrays as high-performance flexible electrodes for electrochemical energy storage devices. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2401		138
229	Water surface assisted synthesis of large-scale carbon nanotube film for high-performance and stretchable supercapacitors. <i>Advanced Materials</i> , 2014 , 26, 4724-9	24	134
228	Engineering Thin MoS ₂ Nanosheets on TiN Nanorods: Advanced Electrochemical Capacitor Electrode and Hydrogen Evolution Electrocatalyst. <i>ACS Energy Letters</i> , 2017 , 2, 1862-1868	20.1	134
227	Cerium-based hybrid nanorods for synergetic photo-thermocatalytic degradation of organic pollutants. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24740-24747	13	133
226	Quantitative Detection of Photothermal and Photoelectrocatalytic Effects Induced by SPR from Au@Pt Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11462-6	16.4	126
225	Three dimensional architectures: design, assembly and application in electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15792-15823	13	125
224	Enhancing the Capacitive Storage Performance of Carbon Fiber Textile by Surface and Structural Modulation for Advanced Flexible Asymmetric Supercapacitors. <i>Advanced Functional Materials</i> , 2019 , 29, 1806329	15.6	125
223	Facile synthesis of titanium nitride nanowires on carbon fabric for flexible and high-rate lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10825-10829	13	124
222	Efficient Charges Separation Using Advanced BiOI-Based Hollow Spheres Decorated with Palladium and Manganese Dioxide Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 2751-2757	8.3	123

221	Ni ₂ P@CoP hybrid nanosheet arrays supported on carbon cloth as an efficient flexible cathode for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16992-16999	13	122
220	Recent Smart Methods for Achieving High-Energy Asymmetric Supercapacitors. <i>Small Methods</i> , 2018 , 2, 1700230	12.8	122
219	Carbon Quantum Dot Surface-Engineered VO ₂ Interwoven Nanowires: A Flexible Cathode Material for Lithium and Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9733-44	9.5	121
218	FeOOH/Co/FeOOH Hybrid Nanotube Arrays as High-Performance Electrocatalysts for the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2016 , 128, 3758-3762	3.6	117
217	Enhanced Catalytic Activity and Stability of Pt/CeO ₂ /PANI Hybrid Hollow Nanorod Arrays for Methanol Electro-oxidation. <i>ACS Catalysis</i> , 2016 , 6, 5198-5206	13.1	115
216	Ostwald Ripening Improves Rate Capability of High Mass Loading Manganese Oxide for Supercapacitors. <i>ACS Energy Letters</i> , 2017 , 2, 1752-1759	20.1	115
215	Solar driven hydrogen releasing from urea and human urine. <i>Energy and Environmental Science</i> , 2012 , 5, 8215	35.4	112
214	A Confinement Strategy for Stabilizing ZIF-Derived Bifunctional Catalysts as a Benchmark Cathode of Flexible All-Solid-State Zinc-Air Batteries. <i>Advanced Materials</i> , 2018 , 30, e1805268	24	111
213	Redox cycles promoting photocatalytic hydrogen evolution of CeO ₂ nanorods. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5569		107
212	Acid Treatment Enables Suppression of Electron-Hole Recombination in Hematite for Photoelectrochemical Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3403-7	16.4	107
211	In Situ Activation of 3D Porous Bi/Carbon Architectures: Toward High-Energy and Stable Nickel-Bismuth Batteries. <i>Advanced Materials</i> , 2018 , 30, e1707290	24	106
210	Titanium dioxide@titanium nitride nanowires on carbon cloth with remarkable rate capability for flexible lithium-ion batteries. <i>Journal of Power Sources</i> , 2014 , 272, 946-953	8.9	103
209	An Electrochemical Capacitor with Applicable Energy Density of 7.4 Wh/kg at Average Power Density of 3000 W/kg. <i>Nano Letters</i> , 2015 , 15, 3189-94	11.5	100
208	Co-based MOF-derived Co/CoN/Co ₂ P ternary composite embedded in N- and P-doped carbon as bifunctional nanocatalysts for efficient overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 11402-11410	6.7	98
207	Vanadium Nitride Nanowire Supported SnS ₂ Nanosheets with High Reversible Capacity as Anode Material for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23205-15	9.5	96
206	The roles of defect states in photoelectric and photocatalytic processes for Zn _x Cd _{1-x} S. <i>Energy and Environmental Science</i> , 2011 , 4, 466-470	35.4	96
205	Efficient Hydrogen Evolution Activity and Overall Water Splitting of Metallic CoN Nanowires through Tunable d-Orbitals with Ultrafast Incorporation of FeOOH. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5152-5158	9.5	94
204	Enhanced Efficiency of Electron-Hole Separation in Bi ₂ O ₂ CO ₃ for Photocatalysis via Acid Treatment. <i>ChemCatChem</i> , 2018 , 10, 1982-1987	5.2	93

203	Nickel@Nickel Oxide CoreShell Electrode with Significantly Boosted Reactivity for Ultrahigh-Energy and Stable Aqueous Ni/Zn Battery. <i>Advanced Functional Materials</i> , 2018 , 28, 1802157	15.6	92
202	Pt Nanorods Aggregates with Enhanced Electrocatalytic Activity toward Methanol Oxidation. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 19175-19181	3.8	91
201	Phase Boundary Derived Pseudocapacitance Enhanced Nickel-Based Composites for Electrochemical Energy Storage Devices. <i>Advanced Energy Materials</i> , 2018 , 8, 1701681	21.8	90
200	An electrochemical method to enhance the performance of metal oxides for photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2849-2855	13	88
199	Rational design of atomically dispersed nickel active sites in EMoC for the hydrogen evolution reaction at all pH values. <i>Chemical Communications</i> , 2018 , 54, 9901-9904	5.8	86
198	Oxygen Defect Modulated Titanium Niobium Oxide on Graphene Arrays: An Open-Door for High-Performance 1.4 V Symmetric Supercapacitor in Acidic Aqueous Electrolyte. <i>Advanced Functional Materials</i> , 2018 , 28, 1805618	15.6	86
197	Improving the photoelectrochemical and photocatalytic performance of CdO nanorods with CdS decoration. <i>CrystEngComm</i> , 2013 , 15, 4212	3.3	85
196	Synthesis, crystal structures and properties of six cubane-like transition metal complexes of di-2-pyridyl ketone in gem-diol form. <i>Dalton Transactions RSC</i> , 2002 , 1727-1734		85
195	Activated carbon fiber paper with exceptional capacitive performance as a robust electrode for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5828-5833	13	83
194	Porous CeO ₂ nanowires/nanowire arrays: electrochemical synthesis and application in water treatment. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7118		82
193	Designing Carbon Based Supercapacitors with High Energy Density: A Summary of Recent Progress. <i>Chemistry - A European Journal</i> , 2018 , 24, 7312-7329	4.8	81
192	Asymmetric supercapacitors with high energy density based on helical hierarchical porous Na MnO and MoO. <i>Chemical Science</i> , 2016 , 7, 510-517	9.4	80
191	Ceria and ceria-based nanostructured materials for photoenergy applications. <i>Nano Energy</i> , 2017 , 34, 313-337	17.1	79
190	Remarkable photoelectrochemical performance of carbon dots sensitized TiO ₂ under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16365-16368	13	79
189	Defect Engineering of Bismuth Oxide by IO Doping for Increasing Charge Transport in Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27859-27867	9.5	79
188	Sulphur-doped Co ₃ O ₄ nanowires as an advanced negative electrode for high-energy asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10779-10785	13	78
187	Enhanced photoactivity and stability of carbon and nitrogen co-treated ZnO nanorod arrays for photoelectrochemical water splitting. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14272		76
186	Controllable Electrochemical Synthesis of Hierarchical ZnO Nanostructures on FTO Glass. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 13574-13582	3.8	75

185	Enhancing the Photocatalytic Performance of BiOCl _x 11 _x by Introducing Surface Disorders and Bi Nanoparticles as Cocatalyst. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500249	4.6	74
184	Large-Scale Electric-Field Confined Silicon with Optimized Charge-Transfer Kinetics and Structural Stability for High-Rate Lithium-Ion Batteries. <i>ACS Nano</i> , 2020 , 14, 7066-7076	16.7	73
183	Monodisperse CeO ₂ /CdS heterostructured spheres: one-pot synthesis and enhanced photocatalytic hydrogen activity. <i>RSC Advances</i> , 2011 , 1, 1207	3.7	73
182	Fe ₃ O ₄ /reduced graphene oxide with enhanced electrochemical performance towards lithium storage. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7214-7220	13	70
181	Nitrogen and Phosphorus Codoped Vertical Graphene/Carbon Cloth as a Binder-Free Anode for Flexible Advanced Potassium Ion Full Batteries. <i>Small</i> , 2019 , 15, e1901285	11	69
180	Hydrogen production from solar driven glucose oxidation over Ni(OH) ₂ functionalized electroreduced-TiO ₂ nanowire arrays. <i>Green Chemistry</i> , 2013 , 15, 2434	10	68
179	Ni@NiO core-shell nanoparticle tube arrays with enhanced supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6432-6439	13	68
178	Emerging porous materials in confined spaces: from chromatographic applications to flow chemistry. <i>Chemical Society Reviews</i> , 2019 , 48, 2566-2595	58.5	67
177	Chemically Lithiated TiO ₂ Heterostructured Nanosheet Anode with Excellent Rate Capability and Long Cycle Life for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 25991-6003	9.5	67
176	Engineering of Mesoscale Pores in Balancing Mass Loading and Rate Capability of Hematite Films for Electrochemical Capacitors. <i>Advanced Energy Materials</i> , 2018 , 8, 1801784	21.8	67
175	Controllable synthesis of hierarchical ZnO nanodisks for highly photocatalytic activity. <i>CrystEngComm</i> , 2012 , 14, 1850	3.3	66
174	A review of negative electrode materials for electrochemical supercapacitors. <i>Science China Technological Sciences</i> , 2015 , 58, 1799-1808	3.5	65
173	Co(II) _{1-x} Co(0) _x /3Mn(III) _{2x} /3S Nanoparticles Supported on B/N-Codoped Mesoporous Nanocarbon as a Bifunctional Electrocatalyst of Oxygen Reduction/Evolution for High-Performance Zinc-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13348-59	9.5	65
172	A modified molecular framework derived highly efficient Mn-Co-carbon cathode for a flexible Zn-air battery. <i>Chemical Communications</i> , 2017 , 53, 11596-11599	5.8	64
171	Recent advances and challenges of stretchable supercapacitors based on carbon materials. <i>Science China Materials</i> , 2016 , 59, 475-494	7.1	64
170	3D CNTs Networks Enable MnO ₂ Cathodes with High Capacity and Superior Rate Capability for Flexible Rechargeable Zn/MnO ₂ Batteries. <i>Small Methods</i> , 2019 , 3, 1900525	12.8	64
169	Intermediates Adsorption Engineering of CO ₂ Electroreduction Reaction in Highly Selective Heterostructure Cu-Based Electrocatalysts for CO Production. <i>Advanced Energy Materials</i> , 2019 , 9, 1901396	21.8	63
168	Polypyrrole-encapsulated amorphous Bi ₂ S ₃ hollow sphere for long life sodium ion batteries and lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11370-11378	13	63

167	Dual-Doped Molybdenum Trioxide Nanowires: A Bifunctional Anode for Fiber-Shaped Asymmetric Supercapacitors and Microbial Fuel Cells. <i>Angewandte Chemie</i> , 2016 , 128, 6874-6878	3.6	63
166	Sulfurization of FeOOH nanorods on a carbon cloth and their conversion into Fe ₂ O ₃ /Fe ₃ O ₄ -S core-shell nanorods for lithium storage. <i>Chemical Communications</i> , 2015 , 51, 13016-9	5.8	62
165	Flexible symmetrical planar supercapacitors based on multi-layered MnO ₂ /Ni/graphite/paper electrodes with high-efficient electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2985-2992	13	62
164	Tunable Wavelength Enhanced Photoelectrochemical Cells from Surface Plasmon Resonance. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16204-16207	16.4	62
163	High-performance supercapacitors based on MnO ₂ tube-in-tube arrays. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16560-16566	13	61
162	Alkali-modified non-precious metal 3D-NiCo ₂ O ₄ nanosheets for efficient formaldehyde oxidation at low temperature. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3648-3654	13	61
161	Dual Doping Induced Interfacial Engineering of Fe ₂ N/Fe ₃ N Hybrids with Favorable d-Band towards Efficient Overall Water Splitting. <i>ChemCatChem</i> , 2019 , 11, 6051-6060	5.2	60
160	Oxygen Defects in Promoting the Electrochemical Performance of Metal Oxides for Supercapacitors: Recent Advances and Challenges. <i>Small Methods</i> , 2020 , 4, 1900823	12.8	59
159	Encapsulated Vanadium-Based Hybrids in Amorphous N-Doped Carbon Matrix as Anode Materials for Lithium-Ion Batteries. <i>Small</i> , 2017 , 13, 1702081	11	59
158	Binder-free WS ₂ nanosheets with enhanced crystallinity as a stable negative electrode for flexible asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21460-21466	13	58
157	CdS/CeO _x heterostructured nanowires for photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4190	13	55
156	Surface engineering of carbon fiber paper for efficient capacitive energy storage. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18639-18645	13	54
155	Vertically aligned In ₂ O ₃ nanorods on FTO substrates for photoelectrochemical applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14685		54
154	Enhanced BiVO ₄ Photoanode Photoelectrochemical Performance via Borate Treatment and a NiFeO _x Cocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 8306-8314	8.3	54
153	Facile electrochemical synthesis of CeO ₂ hierarchical nanorods and nanowires with excellent photocatalytic activities. <i>New Journal of Chemistry</i> , 2014 , 38, 2581-2586	3.6	53
152	A Flexible Microsupercapacitor with Integral Photocatalytic Fuel Cell for Self-Charging. <i>ACS Nano</i> , 2019 , 13, 8246-8255	16.7	52
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