

Wenjie Mai

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.

206
papers

13,758
citations

55
h-index

114
g-index

226
ext. papers

16,222
ext. citations

9.5
avg, IF

6.79
L-index

#	Paper	IF	Citations
206	Cs ₂ AgBiBr ₆ -based heterojunction photodetector for weak-light imaging application. <i>Surfaces and Interfaces</i> , 2022 , 29, 101705	4.1	1
205	Flexible Fiber-shaped Supercapacitors 2022 , 91-120		
204	Regulation of Ferric Iron Vacancy for Prussian Blue Analogue Cathode to Realize High-performance Potassium Ion Storage. <i>Nano Energy</i> , 2022 , 107243	17.1	3
203	Multicolor electrochromic device based on reversible metal electrodeposition of Bi-Cu with controlled morphology and composition ratio. <i>Chemical Engineering Journal</i> , 2022 , 438, 135469	14.7	2
202	Strain-Insensitive Self-Powered Tactile Sensor Arrays Based on Intrinsically Stretchable and Patternable Ultrathin Conformal Wrinkled Graphene-Elastomer Composite. <i>Advanced Functional Materials</i> , 2022 , 32, 2107281	15.6	7
201	Activating lattice oxygen in NiFe-based (oxy)hydroxide for water electrolysis.. <i>Nature Communications</i> , 2022 , 13, 2191	17.4	16
200	Crystal Surface Engineering Induced Active Hexagonal Co P-V O for Highly Stable Lithium-Sulfur Batteries.. <i>Small</i> , 2022 , e2200405	11	1
199	NiCoB based in-plane energy storage textile with enhanced mechanical performance. <i>Applied Physics Letters</i> , 2022 , 120, 223901	3.4	
198	Enhancing the photodetection performance of MAPbI perovskite photodetectors by a dual functional interfacial layer for color imaging. <i>Optics Letters</i> , 2021 , 46, 150-153	3	13
197	Coordination and interface engineering to boost catalytic property of two-dimensional ZIFs for wearable Zn-air batteries. <i>Journal of Energy Chemistry</i> , 2021 ,	12	7
196	Self-powered and broadband germanium/PEDOT:PSS heterojunction photodetectors for near-infrared biomedical imaging applications. <i>Science China Technological Sciences</i> , 2021 , 64, 2523	3.5	1
195	Interfacial Gradient-Energy-Band-Alignment Modulation via a Vapor-Phase Anion-Exchange Reaction toward Lead-Free Perovskite Photodetectors with Excellent UV Imaging Capability. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	3
194	Pt/Zn heterostructure as efficient air-electrocatalyst for long-life neutral Zn-air batteries. <i>Science China Materials</i> , 2021 , 64, 1868-1875	7.1	6
193	Ultra-Stable Potassium Ion Storage of Nitrogen-Doped Carbon Nanofiber Derived from Bacterial Cellulose. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
192	Improving rechargeability of Prussian blue cathode by graphene as conductive agent for sodium ion batteries. <i>Surfaces and Interfaces</i> , 2021 , 23, 100911	4.1	2
191	A decade of advanced rechargeable batteries development guided by in situ transmission electron microscopy. <i>Nano Energy</i> , 2021 , 83, 105780	17.1	9
190	Achieving 256 \times 256-Pixel Color Images by Perovskite-Based Photodetectors Coupled with Algorithms. <i>Advanced Functional Materials</i> , 2021 , 31, 2104320	15.6	8

189	Simultaneous Regulation on Solvation Shell and Electrode Interface for Dendrite-Free Zn Ion Batteries Achieved by a Low-Cost Glucose Additive. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 18247-18255	16.4	113
188	All-inorganic Cs ₂ AgBiBr ₆ /CuSCN-based photodetectors for weak light imaging. <i>Science China Materials</i> , 2021 , 64, 198-208	7.1	18
187	Insights on the mechanism of Na-ion storage in expanded graphite anode. <i>Journal of Energy Chemistry</i> , 2021 , 53, 56-62	12	16
186	Freestanding polypyrrole/carbon nanotube electrodes with high mass loading for robust flexible supercapacitors. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 1324-1329	7.8	11
185	Single-wired array light detector based on photoacoustic effect. <i>Optics and Lasers in Engineering</i> , 2021 , 139, 106460	4.6	1
184	Tunneling-assisted highly sensitive and stable lead-free Cs ₃ Bi ₂ I ₉ perovskite photodetectors for diffuse reflection imaging. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 1008-1013	7.1	7
183	TiO ₂ electron transport bilayer for all-inorganic perovskite photodetectors with remarkably improved UV stability toward imaging applications. <i>Journal of Materials Science and Technology</i> , 2021 , 75, 39-47	9.1	10
182	3D Porous Nb ₂ C MXene/reduced graphene oxide aerogel coupled with NiFe alloy nanoparticles for wearable Zn air batteries. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 7315-7322	7.8	2
181	High-performance flexible supercapacitors enabled by binder-free two-dimensional mesoporous ultrathin nickel-ferrite nanosheets. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 3436-3447	7.8	9
180	Atomic layer deposited Al ₂ O ₃ layer confinement: an efficient strategy to synthesize durable MOF-derived catalysts toward the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1432-1438	6.8	6
179	Understanding the improved performance of sulfur-doped interconnected carbon microspheres for Na-ion storage 2021 , 3, 615-626		8
178	Polycrystalline Few-Layer Graphene as a Durable Anticorrosion Film for Copper. <i>Nano Letters</i> , 2021 , 21, 1161-1168	11.5	16
177	Ultrahigh Relative Energy Density and Mass Loading of Carbon Cloth Anodes for K-Ion Batteries. <i>CCS Chemistry</i> , 2021 , 3, 791-799	7.2	23
176	Simultaneous Regulation on Solvation Shell and Electrode Interface for Dendrite-Free Zn Ion Batteries Achieved by a Low-Cost Glucose Additive. <i>Angewandte Chemie</i> , 2021 , 133, 18395-18403	3.6	14
175	Spectrum-shaped Si-perovskite hybrid photodetectors for hyperspectral bioimaging. <i>Photonics Research</i> , 2021 , 9, 1734	6	6
174	In Situ Monitoring the Potassium-Ion Storage Enhancement in Iron Selenide with Ether-Based Electrolyte. <i>Nano-Micro Letters</i> , 2021 , 13, 179	19.5	3
173	Semi-coherent cation-rich Mn-Cu oxides heterostructures as cathode for novel aqueous potassium dual-ion energy storage devices. <i>Journal of Colloid and Interface Science</i> , 2021 , 597, 75-83	9.3	2
172	Re-oxidation reconstruction process of solid electrolyte interphase layer derived from highly active anion for potassium-ion batteries. <i>Nano Energy</i> , 2021 , 87, 106150	17.1	9

171	Bismuth oxychloride anchoring on graphene nanosheets as anode with a high relative energy density for potassium ion battery. <i>Journal of Colloid and Interface Science</i> , 2021 , 599, 857-862	9.3	3
170	A simple-structured silicon photodetector possessing asymmetric Schottky junction for NIR imaging. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021 , 412, 127586	2.3	5
169	Manipulating Interfacial Stability Via Absorption-Competition Mechanism for Long-Lifespan Zn Anode.. <i>Nano-Micro Letters</i> , 2021 , 14, 31	19.5	3
168	Novel 3D Nanoporous Zn-Cu Alloy as Long-Life Anode toward High-Voltage Double Electrolyte Aqueous Zinc-Ion Batteries. <i>Small</i> , 2020 , 16, e2001323	11	56
167	High-performance flexible hybrid-supercapacitor enabled by pairing binder-free ultrathin NiCo ₂ O ₄ nanosheets and metal-organic framework derived N-doped carbon nanosheets. <i>Electrochimica Acta</i> , 2020 , 349, 136384	6.7	25
166	Insights to pseudocapacitive charge storage of binary metal-oxide nanobelts decorated activated carbon cloth for highly-flexible hybrid-supercapacitors. <i>Journal of Energy Storage</i> , 2020 , 31, 101602	7.8	11
165	Reducing the dark current of cuprous oxide/Au schottky photodetector for high signal-to-noise ratio imaging. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 224003	3	2
164	Recent progress of electrode materials cooperated with potassium bis(fluorosulfonyl)imide-containing electrolyte for K-ion batteries. <i>Materials Today Advances</i> , 2020 , 6, 100035	7.4	9
163	Controllable fabrication of Ni(OH) ₂ thin films with preheating treatment for long-term stable electrochromic and energy storage applications. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3010-3016	7.1	9
162	Importance of Bi-O Bonds at the CsAgBiBr Double-Perovskite/Substrate Interface for Crystal Quality and Photoelectric Performance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6064-6073	9.5	26
161	Construction of binder-free hierarchical mesoporous 3D CoMo ₂ O ₈ flowers assembled by nanosheets for aqueous symmetrical 1.2 V supercapacitor in basic electrolyte. <i>Electrochimica Acta</i> , 2020 , 330, 135201	6.7	3
160	Interfacial engineering to boost photoresponse performance and stability of V ₂ O ₅ /n-Si heterojunction photodetectors. <i>Journal of Alloys and Compounds</i> , 2020 , 819, 153063	5.7	6
159	K-Ion Storage Enhancement in Sb ₂ O ₃ /Reduced Graphene Oxide Using Ether-Based Electrolyte. <i>Advanced Energy Materials</i> , 2020 , 10, 1903455	21.8	59
158	In Situ Monitoring Small Energy Storage Change of Electrochromic Supercapacitors via Perovskite Photodetectors. <i>Small Methods</i> , 2020 , 4, 1900731	12.8	7
157	NiFe nanoparticles embedded N-doped carbon nanotubes as high-efficient electrocatalysts for wearable solid-state Zn-air batteries. <i>Nano Energy</i> , 2020 , 68, 104293	17.1	107
156	All-Inorganic Perovskite Photodetectors with Ultrabroad Linear Dynamic Range for Weak-Light Imaging Applications. <i>Advanced Optical Materials</i> , 2020 , 8, 2001436	8.1	19
155	Precise Phase Control of Large-Scale Inorganic Perovskites via Vapor-Phase Anion-Exchange Strategy. <i>Small</i> , 2020 , 16, e2005226	11	8
154	Unveiling the electrochromic mechanism of Prussian Blue by electronic transition analysis. <i>Nano Energy</i> , 2020 , 78, 105148	17.1	12

153	Achieving high-energy density and superior cyclic stability in flexible and lightweight pseudocapacitor through synergic effects of binder-free CoGa ₂ O ₄ 2D-hexagonal nanoplates. <i>Nano Energy</i> , 2020 , 77, 105276	17.1	54
152	Heteroatomic Interface Engineering of MOF-Derived Metal-Embedded P- and N-Codoped Zn Node Porous Polyhedral Carbon with Enhanced Sodium-Ion Storage. <i>ACS Applied Energy Materials</i> , 2020 , 3, 8892-8902	6.1	11
151	High Voltage Microsupercapacitors Fabricated and Assembled by Laser Carving. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45541-45548	9.5	5
150	Strongly Coupled NiCoO Nanocrystal/MXene Hybrid through In Situ Ni/Co-F Bonds for Efficient Wearable Zn-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 44639-44647	9.5	36
149	Mesoporous manganese-selenide microflowers with enhanced electrochemical performance as a flexible symmetric 1.8 V supercapacitor. <i>Chemical Engineering Journal</i> , 2020 , 382, 122814	14.7	50
148	Solution-Processed High-Quality Cu ₂ O Thin Films as Hole Transport Layers for Pushing the Conversion Efficiency Limit of Cu ₂ O/Si Heterojunction Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 1900339	7.1	20
147	Reducing current fluctuation of Cs ₃ Bi ₂ Br ₉ perovskite photodetectors for diffuse reflection imaging with wide dynamic range. <i>Science Bulletin</i> , 2020 , 65, 1371-1379	10.6	31
146	A Robust Solid Electrolyte Interphase Layer Augments the Ion Storage Capacity of Bimetallic-Sulfide-Containing Potassium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14740-14747	16.4	83
145	An ultra-high energy density flexible asymmetric supercapacitor based on hierarchical fabric decorated with 2D bimetallic oxide nanosheets and MOF-derived porous carbon polyhedra. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 946-957	13	148
144	Metal chelate induced in situ wrapping of Ni ₃ S ₂ nanoparticles into N, S-codoped carbon networks for highly efficient sodium storage. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 694-704	6.8	26
143	A Flexible Microsupercapacitor with Integral Photocatalytic Fuel Cell for Self-Charging. <i>ACS Nano</i> , 2019 , 13, 8246-8255	16.7	52
142	Theoretical calculation guided electrocatalysts design: Nitrogen saturated porous Mo ₂ C nanostructures for hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2019 , 257, 117891	21.8	33
141	Construction of highly dispersed mesoporous bimetallic-sulfide nanoparticles locked in N-doped graphitic carbon nanosheets for high energy density hybrid flexible pseudocapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 17435-17445	13	50
140	Significantly Enhanced Detectivity of CIGS Broadband High-Speed Photodetectors by Grain Size Control and ALD-AIO Interfacial-Layer Modification. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20157-20166	9.5	23
139	p-Type NiO modified BiVO ₄ photoanodes with enhanced charge separation and solar water oxidation kinetics. <i>Materials Letters</i> , 2019 , 249, 128-131	3.3	8
138	Synthesis of mesoporous defective graphene-nanosheets in a space-confined self-assembled nanoreactor: Highly efficient capacitive energy storage. <i>Electrochimica Acta</i> , 2019 , 305, 517-527	6.7	35
137	Carboxymethyl Cellulose Binder Greatly Stabilizes Porous Hollow Carbon Submicrospheres in Capacitive K-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15581-15590	9.5	44
136	Significantly Enhancing Response Speed of Self-Powered CuZnSn(S,Se) Thin Film Photodetectors by Atomic Layer Deposition of Simultaneous Electron Blocking and Electrode Protective AIO Layers. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 32097-32107	9.5	14

135	Enhancing photoelectrochemical water splitting by combining work function tuning and heterojunction engineering. <i>Nature Communications</i> , 2019 , 10, 3687	17.4	149
134	Atomic-Layer Deposition-Assisted Double-Side Interfacial Engineering for High-Performance Flexible and Stable CsPbBr Perovskite Photodetectors toward Visible Light Communication Applications. <i>Small</i> , 2019 , 15, e1902135	11	65
133	High-Performance Na-Ion Storage of S-Doped Porous Carbon Derived from Conjugated Microporous Polymers. <i>Nano-Micro Letters</i> , 2019 , 11, 60	19.5	30
132	High-concentration ether-based electrolyte boosts the electrochemical performance of SnS ₂ -reduced graphene oxide for K-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19332-19341	13	38
131	In-situ encapsulation of NiS ₂ nanoparticles into N-doped interconnected carbon networks for efficient lithium storage. <i>Chemical Engineering Journal</i> , 2019 , 378, 122108	14.7	73
130	A Robust Solid Electrolyte Interphase Layer Augments the Ion Storage Capacity of Bimetallic-Sulfide-Containing Potassium-Ion Batteries. <i>Angewandte Chemie</i> , 2019 , 131, 14882-14889	3.6	10
129	High performance MoO ₃ /Si heterojunction photodetectors with nanoporous pyramid Si arrays for visible light communication application. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 917-925	7.1	27
128	Valence-State Controllable Fabrication of CuO/Si Type-II Heterojunction for High-Performance Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43376-43382	9.5	13
127	Achieving high rate and high energy density in an all-solid-state flexible asymmetric pseudocapacitor through the synergistic design of binder-free 3D ZnCo ₂ O ₄ nano polyhedra and 2D layered Ti ₃ C ₂ T _x -MXenes. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 24543-24556	13	33
126	Interface charges redistribution enhanced monolithic etched copper foam-based Cu ₂ O layer/TiO ₂ nanodots heterojunction with high hydrogen evolution electrocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 365-372	21.8	43
125	Solar-powered overall water splitting system combining metal-organic frameworks derived bimetallic nano hybrids based electrocatalysts and one organic solar cell. <i>Nano Energy</i> , 2019 , 56, 82-91	17.1	42
124	Stretchable Ni@NiCoP textile for wearable energy storage clothes. <i>Nano Energy</i> , 2019 , 55, 506-515	17.1	56
123	A novel CoOOH/(Ti, C)-Fe ₂ O ₃ nanorod photoanode for photoelectrochemical water splitting. <i>Science China Materials</i> , 2018 , 61, 887-894	7.1	52
122	Design of pomegranate-like clusters with NiS ₂ nanoparticles anchored on nitrogen-doped porous carbon for improved sodium ion storage performance. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6595-6605	13	110
121	Rational design of MoS ₂ -reduced graphene oxide sponges as free-standing anodes for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2018 , 332, 260-266	14.7	111
120	Rational design of metal organic framework-derived FeS hollow nanocages@reduced graphene oxide for K-ion storage. <i>Nanoscale</i> , 2018 , 10, 17092-17098	7.7	97
119	High energy density hybrid supercapacitor based on 3D mesoporous cuboidal Mn ₂ O ₃ and MOF-derived porous carbon polyhedrons. <i>Electrochimica Acta</i> , 2018 , 282, 1-9	6.7	42
118	In situ plasmonic optical fiber detection of the state of charge of supercapacitors for renewable energy storage. <i>Light: Science and Applications</i> , 2018 , 7, 34	16.7	73

117	Visualized UV Photodetectors Based on Prussian Blue/TiO ₂ for Smart Irradiation Monitoring Application. <i>Advanced Materials Technologies</i> , 2018 , 3, 1700288	6.8	43
116	Reliable Information Encryption and Digital Display Applications Based on Multistate Smart Windows. <i>Advanced Optical Materials</i> , 2018 , 6, 1800338	8.1	13
115	Sulphur-doped reduced graphene oxide sponges as high-performance free-standing anodes for K-ion storage. <i>Nano Energy</i> , 2018 , 53, 415-424	17.1	129
114	Improving the Quality of the Si/Cu ₂ O Interface by Methyl-Group Passivation and Its Application in Photovoltaic Devices. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1600833	4.6	4
113	Carbon quantum dots as a visible light sensitizer to significantly increase the solar water splitting performance of bismuth vanadate photoanodes. <i>Energy and Environmental Science</i> , 2017 , 10, 772-779	35.4	241
112	Ceria and ceria-based nanostructured materials for photoenergy applications. <i>Nano Energy</i> , 2017 , 34, 313-337	17.1	79
111	Highly active and stable non noble metal catalyst for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 10423-10434	6.7	26
110	Rational design of a tripartite-layered TiO photoelectrode: a candidate for enhanced power conversion efficiency in dye sensitized solar cells. <i>Nanoscale</i> , 2017 , 9, 9913-9920	7.7	19
109	Phytoplankton derived and KOH activated mesoporous carbon materials for supercapacitors. <i>Materials Letters</i> , 2017 , 205, 98-101	3.3	12
108	Nitrogen doped amorphous carbon as metal free electrocatalyst for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 876-885	6.7	55
107	Anatase TiO ₂ single crystal hollow nanoparticles: their facile synthesis and high-performance in dye-sensitized solar cells. <i>CrystEngComm</i> , 2017 , 19, 325-334	3.3	19
106	Integration of Energy Harvesting and Electrochemical Storage Devices. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700182	6.8	63
105	In situ growth of a TiO ₂ layer on a flexible Ti substrate targeting the interface recombination issue of BiVO ₄ photoanodes for efficient solar water splitting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20195-20201	13.1	17
104	Electrochromic Asymmetric Supercapacitor Windows Enable Direct Determination of Energy Status by the Naked Eye. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 34085-34092	9.5	94
103	High-Performance Porous Molybdenum Oxynitride Based Fiber Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29699-29706	9.5	35
102	Facile synthesis of TiO ₂ /Mn ₃ O ₄ hierarchical structures for fiber-shaped flexible asymmetric supercapacitors with ultrahigh stability and tailorable performance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 814-821	13	30
101	Rational design of carbon shell endows TiN@C nanotube based fiber supercapacitors with significantly enhanced mechanical stability and electrochemical performance. <i>Nano Energy</i> , 2017 , 31, 432-440	17.1	95
100	Atomic Layer Deposition of Amorphous TiO ₂ on Carbon Nanotube Networks and Their Superior Li and Na Ion Storage Properties. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600375	4.6	63

99	The influence of nitrogen source and doping sequence on the electrocatalytic activity for oxygen reduction reaction of nitrogen doped carbon materials. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 13493-13503	6.7	29
98	Interface Engineering To Boost Photoresponse Performance of Self-Powered, Broad-Bandwidth PEDOT:PSS/Si Heterojunction Photodetector. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19158-67	9.5	53
97	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
96	Combining Bulk/Surface Engineering of Hematite To Synergistically Improve Its Photoelectrochemical Water Splitting Performance. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16071-7	9.5	53
95	Thickness-dependence of S-shaped J-V curves of planar heterojunction organic solar cells containing NTCDA interlayer: Impedance potential measurement and underlying mechanism. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 148, 39-43	6.4	2
94	Rational design of anatase TiO ₂ architecture with hierarchical nanotubes and hollow microspheres for high-performance dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2016 , 303, 57-64	8.9	42
93	Electrochromic energy storage devices. <i>Materials Today</i> , 2016 , 19, 394-402	21.8	293
92	Tailorable pseudocapacitors for energy storage clothes. <i>RSC Advances</i> , 2016 , 6, 67764-67770	3.7	3
91	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
90	SnS ₂ Urchins as Anode Material for Lithium-ion Battery. <i>Electrochemistry</i> , 2016 , 84, 420-426	1.2	8
89	WO ₃ nanoflowers with excellent pseudo-capacitive performance and the capacitance contribution analysis. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7266-7273	13	123
88	Insight into the nitrogen-doped carbon as oxygen reduction reaction catalyst: The choice of carbon/nitrogen source and active sites. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 8563-8575	6.7	34
87	Flexible electrochromic supercapacitor hybrid electrodes based on tungsten oxide films and silver nanowires. <i>Chemical Communications</i> , 2016 , 52, 6296-9	5.8	325
86	Flexible honeycomb-like NiMn layered double hydroxide/carbon cloth architecture for electrochemical energy storage. <i>Materials Letters</i> , 2016 , 175, 275-278	3.3	28
85	Energy Storage Performance Enhancement by Surface Engineering of Electrode Materials. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600430	4.6	15
84	Tailorable and Wearable Textile Devices for Solar Energy Harvesting and Simultaneous Storage. <i>ACS Nano</i> , 2016 , 10, 9201-9207	16.7	172
83	Ultrafast-Charging Supercapacitors Based on Corn-Like Titanium Nitride Nanostructures. <i>Advanced Science</i> , 2016 , 3, 1500299	13.6	132
82	Quantitative Analysis of Charge Storage Process of Tungsten Oxide that Combines Pseudocapacitive and Electrochromic Properties. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16483-16489	3.8	74

81	Freestanding CNT/WO ₃ hybrid electrodes for flexible asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12076-12080	13	87
80	Significantly enhanced robustness and electrochemical performance of flexible carbon nanotube-based supercapacitors by electrodepositing polypyrrole. <i>Journal of Power Sources</i> , 2015 , 287, 68-74	8.9	122
79	High-performance flexible dye-sensitized solar cells by using hierarchical anatase TiO ₂ nanowire arrays. <i>RSC Advances</i> , 2015 , 5, 88052-88058	3.7	19
78	BiO/BiVO ₄ photoanodes with significantly improved solar water splitting capability: p-n junction to expand solar adsorption range and facilitate charge carrier dynamics. <i>Nano Energy</i> , 2015 , 18, 222-231	17.1	157
77	Heterogeneous Nanostructures for Sodium Ion Batteries and Supercapacitors. <i>ChemNanoMat</i> , 2015 , 1, 458-476	3.5	25
76	Fabrication and integration of quasi-one-dimensional hierarchical TiO ₂ nanotubes for dye-sensitized solar cells. <i>CrystEngComm</i> , 2015 , 17, 8327-8331	3.3	9
75	Utilizing polyaniline to dominate the crystal phase of Ni(OH) ₂ and its effect on the electrochemical property of polyaniline/Ni(OH) ₂ composite. <i>Journal of Alloys and Compounds</i> , 2015 , 651, 126-134	5.7	31
74	Nickel oxide nanoflake-based bifunctional glass electrodes with superior cyclic stability for energy storage and electrochromic applications. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20614-20618	13	91
73	Facile conversion of rutile titanium dioxide nanowires to nanotubes for enhancing the performance of dye-sensitized solar cells. <i>CrystEngComm</i> , 2015 , 17, 1115-1120	3.3	10
72	Pre-stabilized reduced graphene oxide by ammonia as carrier for Ni(OH) ₂ with excellent electrochemical property. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 229-239	2.6	13
71	Easy one-step hydrothermal synthesis of nitrogen-doped reduced graphene oxide/iron oxide hybrid as efficient supercapacitor material. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 135-144	2.6	48
70	All Metal Nitrides Solid-State Asymmetric Supercapacitors. <i>Advanced Materials</i> , 2015 , 27, 4566-71	24	313
69	Ultrahigh-Performance Pseudocapacitor Electrodes Based on Transition Metal Phosphide Nanosheets Array via Phosphorization: A General and Effective Approach. <i>Advanced Functional Materials</i> , 2015 , 25, 7530-7538	15.6	287
68	Self-Powered, High-Speed and Visible-Near Infrared Response of MoO _{3-x} /n-Si Heterojunction Photodetector with Enhanced Performance by Interfacial Engineering. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 25981-90	9.5	51
67	Low-cost high-performance solid-state asymmetric supercapacitors based on MnO ₂ nanowires and Fe ₂ O ₃ nanotubes. <i>Nano Letters</i> , 2014 , 14, 731-6	11.5	916
66	Worm-like amorphous MnO ₂ nanowires grown on textiles for high-performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 595-599	13	106
65	Flexible solid-state electrochemical supercapacitors. <i>Nano Energy</i> , 2014 , 8, 274-290	17.1	610
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