Bei Long

List of Publications by Year in Descending Order

292 papers	28,474 citations	91 h-index	162 g-index
307 ext. papers	32,514 ext. citations	11.1 avg, IF	7.64 L-index

#	Paper	IF	Citations
292	Oxygen Vacancy-Based Metal Oxides Photoanodes in Photoelectrochemical Water Splitting. *Materials Today Sustainability*, **2022**, 18, 100118	5	17
291	Molten salt synthesis of KCl-preintercalated CN nanosheets with abundant pyridinic-N as a superior anode with 10K cycles in lithium ion battery. *Journal of Colloid and Interface Science*, **2022**, 606, 537-543	9.3	2
290	Construction of cobalt vacancies in cobalt telluride to induce fast ionic/electronic diffusion kinetics for lithium-ion half/full batteries. *Journal of Materials Science and Technology*, **2022**, 127, 124-132	9.1	0
289	Turning commercial MnO (85wt%) into high-crystallized K-doped LiMnO cathode with superior structural stability by a low-temperature molten salt method. *Journal of Colloid and Interface Science*, **2021**, 608, 1377-1383	9.3	0
288	Fast synthesis of porous iron doped CeO with oxygen vacancy for effective CO photoreduction. *Journal of Colloid and Interface Science*, **2021**, 608, 1792-1801	9.3	3
287	Ni (II) Coordination Supramolecular Grids for Aqueous Nickel-Zinc Battery Cathodes. *Advanced Functional Materials*, **2021**, 31, 2100443	15.6	7
286	One-Step Synthesis of ZnNCN Nanoparticles with Adjustable Composition for an Advanced Anode in Lithium Ion Battery. *ACS Applied Energy Materials*, **2021**, 4, 4290-4296	6.1	1
285	Tailoring superficial morphology, defect and functional group of commercial carbon cloth for a flexible, stable and high-capacity anode in sodium ion battery. *Electrochimica Acta*, **2021**, 374, 137934	6.7	5
284	Enhanced BiVO4 Photoanode Photoelectrochemical Performance via Borate Treatment and a NiFeOx Cocatalyst. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 8306-8314	8.3	54
283	A general method to synthesize metal/N-doped carbon nanocomposites with advanced sodium storage properties. *Journal of Alloys and Compounds*, **2021**, 858, 157686	5.7	6
282	Designed synthesis of a porous ultrathin 2D CN@graphene@CN sandwich structure for superior photocatalytic hydrogen evolution under visible light. *Chemical Engineering Journal*, **2021**, 404, 126455	14.7	15
281	Ultrathin MXene "bridge" to accelerate charge transfer in ultrathin metal-free 0D/2D black phosphorus/g-CN heterojunction toward photocatalytic hydrogen production. *Journal of Colloid and Interface Science*, **2021**, 584, 474-483	9.3	28
280	Multifunctional carbon-confined FeS nanoparticles for a self-supporting and high-capacity cathode in lithium ion battery. *Journal of Electroanalytical Chemistry*, **2021**, 880, 114849	4.1	3
279	Novel Fe-based metal-organic cluster-derived iron oxides/S,N dual-doped carbon hybrids for high-performance lithium storage. *Nanoscale*, **2021**, 13, 716-723	7.7	5
278	Intercalation-type MoP and WP nanodots with abundant phase interface embedded in carbon microflower for enhanced Li storage and reaction kinetics. *Electrochimica Acta*, **2021**, 365, 137354	6.7	8
277	Self-sorting multimetalorganic gel electrocatalysts for a highly efficient oxygen evolution reaction. *Journal of Materials Chemistry A*, **2021**, 9, 17451-17458	13	11
276	Controllable synthesis of porous silver cyanamide nanocrystals with tunable morphologies for selective photocatalytic CO reduction into CH. *Journal of Colloid and Interface Science*, **2021**, 593, 152-161	9.3	7

275	Earth-abundant metal-free carbon-based electrocatalysts for Zn-air batteries to power electrochemical generation of H2O2 for in-situ wastewater treatment. *Chemical Engineering Journal*, **2021**, 416, 128338	14.7	8
274	Plasmon-induced carrier separation boosts high-selective photocatalytic CO2 reduction on dagger-axe-like Cu@Co core□shell bimetal. *Chemical Engineering Journal*, **2021**, 417, 129295	14.7	12
273	Phytic Acid-Based FeCo Bimetallic Metal-Organic Gels for Electrocatalytic Oxygen Evolution Reaction. *Chemistry - an Asian Journal*, **2021**, 16, 3213-3220	4.5	0
272	Tailoring hydrophily and composition of BiOI for an ultrafast photodegradation of tetracycline hydrochloride. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106292	6.8	1
271	Line defects in plasmatic hollow copper ball boost excellent photocatalytic reaction with pure water under ultra-low CO concentration. *Journal of Colloid and Interface Science*, **2021**, 603, 530-538	9.3	5
270	Engineering Heterostructure-Incorporated Metal Silicates Anchored on Carbon Nanotubes for Highly Durable Lithium Storage. *ACS Applied Energy Materials*, **2021**, 4, 1548-1559	6.1	27
269	Large-Scale Electric-Field Confined Silicon with Optimized Charge-Transfer Kinetics and Structural Stability for High-Rate Lithium-Ion Batteries. *ACS Nano*, **2020**, 14, 7066-7076	16.7	73
268	Heterojunction architecture of pTTh nanoflowers with CuOx nanoparticles hybridized for efficient photoelectrocatalytic degradation of organic pollutants. *Applied Catalysis B: Environmental*, **2020**, 277, 119249	21.8	11
267	Oxygen Defects in Promoting the Electrochemical Performance of Metal Oxides for Supercapacitors: Recent Advances and Challenges. *Small Methods*, **2020**, 4, 1900823	12.8	59
266	A recyclable photocatalytic tea-bag-like device model based on ultrathin Bi/C/BiOX (X□□Cl, Br) nanosheets. *Applied Surface Science*, **2020**, 515, 145967	6.7	19
265	Electrochemical Activation of Heterometallic Nanofibers for Hydrogen Evolution. *ACS Applied Nano Materials*, **2020**, 3, 2393-2401	5.6	6
264	Harnessing hierarchical architectures to trap light for efficient photoelectrochemical cells. *Energy and Environmental Science*, **2020**, 13, 660-684	35.4	25
263	Imine Gels Based on Ferrocene and Porphyrin and Their Electrocatalytic Property. *Chemistry - an Asian Journal*, **2020**, 15, 1963-1969	4.5	4
262	Enhancing Catalytic Activity and Selectivity by Plasmon-Induced Hot Carriers. *IScience*, **2020**, 23, 101107	6.1	4
261	In Situ Monitoring Small Energy Storage Change of Electrochromic Supercapacitors via Perovskite Photodetectors. *Small Methods*, **2020**, 4, 1900731	12.8	7
260	A facile method to produce MoSe2/MXene hybrid nanoflowers with enhanced electrocatalytic activity for hydrogen evolution. *Journal of Electroanalytical Chemistry*, **2020**, 856, 113727	4.1	19
259	Engineering the Band-Edge of Fe2O3/ZnO Nanoplates via Separate Dual Cation Incorporation for Efficient Photocatalytic Performance. *Industrial & Engineering Chemistry Research*, **2020**, 59, 18865-18872	3.9	48
258	Zr-Based Metal-Organic Framework Films Grown on Bio-Template for Photoelectrocatalysis. *ChemistrySelect*, **2020**, 5, 13855-13861	1.8	5

257	Defect Engineering Enhances the Charge Separation of CeO Nanorods toward Photocatalytic Methyl Blue Oxidation. *Nanomaterials*, **2020**, 10,	5.4	6
256	Enhanced metallicity boosts hydrogen evolution capability of dual-bimetallic Ni□e nitride nanoparticles. *Materials Today Physics*, **2020**, 15, 100267	8	50
255	Hollow Co2P/Co-carbon-based hybrids for lithium storage with improved pseudocapacitance and water oxidation anodes. *Journal of Materials Science and Technology*, **2020**, 55, 203-211	9.1	14
254	Design of a 1D/2D C3N4/rGO composite as an anode material for stable and effective potassium storage. *Energy Storage Materials*, **2020**, 25, 495-501	19.4	48
253	Heterojunction Architecture of N-Doped WO3 Nanobundles with Ce2S3 Nanodots Hybridized on a Carbon Textile Enables a Highly Efficient Flexible Photocatalyst. *Advanced Functional Materials*, **2019**, 29, 1903490	15.6	140
252	Freeing the Polarons to Facilitate Charge Transport in BiVO4 from Oxygen Vacancies with an Oxidative 2D Precursor. *Angewandte Chemie*, **2019**, 131, 19263-19271	3.6	10
251	High pseudocapacitance boosts the performance of monolithic porous carbon cloth/closely packed TiO2 nanodots as an anode of an all-flexible sodium-ion battery. *Journal of Materials Chemistry A*, **2019**, 7, 2626-2635	13	38
250	Flexible Zn-Ion Batteries: Recent Progresses and Challenges. *Small*, **2019**, 15, e1804760	11	277
249	A Flexible Microsupercapacitor with Integral Photocatalytic Fuel Cell for Self-Charging. *ACS Nano*, **2019**, 13, 8246-8255	16.7	52
248	Intermediates Adsorption Engineering of CO2 Electroreduction Reaction in Highly Selective Heterostructure Cu-Based Electrocatalysts for CO Production. *Advanced Energy Materials*, **2019**, 9, 1901396	21.8	63
247	Anion□Cation Double Doped Co3O4 Microtube Architecture to Promote High-Valence Co Species Formation for Enhanced Oxygen Evolution Reaction. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 11901-11910	8.3	25
246	Toward Efficient Charge Collection and Light Absorption: A Perspective of Light Trapping for Advanced Photoelectrodes. *Journal of Physical Chemistry C*, **2019**, 123, 18753-18770	3.8	8
245	Strategy for stabilizing noble metal nanoparticles without sacrificing active sites. *Chemical Communications*, **2019**, 55, 6846-6849	5.8	12
244	Photo-enhanced Zn□ir batteries with simultaneous highly efficient in situ H2O2 generation for wastewater treatment. *Journal of Materials Chemistry A*, **2019**, 7, 14129-14135	13	22
243	Engineering of Oxygen Vacancy and Electric-Field Effect by Encapsulating Lithium Titanate in Reduced Graphene Oxide for Superior Lithium Ion Storage. *Small Methods*, **2019**, 3, 1900185	12.8	35
242	Nitrogen and Phosphorus Codoped Vertical Graphene/Carbon Cloth as a Binder-Free Anode for Flexible Advanced Potassium Ion Full Batteries. *Small*, **2019**, 15, e1901285	11	69
241	Co O @Cu-Based Conductive Metal-Organic Framework Core-Shell Nanowire Electrocatalysts Enable Efficient Low-Overall-Potential Water Splitting. *Chemistry - A European Journal*, **2019**, 25, 6575-6583	4.8	50
240	Nitrogen treatment generates tunable nanohybridization of Ni5P4 nanosheets with nickel hydr(oxy)oxides for efficient hydrogen production in alkaline, seawater and acidic media. *Applied Catalysis B: Environmental*, **2019**, 251, 181-194	21.8	155

239	Emerging porous materials in confined spaces: from chromatographic applications to flow chemistry. *Chemical Society Reviews*, **2019**, 48, 2566-2595	58.5	67
238	3D Hierarchical Nanorod@Nanobowl Array Photoanode with a Tunable Light-Trapping Cutoff and Bottom-Selective Field Enhancement for Efficient Solar Water Splitting. *Small*, **2019**, 15, e1804976	11	11
237	Hybrid implanted hybrid hollow nanocube electrocatalyst facilitates efficient hydrogen evolution activity. *Journal of Materials Chemistry A*, **2019**, 7, 11150-11159	13	36
236	Surface hydroxylated hematite promotes photoinduced hole transfer for water oxidation. *Journal of Materials Chemistry A*, **2019**, 7, 8050-8054	13	18
235	Polypyrrole-encapsulated amorphous Bi2S3 hollow sphere for long life sodium ion batteries and lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2019**, 7, 11370-11378	13	63
234	Co-based MOF-derived Co/CoN/Co2P ternary composite embedded in N- and P-doped carbon as bifunctional nanocatalysts for efficient overall water splitting. *International Journal of Hydrogen Energy*, **2019**, 44, 11402-11410	6.7	98
233	Enhanced catalytic activity of Au core Pd shell Pt cluster trimetallic nanorods for CO reduction.. *RSC Advances*, **2019**, 9, 10168-10173	3.7	7
232	Water Splitting: 3D Hierarchical Nanorod@Nanobowl Array Photoanode with a Tunable Light-Trapping Cutoff and Bottom-Selective Field Enhancement for Efficient Solar Water Splitting (Small 14/2019). *Small*, **2019**, 15, 1970074	11	
231	Glucose-Induced Formation of Oxygen Vacancy and Bi-Metal Comodified Bi5O7Br Nanotubes for Efficient Performance Photocatalysis. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 5784-5791	8.3	42
230	Engineering high reversibility and fast kinetics of Bi nanoflakes by surface modulation for ultrastable nickel-bismuth batteries. *Chemical Science*, **2019**, 10, 3602-3607	9.4	24
229	Dual Doping Induced Interfacial Engineering of Fe2N/Fe3N Hybrids with Favorable d-Band towards Efficient Overall Water Splitting. *ChemCatChem*, **2019**, 11, 6051-6060	5.2	60
228	Zipping Up NiFe(OH)x-Encapsulated Hematite To Achieve an Ultralow Turn-On Potential for Water Oxidation. *ACS Energy Letters*, **2019**, 4, 1983-1990	20.1	48
227	CO2 Electroreduction: Intermediates Adsorption Engineering of CO2 Electroreduction Reaction in Highly Selective Heterostructure Cu-Based Electrocatalysts for CO Production (Adv. Energy Mater. 27/2019). *Advanced Energy Materials*, **2019**, 9, 1970107	21.8	4
226	Dendrite-Free Zinc Deposition Induced by Multifunctional CNT Frameworks for Stable Flexible Zn-Ion Batteries. *Advanced Materials*, **2019**, 31, e1903675	24	419
225	Surface functionalized 3D carbon fiber boosts the lithium storage behaviour of transition metal oxide nanowires via strong electronic interaction and tunable adsorption energy. *Nanoscale Horizons*, **2019**, 4, 1402-1410	10.8	15
224	Boosting Zn-Ion Energy Storage Capability of Hierarchically Porous Carbon by Promoting Chemical Adsorption. *Advanced Materials*, **2019**, 31, e1904948	24	181
223	Freeing the Polarons to Facilitate Charge Transport in BiVO from Oxygen Vacancies with an Oxidative 2D Precursor. *Angewandte Chemie - International Edition*, **2019**, 58, 19087-19095	16.4	35
222	3D CNTs Networks Enable MnO2 Cathodes with High Capacity and Superior Rate Capability for Flexible Rechargeable Zn–MnO2 Batteries. *Small Methods*, **2019**, 3, 1900525	12.8	64

221	TiN Paper for Ultrafast-Charging Supercapacitors. *Nano-Micro Letters*, **2019**, 12, 3	19.5	22
220	Boosting the Oxygen Evolution Reaction Activity of NiFeO Nanosheets by Phosphate Ion Functionalization. *ACS Omega*, **2019**, 4, 3493-3499	3.9	38
219	Enhancing the Capacitive Storage Performance of Carbon Fiber Textile by Surface and Structural Modulation for Advanced Flexible Asymmetric Supercapacitors. *Advanced Functional Materials*, **2019**, 29, 1806329	15.6	125
218	Efficient Hydrogen Evolution Activity and Overall Water Splitting of Metallic CoN Nanowires through Tunable d-Orbitals with Ultrafast Incorporation of FeOOH. *ACS Applied Materials & Interfaces*, **2019**, 11, 5152-5158	9.5	94
217	Interface charges redistribution enhanced monolithic etched copper foam-based Cu2O layer/TiO2 nanodots heterojunction with high hydrogen evolution electrocatalytic activity. *Applied Catalysis B: Environmental*, **2019**, 243, 365-372	21.8	43
216	Activating CoOOH Porous Nanosheet Arrays by Partial Iron Substitution for Efficient Oxygen Evolution Reaction. *Angewandte Chemie*, **2018**, 130, 2702-2706	3.6	44
215	Graphene-based metal and nitrogen-doped carbon composites as adsorbents for highly sensitive solid phase microextraction of polycyclic aromatic hydrocarbons. *Nanoscale*, **2018**, 10, 10073-10078	7.7	29
214	Pt-like Hydrogen Evolution Electrocatalysis on PANI/CoP Hybrid Nanowires by Weakening the Shackles of Hydrogen Ions on the Surfaces of Catalysts. *Journal of the American Chemical Society*, **2018**, 140, 5118-5126	16.4	339
213	In Situ Activation of 3D Porous Bi/Carbon Architectures: Toward High-Energy and Stable Nickel-Bismuth Batteries. *Advanced Materials*, **2018**, 30, e1707290	24	106
212	Porous Microrod Arrays Constructed by Carbon-Confined NiCo@NiCoO Core@Shell Nanoparticles as Efficient Electrocatalysts for Oxygen Evolution. *Advanced Materials*, **2018**, 30, e1705442	24	278
211	Enhanced Efficiency of Electron□Hole Separation in Bi2O2CO3 for Photocatalysis via Acid Treatment. *ChemCatChem*, **2018**, 10, 1982-1987	5.2	93
210	Porphyrin-based imine gels for enhanced visible-light photocatalytic hydrogen production. *Journal of Materials Chemistry A*, **2018**, 6, 3195-3201	13	27
209	Activating CoOOH Porous Nanosheet Arrays by Partial Iron Substitution for Efficient Oxygen Evolution Reaction. *Angewandte Chemie - International Edition*, **2018**, 57, 2672-2676	16.4	355
208	Designing Carbon Based Supercapacitors with High Energy Density: A Summary of Recent Progress. *Chemistry - A European Journal*, **2018**, 24, 7312-7329	4.8	81
207	Efficient Charges Separation Using Advanced BiOI-Based Hollow Spheres Decorated with Palladium and Manganese Dioxide Nanoparticles. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 2751-2757	8.3	123
206	Achieving high gravimetric energy density for flexible lithium-ion batteries facilitated by core□double-shell electrodes. *Energy and Environmental Science*, **2018**, 11, 1859-1869	35.4	160
205	Efficient Hydrogen Evolution on Cu Nanodots-Decorated NiS Nanotubes by Optimizing Atomic Hydrogen Adsorption and Desorption. *Journal of the American Chemical Society*, **2018**, 140, 610-617	16.4	410
204	Phase Boundary Derived Pseudocapacitance Enhanced Nickel-Based Composites for Electrochemical Energy Storage Devices. *Advanced Energy Materials*, **2018**, 8, 1701681	21.8	90

203	Engineering of Mesoscale Pores in Balancing Mass Loading and Rate Capability of Hematite Films for Electrochemical Capacitors. *Advanced Energy Materials*, **2018**, 8, 1801784	21.8	67
202	Promoting Alternative Flexible Substrate for Electrode Materials to Achieve Enhanced Lithium Storage Properties. *ChemistrySelect*, **2018**, 3, 6965-6971	1.8	6
201	Low-valence bicomponent (FeO)x(MnO)1− nanocrystals embedded in amorphous carbon as high-performance anode materials for lithium storage. *Journal of Materials Chemistry A*, **2018**, 6, 15274-15283	13	21
200	Rational design of atomically dispersed nickel active sites in -MoC for the hydrogen evolution reaction at all pH values. *Chemical Communications*, **2018**, 54, 9901-9904	5.8	86
199	Enhanced lithium storage performance of porous exfoliated carbon fibers anchored nickel nanoparticles.. *RSC Advances*, **2018**, 8, 17056-17059	3.7	15
198	Ultrahigh energy fiber-shaped supercapacitors based on porous hollow conductive polymer composite fiber electrodes. *Journal of Materials Chemistry A*, **2018**, 6, 12250-12258	13	29
197	Lithium Ferrites@Polydopamine Core-Shell Nanoparticles as a New Robust Negative Electrode for Advanced Asymmetric Supercapacitors. *Particle and Particle Systems Characterization*, **2018**, 35, 1800128	3.1	6
196	SnS/SnO heterostructures embedded in porous carbon microcages by boosting charge transfer for enhanced sodium-ion storage. *Materials Technology*, **2018**, 33, 548-554	2.1	8
195	Recent Smart Methods for Achieving High-Energy Asymmetric Supercapacitors. *Small Methods*, **2018**, 2, 1700230	12.8	122
194	Covalently Modified Electrode with Pt Nanoparticles Encapsulated in Porous Organic Polymer for Efficient Electrocatalysis. *ACS Applied Nano Materials*, **2018**, 1, 6477-6482	5.6	10
193	Boosting the Photoelectrochemical Water Oxidation at Hematite Photoanode by Innovating a Hierarchical Ball-on-Wire-Array Structure. *ACS Applied Energy Materials*, **2018**, 1, 5836-5841	6.1	9
192	A Confinement Strategy for Stabilizing ZIF-Derived Bifunctional Catalysts as a Benchmark Cathode of Flexible All-Solid-State Zinc-Air Batteries. *Advanced Materials*, **2018**, 30, e1805268	24	111
191	Oxygen Defect Modulated Titanium Niobium Oxide on Graphene Arrays: An Open-Door for High-Performance 1.4 V Symmetric Supercapacitor in Acidic Aqueous Electrolyte. *Advanced Functional Materials*, **2018**, 28, 1805618	15.6	86
190	Synergistic Performance between Visible-Light Photocatalysis and Thermocatalysis for VOCs Oxidation over Robust Ag/F-Codoped SrTiO3. *Industrial & Engineering Chemistry Research*, **2018**, 57, 12766-12773	3.9	39
189	Cerium-based hybrid nanorods for synergetic photo-thermocatalytic degradation of organic pollutants. *Journal of Materials Chemistry A*, **2018**, 6, 24740-24747	13	133
188	A flexible rechargeable quasi-solid-state Ni-Fe battery based on surface engineering exhibits high energy and long durability. *Inorganic Chemistry Frontiers*, **2018**, 5, 1805-1815	6.8	13
187	Nickel@Nickel Oxide Core-Shell Electrode with Significantly Boosted Reactivity for Ultrahigh-Energy and Stable Aqueous Ni-Zn Battery. *Advanced Functional Materials*, **2018**, 28, 1802157	15.6	92
186	Targeted reversal and phosphorescence lifetime imaging of cancer cell metabolism via a theranostic rhenium(I)-DCA conjugate. *Biomaterials*, **2018**, 176, 94-105	15.6	35

185	Ultrathin Bi2MoO6 Nanosheets for Photocatalysis: Performance Enhancement by Atomic Interfacial Engineering. *ChemistrySelect*, **2018**, 3, 7423-7428	1.8	47
184	Using pulverization phenomenon to extend electrodes cyclic life of ternary metal oxides. *Materials Today Energy*, **2018**, 9, 311-318	7	14
183	Efficient Hydrogen Evolution Electrocatalysis Using Cobalt Nanotubes Decorated with Titanium Dioxide Nanodots. *Angewandte Chemie - International Edition*, **2017**, 56, 2960-2964	16.4	251
182	Porous MoO nanowires as stable and high-rate negative electrodes for electrochemical capacitors. *Chemical Communications*, **2017**, 53, 3929-3932	5.8	40
181	Ceria and ceria-based nanostructured materials for photoenergy applications. *Nano Energy*, **2017**, 34, 313-337	17.1	79
180	Nitrogen-Doped Co O Mesoporous Nanowire Arrays as an Additive-Free Air-Cathode for Flexible Solid-State Zinc-Air Batteries. *Advanced Materials*, **2017**, 29, 1602868	24	353
179	Efficient Hydrogen Evolution Electrocatalysis Using Cobalt Nanotubes Decorated with Titanium Dioxide Nanodots. *Angewandte Chemie*, **2017**, 129, 3006-3010	3.6	35
178	Multiscale Pore Network Boosts Capacitance of Carbon Electrodes for Ultrafast Charging. *Nano Letters*, **2017**, 17, 3097-3104	11.5	206
177	Enhanced Photoelectrochemical Activity by Autologous Cd/CdO/CdS Heterojunction Photoanodes with High Conductivity and Separation Efficiency. *Chemistry - A European Journal*, **2017**, 23, 9625-9631	4.8	10
176	Co3O4@Co Nanoparticles Embedded Porous N-Rich Carbon Matrix for Efficient Oxygen Reduction. *Particle and Particle Systems Characterization*, **2017**, 34, 1700074	3.1	11
175	Updates on the development of nanostructured transition metal nitrides for electrochemical energy storage and water splitting. *Materials Today*, **2017**, 20, 425-451	21.8	242
174	Achieving Ultrahigh Energy Density and Long Durability in a Flexible Rechargeable Quasi-Solid-State Zn-MnO Battery. *Advanced Materials*, **2017**, 29, 1700274	24	450
173	SilicaPolypyrrole Hybrids as High-Performance Metal-Free Electrocatalysts for the Hydrogen Evolution Reaction in Neutral Media. *Angewandte Chemie*, **2017**, 129, 8232-8236	3.6	22
172	Silica-Polypyrrole Hybrids as High-Performance Metal-Free Electrocatalysts for the Hydrogen Evolution Reaction in Neutral Media. *Angewandte Chemie - International Edition*, **2017**, 56, 8120-8124	16.4	175
171	High-performance flexible quasi-solid-state ZnMnO2 battery based on MnO2 nanorod arrays coated 3D porous nitrogen-doped carbon cloth. *Journal of Materials Chemistry A*, **2017**, 5, 14838-14846	13	196
170	Mild metal-organic-gel route for synthesis of stable sub-5-nm metal-organic framework nanocrystals. *Nano Research*, **2017**, 10, 3621-3628	10	13
169	Morphology and Doping Engineering of Sn-Doped Hematite Nanowire Photoanodes. *Nano Letters*, **2017**, 17, 2490-2495	11.5	163
168	Boosting the Energy Density of Carbon-Based Aqueous Supercapacitors by Optimizing the Surface Charge. *Angewandte Chemie*, **2017**, 129, 5546-5551	3.6	46

167	Boosting the Energy Density of Carbon-Based Aqueous Supercapacitors by Optimizing the Surface Charge. *Angewandte Chemie - International Edition*, **2017**, 56, 5454-5459	16.4	234
166	In Situ Hydrothermally Grown TiO@C Core-Shell Nanowire Coating for Highly Sensitive Solid Phase Microextraction of Polycyclic Aromatic Hydrocarbons. *ACS Applied Materials & Interfaces*, **2017**, 9, 1840-1846	9.5	41
165	An Ultrastable and High-Performance Flexible Fiber-Shaped Ni-Zn Battery based on a Ni-NiO Heterostructured Nanosheet Cathode. *Advanced Materials*, **2017**, 29, 1702698	24	231
164	A modified molecular framework derived highly efficient Mn-Co-carbon cathode for a flexible Zn-air battery. *Chemical Communications*, **2017**, 53, 11596-11599	5.8	64
163	Enhanced Photocatalytic Activity from Mixture-Fuel Cells by ZnO Template-Assisted Pd-Pt Hollow Nanorods. *ChemistrySelect*, **2017**, 2, 9842-9846	1.8	6
162	Binder-free WS2 nanosheets with enhanced crystallinity as a stable negative electrode for flexible asymmetric supercapacitors. *Journal of Materials Chemistry A*, **2017**, 5, 21460-21466	13	58
161	Encapsulated Vanadium-Based Hybrids in Amorphous N-Doped Carbon Matrix as Anode Materials for Lithium-Ion Batteries. *Small*, **2017**, 13, 1702081	11	59
160	Cost-Effective Alkaline Water Electrolysis Based on Nitrogen- and Phosphorus-Doped Self-Supportive Electrocatalysts. *Advanced Materials*, **2017**, 29, 1702095	24	139
159	Oxygen-Deficient Three-Dimensional Porous Co3O4 Nanowires as an Electrode Material for Water Oxidation and Energy Storage. *ChemElectroChem*, **2017**, 4, 2453-2459	4.3	33
158	Engineering Thin MoS2 Nanosheets on TiN Nanorods: Advanced Electrochemical Capacitor Electrode and Hydrogen Evolution Electrocatalyst. *ACS Energy Letters*, **2017**, 2, 1862-1868	20.1	134
157	Vertical bismuth oxide nanosheets with enhanced crystallinity: promising stable anodes for rechargeable alkaline batteries. *Journal of Materials Chemistry A*, **2017**, 5, 25539-25544	13	22
156	A Facile Activation Strategy for an MOF-Derived Metal-Free Oxygen Reduction Reaction Catalyst: Direct Access to Optimized Pore Structure and Nitrogen Species. *ACS Catalysis*, **2017**, 7, 6082-6088	13.1	141
155	Low concentration nitric acid facilitate rapid electron□hole separation in vacancy-rich bismuth oxyiodide for photo-thermo-synergistic oxidation of formaldehyde. *Applied Catalysis B: Environmental*, **2017**, 218, 700-708	21.8	52
154	Ostwald Ripening Improves Rate Capability of High Mass Loading Manganese Oxide for Supercapacitors. *ACS Energy Letters*, **2017**, 2, 1752-1759	20.1	115
153	A g-C3N4/WO3 photoanode with exceptional ability for photoelectrochemical water splitting. *Materials Chemistry Frontiers*, **2017**, 1, 338-342	7.8	28
152	Etched current collector-guided creation of wrinkles in steel-mesh-supported V6O13 cathode for lithium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 756-764	13	22
151	A Simple and Highly Sensitive Thymine Sensor for Mercury Ion Detection Based on Surface Enhanced Raman Spectroscopy and the Mechanism Study. *Nanomaterials*, **2017**, 7,	5.4	10
150	Bifunctional catalytic material: An ultrastable and high-performance surface defect CeO2 nanosheets for formaldehyde thermal oxidation and photocatalytic oxidation. *Applied Catalysis B: Environmental*, **2016**, 181, 779-787	21.8	196

149	Asymmetric supercapacitors with high energy density based on helical hierarchical porous Na MnO and MoO. *Chemical Science*, **2016**, 7, 510-517	9.4	80
148	Iron-Based Supercapacitor Electrodes: Advances and Challenges. *Advanced Energy Materials*, **2016**, 6, 1601053	21.8	270
147	Flexible Ultrafast Aqueous Rechargeable Ni//Bi Battery Based on Highly Durable Single-Crystalline Bismuth Nanostructured Anode. *Advanced Materials*, **2016**, 28, 9188-9195	24	178
146	Dual doping strategy enhanced the lithium storage properties of graphene oxide binary composites. *Journal of Materials Chemistry A*, **2016**, 4, 13431-13438	13	21
145	Surface engineering of carbon fiber paper for efficient capacitive energy storage. *Journal of Materials Chemistry A*, **2016**, 4, 18639-18645	13	54
144	Dual-Doped Molybdenum Trioxide Nanowires: A Bifunctional Anode for Fiber-Shaped Asymmetric Supercapacitors and Microbial Fuel Cells. *Angewandte Chemie - International Edition*, **2016**, 55, 6762-6	16.4	203
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