Lifang Jiao

List of Publications by Year in Descending Order

294 papers	15,227 citations	65 h-index	108 g-index
307 ext. papers	18,353 ext. citations	9.1 avg, IF	7.21 L-index

#	Paper	IF	Citations
294	Inorganic Electrolyte for Low-Temperature Aqueous Sodium Ion Batteries.. *Small*, **2022**, 18, e2107662	11	6
293	Electron modulation of cobalt carbonate hydroxide by Mo doping for urea-assisted hydrogen production. *Journal of Energy Chemistry*, **2022**, 70, 258-265	12	5
292	PEM water electrolysis for hydrogen production: fundamentals, advances, and prospects **2022**, 1,		0
291	Activating commercial Al pellets by replacing the passivation layer for high-performance half/full Li-ion batteries. *Chemical Engineering Journal*, **2021**, 133572	14.7	0
290	Solid-State Electrolytes for Sodium Metal Batteries. *Energy & Fuels*, **2021**, 35, 9063-9079	4.1	13
289	High-Energy Aqueous Sodium-Ion Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 11943-11948	16	24
288	High-Energy Aqueous Sodium-Ion Batteries. *Angewandte Chemie*, **2021**, 133, 12050-12055	3.6	2
287	Intercalation engineering of layered vanadyl phosphates for high performance zinc-ion batteries. *Journal of Energy Chemistry*, **2021**,	12	4
286	Influence of interlayer water molecules in Ni-based catalysts for oxygen evolution reaction. *Journal of Energy Chemistry*, **2021**, 53, 316-322	12	7
285	Recent advances in electrospun electrode materials for sodium-ion batteries. *Journal of Energy Chemistry*, **2021**, 54, 225-241	12	34
284	Promoting K ion storage property of SnS2 anode by structure engineering. *Chemical Engineering Journal*, **2021**, 406, 126902	14.7	21
283	In-situ construction of lattice-matching NiP2/NiSe2 heterointerfaces with electron redistribution for boosting overall water splitting. *Applied Catalysis B: Environmental*, **2021**, 282, 119584	21.8	60
282	Current state-of-the-art characterization techniques for probing the layered oxide cathode materials of sodium-ion batteries. *Energy Storage Materials*, **2021**, 35, 400-430	19.4	19
281	Integrating energy-saving hydrogen production with methanol electrooxidation over Mo modified Co4N nanoarrays. *Journal of Materials Chemistry A*, **2021**, 9, 21094-21100	13	5
280	Few-layered MoN□MnO heterostructures with interfacial-O synergistic active centers boosting electrocatalytic hydrogen evolution. *Journal of Materials Chemistry A*, **2021**, 9, 8325-8331	13	10
279	Transition-Metal (Fe, Co, and Ni)-Based Nanofiber Electrocatalysts for Water Splitting. *Advanced Fiber Materials*, **2021**, 3, 210-228	10.9	24
278	Stimulating the Reversibility of Sb S Anode for High-Performance Potassium-Ion Batteries. *Small*, **2021**, 17, e2008133	11	20

277	Sandwich-Like Heterostructures of MoS /Graphene with Enlarged Interlayer Spacing and Enhanced Hydrophilicity as High-Performance Cathodes for Aqueous Zinc-Ion Batteries. *Advanced Materials*, **2021**, 33, e2007480	24	89
276	Potassium-Ion Batteries: Stimulating the Reversibility of Sb2S3 Anode for High-Performance Potassium-Ion Batteries (Small 10/2021). *Small*, **2021**, 17, 2170044	11	1
275	Metallic S-CoTe with Surface Reconstruction Activated by Electrochemical Oxidation for Oxygen Evolution Catalysis. *Small*, **2021**, 17, e2102027	11	16
274	Molecular Engineering on MoS Enables Large Interlayers and Unlocked Basal Planes for High-Performance Aqueous Zn-Ion Storage. *Angewandte Chemie - International Edition*, **2021**, 60, 20286-20293	16.4	26
273	P-Block Atomically Dispersed Antimony Catalyst for Highly Efficient Oxygen Reduction Reaction. *Angewandte Chemie*, **2021**, 133, 21407-21411	3.6	7
272	Molecular Engineering on MoS2 Enables Large Interlayers and Unlocked Basal Planes for High-Performance Aqueous Zn-Ion Storage. *Angewandte Chemie*, **2021**, 133, 20448-20455	3.6	14
271	Regulating Deposition Behavior of Sodium Ions for Dendrite-Free Sodium-Metal Anode. *Advanced Energy Materials*, **2021**, 11, 2101976	21.8	6
270	P-Block Atomically Dispersed Antimony Catalyst for Highly Efficient Oxygen Reduction Reaction. *Angewandte Chemie - International Edition*, **2021**, 60, 21237-21241	16.4	21
269	Ni2P/NiMoP heterostructure as a bifunctional electrocatalyst for energy-saving hydrogen production. *EScience*, **2021**, 1, 69-69		40
268	Bi-continuous ion/electron transfer avenues enhancing the rate capability of SnS2 anode for potassium-ion batteries. *Journal of Power Sources*, **2021**, 506, 230160	8.9	6
267	Rapid kinetics of Na-ion storage in bimetallic sulfide composite. *Energy Storage Materials*, **2021**, 41, 32-40	19.4	10
266	Lowering the voltage-hysteresis of CuS anode for Li-ion batteries via constructing heterostructure. *Chemical Engineering Journal*, **2021**, 425, 130548	14.7	10
265	MOFs-Derived Carbon-Based Metal Catalysts for Energy-Related Electrocatalysis. *Small*, **2021**, 17, e2004398	13	29
264	Realizing Complete Solid-Solution Reaction in High Sodium Content P2-Type Cathode for High-Performance Sodium-Ion Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 14511-14516	16.4	55
263	Realizing Complete Solid-Solution Reaction in High Sodium Content P2-Type Cathode for High-Performance Sodium-Ion Batteries. *Angewandte Chemie*, **2020**, 132, 14619-14624	3.6	28
262	Polyanion-type cathode materials for sodium-ion batteries. *Chemical Society Reviews*, **2020**, 49, 2342-2377	58.5	173
261	Electronic Redistribution: Construction and Modulation of Interface Engineering on CoP for Enhancing Overall Water Splitting. *Advanced Functional Materials*, **2020**, 30, 1909618	15.6	122
260	Facile synthesis of small MgH2 nanoparticles confined in different carbon materials for hydrogen storage. *Journal of Alloys and Compounds*, **2020**, 825, 153953	5.7	33

259	Promoting the Electrochemical Performance of Li-Rich Layered Li1.2(Ni1/6Co1/6Mn4/6)0.8O2 with the In Situ Transformed Allogenic Spinel Phase. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 2215-2225	8.3	9
258	In/ex-situ Raman spectra combined with EIS for observing interface reactions between Ni-rich layered oxide cathode and sulfide electrolyte. *Journal of Energy Chemistry*, **2020**, 48, 195-202	12	19
257	Hierarchical TiC@TiO MXene hybrids with tunable interlayer distance for highly durable lithium-ion batteries. *Nanoscale*, **2020**, 12, 10369-10379	7.7	27
256	Layer-by-layer uniformly confined Graphene-NaAlH4 composites and hydrogen storage performance. *International Journal of Hydrogen Energy*, **2020**, 45, 28116-28122	6.7	10
255	Highly efficient, fast and reversible multi-electron reaction of Na3MnTi(PO4)3 cathode for sodium-ion batteries. *Energy Storage Materials*, **2020**, 26, 325-333	19.4	53
254	Microsized Antimony as a Stable Anode in Fluoroethylene Carbonate Containing Electrolytes for Rechargeable Lithium-/Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 3554-3562	9.5	21
253	Hierarchical Engineering of Porous P2-Na2/3Ni1/3Mn2/3O2 Nanofibers Assembled by Nanoparticles Enables Superior Sodium-Ion Storage Cathodes. *Advanced Functional Materials*, **2020**, 30, 1907837	15.6	64
252	Electrocatalytic Hydrogen Evolution of Ultrathin Co-Mo5N6 Heterojunction with Interfacial Electron Redistribution. *Advanced Energy Materials*, **2020**, 10, 2002176	21.8	73
251	Long-Life Zinc/Vanadium Pentoxide Battery Enabled by a Concentrated Aqueous ZnSO4 Electrolyte with Proton and Zinc Ion Co-Intercalation. *ACS Applied Energy Materials*, **2020**, 3, 11183-11192	6.1	38
250	Boosting Coulombic Efficiency of Conversion-Reaction Anodes for Potassium-Ion Batteries via Confinement Effect. *Advanced Functional Materials*, **2020**, 30, 2007712	15.6	30
249	Low defects potassium cobalt hexacyanoferrate as a superior cathode for aqueous potassium ion batteries. *Journal of Materials Chemistry A*, **2020**, 8, 21103-21109	13	13
248	Binder-Free Electrodes for Advanced Sodium-Ion Batteries. *Advanced Materials*, **2020**, 32, e1806304	24	112
247	Multifunctional Transition Metal-Based Phosphides in Energy-Related Electrocatalysis. *Advanced Energy Materials*, **2020**, 10, 1902104	21.8	174
246	Flexible Antimony@Carbon Integrated Anode for High-Performance Potassium-Ion Battery. *Advanced Materials Technologies*, **2020**, 5, 2000199	6.8	33
245	Heterostructure SnSe2/ZnSe@PDA Nanobox for Stable and Highly Efficient Sodium-Ion Storage. *Advanced Energy Materials*, **2020**, 10, 2000741	21.8	100
244	Coupled cobalt-doped molybdenum carbide@N-doped carbon nanosheets/nanotubes supported on nickel foam as a binder-free electrode for overall water splitting. *Chinese Journal of Catalysis*, **2019**, 40, 1352-1359	11.3	23
243	Stabilization of Li-Se Batteries by Wearing PAN Protective Clothing. *ACS Applied Materials & Interfaces*, **2019**, 11, 40069-40077	9.5	8
242	Hydrated Layered Vanadium Oxide as a Highly Reversible Cathode for Rechargeable Aqueous Zinc Batteries. *Advanced Functional Materials*, **2019**, 29, 1807331	15.6	217

241	Highly Dispersed MgH2 Nanoparticle□Graphene Nanosheet Composites for Hydrogen Storage. *ACS Applied Nano Materials*, **2019**, 2, 3828-3835	5.6	27
240	Promoted synergy in core-branch CoP@NiFe□DH nanohybrids for efficient electrochemical-/photovoltage-driven overall water splitting. *Nano Energy*, **2019**, 63, 103821	17.1	50
239	Boosting fast and durable sodium-ion storage by tailoring well-shaped Na0.44MnO2 nanowires cathode. *Electrochimica Acta*, **2019**, 313, 122-130	6.7	19
238	Electrospun Co/Co3SnC0.7@N-CNFs as free-standing anode for advanced lithium-ion batteries. *Journal of Alloys and Compounds*, **2019**, 793, 646-652	5.7	6
237	Fire-Retardant Phosphate-Based Electrolytes for High-Performance Lithium Metal Batteries. *ACS Applied Energy Materials*, **2019**, 2, 2708-2716	6.1	32
236	Tin nanoparticles embedded in an N-doped microporous carbon matrix derived from ZIF-8 as an anode for ultralong-life and ultrahigh-rate lithium-ion batteries. *Inorganic Chemistry Frontiers*, **2019**, 6, 1238-1244	6.8	13
235	K2Ti6O13 nanorods for potassium-ion battery anodes. *Journal of Electroanalytical Chemistry*, **2019**, 841, 51-55	4.1	27
234	Robust graphene layer modified Na2MnP2O7 as a durable high-rate and high energy cathode for Na-ion batteries. *Energy Storage Materials*, **2019**, 16, 383-390	19.4	52
233	Constructing hierarchical MnO2/Co3O4 heterostructure hollow spheres for high-performance Li-Ion batteries. *Journal of Power Sources*, **2019**, 437, 226904	8.9	21
232	Ultrafast Rechargeable Zinc Battery Based on High-Voltage Graphite Cathode and Stable Nonaqueous Electrolyte. *ACS Applied Materials & Interfaces*, **2019**, 11, 32978-32986	9.5	49
231	CuO Nanoplates for High-Performance Potassium-Ion Batteries. *Small*, **2019**, 15, e1901775	11	67
230	Crystalline Ni(OH)2/Amorphous NiMoOx Mixed-Catalyst with Pt-Like Performance for Hydrogen Production. *Advanced Energy Materials*, **2019**, 9, 1902703	21.8	66
229	N-doped CoSb@C nanofibers as a self-supporting anode for high-performance K-ion and Na-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 25268-25273	13	28
228	Molybdenum carbide in-situ embedded into carbon nanosheets as efficient bifunctional electrocatalysts for overall water splitting. *Electrochimica Acta*, **2019**, 298, 305-312	6.7	45
227	In Situ Synthesis of 1D Mesoporous [email□protected] Nanorods for High Performance Li-Ion Batteries. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 139-146	8.3	19
226	Facile Synthesis of A 3D Flower-Like Mesoporous Ni@C Composite Material for High-Energy Aqueous Asymmetric Supercapacitors. *Chemistry - an Asian Journal*, **2018**, 13, 1005-1011	4.5	2
225	In Situ Synthesis of 3D Flower-Like Nanocrystalline Ni/C and its Effect on Hydrogen Storage Properties of LiAlH. *Chemistry - an Asian Journal*, **2018**, 13, 350-357	4.5	11
224	Ultrasmall Sn nanoparticles embedded in spherical hollow carbon for enhanced lithium storage properties. *Chemical Communications*, **2018**, 54, 1205-1208	5.8	51

223	A review of transition-metal boride/phosphide-based materials for catalytic hydrogen generation from hydrolysis of boron-hydrides. *Inorganic Chemistry Frontiers*, **2018**, 5, 760-772	6.8	58
222	Optimized core□shell polypyrrole-coated NiCo2O4 nanowires as binder-free electrode for high-energy and durable aqueous asymmetric supercapacitor. *Journal of Materials Science*, **2018**, 53, 2658-2668	4.3	28
221	Superhydrophilic amorphous Co□B□P nanosheet electrocatalysts with Pt-like activity and durability for the hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2018**, 6, 22062-22069	13	98
220	Electrospun three dimensional Co/CoP@nitrogen-doped carbon nanofibers network for efficient hydrogen evolution. *Energy Storage Materials*, **2018**, 12, 44-53	19.4	115
219	1D Nanomaterials: Design, Synthesis, and Applications in Sodium-Ion Batteries. *Small*, **2018**, 14, 1703086	11	135
218	Improved Dehydrogenation Properties of LiBH Using Catalytic Nickel- and Cobalt-based Mesoporous Oxide Nanorods. *Chemistry - an Asian Journal*, **2018**, 13, 99-105	4.5	13
217	MOF based on a longer linear ligand: electrochemical performance, reaction kinetics, and use as a novel anode material for sodium-ion batteries. *Chemical Communications*, **2018**, 54, 11793-11796	5.8	22
216	Approaching the Downsizing Limit of Maricite NaFePO4 toward High-Performance Cathode for Sodium-Ion Batteries. *Advanced Functional Materials*, **2018**, 28, 1801917	15.6	92
215	Rechargeable Aqueous Zn□V2O5 Battery with High Energy Density and Long Cycle Life. *ACS Energy Letters*, **2018**, 3, 1366-1372	20.1	486
214	Intercalation pseudocapacitance in flexible and self-standing V2O3 porous nanofibers for high-rate and ultra-stable K ion storage. *Nano Energy*, **2018**, 50, 462-467	17.1	136
213	Rational Architecture Design Enables Superior Na Storage in Greener NASICON-Na4MnV(PO4)3 Cathode. *Advanced Energy Materials*, **2018**, 8, 1801418	21.8	89
212	Synergistic effects of des tabilization, catalysis and nanoconfinement on dehydrogenation of LiBH4. *International Journal of Hydrogen Energy*, **2017**, 42, 1354-1360	6.7	9
211	Core-shell Ni3N@Nitrogen-doped carbon: Synthesis and application in MgH2. *Journal of Alloys and Compounds*, **2017**, 703, 381-388	5.7	31
210	Electrospun NaVPO4F/C Nanofibers as Self-Standing Cathode Material for Ultralong Cycle Life Na-Ion Batteries. *Advanced Energy Materials*, **2017**, 7, 1700087	21.8	150
209	Research and application progress on key materials for sodium-ion batteries. *Sustainable Energy and Fuels*, **2017**, 1, 986-1006	5.8	55
208	Encapsulating sulfur in □MnO2 at room temperature for Li-S battery cathode. *Energy Storage Materials*, **2017**, 9, 78-84	19.4	69
207	Controllable N-Doped CuCo O @C Film as a Self-Supported Anode for Ultrastable Sodium-Ion Batteries. *Small*, **2017**, 13, 1700873	11	56
206	Hydrogen storage behavior of LiBH4 improved by the confinement of hierarchical porous ZnO/ZnCo2O4 nanoparticles. *Journal of Power Sources*, **2017**, 359, 134-141	8.9	18

205	Graphene highly scattered in porous carbon nanofibers: a binder-free and high-performance anode for sodium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 1698-1705	13	75
204	A Foolproof Method to Fabricate Integrated Electrodes with 3D Conductive Networks: A Case Study of MnOx@C-Cu as Li-Ion Battery Anode. *Advanced Materials Technologies*, **2017**, 2, 1600221	6.8	15
203	Facile synthesis of hierarchical nanocage MnCo 2 O 4 for high performance supercapacitor. *Electrochimica Acta*, **2017**, 225, 39-46	6.7	81
202	Enhanced dehydrogenation performance of LiBH4 by confinement in porous NiMnO3 microspheres. *International Journal of Hydrogen Energy*, **2017**, 42, 25824-25830	6.7	6
201	Improved hydrogen storage properties of MgH2 with Ni-based compounds. *International Journal of Hydrogen Energy*, **2017**, 42, 24247-24255	6.7	59
200	Mesoporous Co@N-rich carbon hybrids for a high rate aqueous alkaline battery. *Electrochimica Acta* , **2017**, 250, 135-142	6.7	7
199	Red phosphorus nanoparticles embedded in porous N-doped carbon nanofibers as high-performance anode for sodium-ion batteries. *Energy Storage Materials*, **2017**, 9, 170-178	19.4	103
198	Electrospun Thin-Walled CuCoO@C Nanotubes as Bifunctional Oxygen Electrocatalysts for Rechargeable Zn-Air Batteries. *Nano Letters*, **2017**, 17, 7989-7994	11.5	152
197	Recent progress in conversion reaction metal oxide anodes for Li-ion batteries. *Materials Chemistry Frontiers*, **2017**, 1, 2213-2242	7.8	196
196	Excellent sodium storage performance of carbon-coated TiO2: Assisted with electrostatic interaction of surfactants. *Journal of Power Sources*, **2017**, 361, 326-333	8.9	22
195	Graphene intercalated in graphene-like MoS2: A promising cathode for rechargeable Mg batteries. *Journal of Power Sources*, **2017**, 340, 104-110	8.9	54
194	In situ preparation of nanocrystalline Ni@C and its effect on hydrogen storage properties of MgH2. *International Journal of Hydrogen Energy*, **2016**, 41, 18121-18129	6.7	33
193	FeMnO: a high-performance Li-ion battery anode material. *Chemical Communications*, **2016**, 52, 11414-11417	5.8	30
192	Sodium Ion Batteries: CuO Quantum Dots Embedded in Carbon Nanofibers as Binder-Free Anode for Sodium Ion Batteries with Enhanced Properties (Small 35/2016). *Small*, **2016**, 12, 4776-4776	11	4
191	Nitrogen-doped hierarchically porous carbon derived from ZIF-8 and its improved effect on the dehydrogenation of LiBH4. *International Journal of Hydrogen Energy*, **2016**, 41, 17175-17182	6.7	18
190	Design, synthesis, and energy-related applications of metal sulfides. *Materials Horizons*, **2016**, 3, 402-421	14.4	190
189	Facile synthesis of diverse transition metal oxide nanoparticles and electrochemical properties. *Inorganic Chemistry Frontiers*, **2016**, 3, 1048-1057	6.8	19
188	Controllable synthesis of Cu-doped CoO hierarchical structure for high performance lithium-ion battery. *Journal of Power Sources*, **2016**, 314, 66-75	8.9	56

187	3D hierarchical porous ZnO/ZnCo2O4 nanosheets as high-rate anode material for lithium-ion batteries. *Journal of Materials Chemistry A*, **2016**, 4, 6042-6047	13	81
186	Facile Synthesis and High Capacitive Performance of 3D Hierarchical Ni(OH)2 Microspheres. *Electrochimica Acta*, **2016**, 196, 84-91	6.7	38
185	CuO Quantum Dots Embedded in Carbon Nanofibers as Binder-Free Anode for Sodium Ion Batteries with Enhanced Properties. *Small*, **2016**, 12, 4865-4872	11	82
184	Na2 Ti6 O13 Nanorods with Dominant Large Interlayer Spacing Exposed Facet for High-Performance Na-Ion Batteries. *Small*, **2016**, 12, 2991-7	11	65
183	Mesoporous Ni@C hybrids for a high energy aqueous asymmetric supercapacitor device. *Journal of Materials Chemistry A*, **2016**, 4, 9670-9676	13	24
182	MnFe2O4@C Nanofibers as High-Performance Anode for Sodium-Ion Batteries. *Nano Letters*, **2016**, 16, 3321-8	11.5	283
181	Rapid synthesis of three-dimensional network structure CuO as binder-free anode for high-rate sodium ion battery. *Journal of Power Sources*, **2016**, 320, 20-27	8.9	40
180	Enhanced hydrogen storage performance of MgH2Ni2P/graphene nanosheets. *International Journal of Hydrogen Energy*, **2016**, 41, 17000-17007	6.7	33
179	Reconstruction of Mini-Hollow Polyhedron MnO Derived from MOFs as a High-Performance Lithium Anode Material. *Advanced Science*, **2016**, 3, 1500185	13.6	70
178	Energy Storage: Ultrasmall Sn Nanoparticles Embedded in Carbon as High-Performance Anode for Sodium-Ion Batteries (Adv. Funct. Mater. 2/2015). *Advanced Functional Materials*, **2015**, 25, 340-340	15.6	3
177	Ultra-High Capacity Lithium-Ion Batteries with Hierarchical CoO Nanowire Clusters as Binder Free Electrodes. *Advanced Functional Materials*, **2015**, 25, 1082-1089	15.6	222
176	Facile fabrication and supercapacitive properties of mesoporous zinc cobaltite microspheres. *Journal of Power Sources*, **2015**, 284, 138-145	8.9	53
175	Facile synthesis of Cu@CoNi core-shell nanoparticles composites for the catalytic hydrolysis of ammonia borane. *International Journal of Hydrogen Energy*, **2015**, 40, 12253-12261	6.7	27
174	Update on anode materials for Na-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 17899-17913	13	341
173	NaV3O8 nanosheet@polypyrrole core-shell composites with good electrochemical performance as cathodes for Na-ion batteries. *Nanoscale*, **2015**, 7, 9261-7	7.7	33
172	Ultrasmall TiO2 Nanoparticles in Situ Growth on Graphene Hybrid as Superior Anode Material for Sodium/Lithium Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 11239-45	9.5	125
171	Catalytic effects of different Ti-based materials on dehydrogenation performances of MgH2. *Journal of Alloys and Compounds*, **2015**, 645, S509-S512	5.7	46
170	Hierarchical Co@C Nanoflowers: Synthesis and Electrochemical Properties as an Advanced Negative Material for Alkaline Secondary Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 23978-83	9.5	13

169	Facile synthesis of nanocage Co3O4 for advanced lithium-ion batteries. *Journal of Power Sources*, **2015**, 298, 203-208	8.9	80
168	Electrochemical performances of cobalt oxide□arbon nanotubes electrodes via different methods as negative material for alkaline rechargeable batteries. *RSC Advances*, **2015**, 5, 73410-73415	3.7	2
167	Facile synthesis of hierarchical porous ZnCo2O4 microspheres for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 982-985	13	120
166	Copper-doped dual phase Li4Ti5O12-TiO2 nanosheets as high-rate and long cycle life anodes for high-power lithium-ion batteries. *ChemSusChem*, **2015**, 8, 114-22	8.3	98
165	Ni**B**-doped NaAlH4 hydrogen storage materials prepared by a facile two-step synthesis method. *Rare Metals*, **2015**, 34, 679-682	5.5	10
164	3D Hierarchical Porous □Fe2O3 Nanosheets for High-Performance Lithium-Ion Batteries. *Advanced Energy Materials*, **2015**, 5, 1401421	21.8	267
163	Exfoliated-SnS□restacked on graphene as a high-capacity, high-rate, and long-cycle life anode for sodium ion batteries. *Nanoscale*, **2015**, 7, 1325-32	7.7	229
162	WS2 Nanowires as a High-Performance Anode for Sodium-Ion Batteries. *Chemistry - A European Journal*, **2015**, 21, 11878-84	4.8	135
161	Tin Nanodots Encapsulated in Porous Nitrogen-Doped Carbon Nanofibers as a Free-Standing Anode for Advanced Sodium-Ion Batteries. *Advanced Materials*, **2015**, 27, 6702-7	24	445
160	Lithium-ion Batteries: 3D Hierarchical Porous □Fe2O3 Nanosheets for High-Performance Lithium-Ion Batteries (Adv. Energy Mater. 4/2015). *Advanced Energy Materials*, **2015**, 5,	21.8	5
159	Novel application of LiCoO2 as a high-performance candidate material for supercapacitor. *Journal of Energy Chemistry*, **2015**, 24, 193-198	12	14
158	Application for Simply Recovered LiCoO2 Material as a High-Performance Candidate for Supercapacitor in Aqueous System. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 2435-2442	8.3	34
157	Improved dehydrogenation performance of LiBH4 by 3D hierarchical flower-like MoS2 spheres additives. *Journal of Power Sources*, **2015**, 300, 358-364	8.9	29
156	Enhanced catalytic effects of Co@C additive on dehydrogenation properties of LiAlH4. *Journal of Alloys and Compounds*, **2015**, 645, S468-S471	5.7	9
155	Ultrasmall Sn Nanoparticles Embedded in Carbon as High-Performance Anode for Sodium-Ion Batteries. *Advanced Functional Materials*, **2015**, 25, 214-220	15.6	443
154	Small amount of reduce graphene oxide modified Li4Ti5O12 nanoparticles for ultrafast high-power lithium ion battery. *Journal of Power Sources*, **2015**, 278, 693-702	8.9	73
153	In situ synthesized one-dimensional porous Ni@C nanorods as catalysts for hydrogen storage properties of MgH2. *Nanoscale*, **2014**, 6, 3223-30	7.7	77
152	Solid-state synthesis of amorphous TiB2 nanoparticles on graphene nanosheets with enhanced catalytic dehydrogenation of MgH2. *International Journal of Hydrogen Energy*, **2014**, 39, 3822-3829	6.7	34

151	A simple solvent method for the recovery of LixCoO2 and its applications in alkaline rechargeable batteries. *Journal of Power Sources*, **2014**, 252, 286-291	8.9	33
150	Synthesis of Cu@FeCo core–shell nanoparticles for the catalytic hydrolysis of ammonia borane. *International Journal of Hydrogen Energy*, **2014**, 39, 436-441	6.7	65
149	Self-assembled FeB nanochains: Facile synthesis, magnetic and electrochemical properties. *Materials Letters*, **2014**, 121, 40-43	3.3	2
148	NbN nanoparticles as additive for the high dehydrogenation properties of LiAlH4. *Dalton Transactions*, **2014**, 43, 1806-13	4.3	20
147	Towards easy reversible dehydrogenation of LiBH4 by catalyzing hierarchic nanostructured CoB. *Nano Energy*, **2014**, 10, 235-244	17.1	40
146	A graphene-like MoS2/graphene nanocomposite as a highperformance anode for lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 13109-13115	13	210
145	Porous NiCo 2 O 4 nanostructures for high performance supercapacitors via a microemulsion technique. *Nano Energy*, **2014**, 10, 125-134	17.1	99
144	Novel three-dimensional NiCo2O4 hierarchitectures: solvothermal synthesis and electrochemical properties. *CrystEngComm*, **2014**, 16, 385-392	3.3	114
143	Facile synthesis of TiN decorated graphene and its enhanced catalytic effects on dehydrogenation performance of magnesium hydride. *Nanoscale*, **2014**, 6, 6684-91	7.7	59
142	Improved dehydrogenation performance of LiBH4 by confinement into porous TiO2 micro-tubes. *Journal of Materials Chemistry A*, **2014**, 2, 9244-9250	13	30
141	Core–shell Co@C catalyzed MgH2: enhanced dehydrogenation properties and its catalytic mechanism. *Journal of Materials Chemistry A*, **2014**, 2, 16285-16291	13	58
140	Synthesis of Cobalt based Complexes and conversion to Co3O4 nanoparticles as a high performance anode for lithium ion battery. *Electrochimica Acta*, **2014**, 145, 34-39	6.7	29
139	Effect of the length and surface area on electrochemical performance of cobalt oxide nanowires for alkaline secondary battery application. *Journal of Power Sources*, **2014**, 272, 703-710	8.9	12
138	Understanding the role of few-layer graphene nanosheets in enhancing the hydrogen sorption kinetics of magnesium hydride. *ACS Applied Materials & Interfaces*, **2014**, 6, 11038-46	9.5	63
137	Facile synthesis route of porous MnCo2O4 and CoMn2O4 nanowires and their excellent electrochemical properties in supercapacitors. *Journal of Materials Chemistry A*, **2014**, 2, 16480-16488	13	239
136	Destabilization effects of Mg(AlH 4) 2 on MgH 2 : Improved desorption performances and its reaction mechanism. *International Journal of Hydrogen Energy*, **2014**, 39, 17747-17753	6.7	13
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