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413 papers	20,101 citations	80 h-index	118 g-index
426 ext. papers	24,084 ext. citations	9.9 avg, IF	7.35 L-index

#	Paper	IF	Citations
4 ¹³	MoSe ₂ -Covered N,P-Doped Carbon Nanosheets as a Long-Life and High-Rate Anode Material for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2017 , 27, 1700522	15.6	353
4 ¹²	Double-Walled Sb@TiO ₂ -x Nanotubes as a Superior High-Rate and Ultralong-Lifespan Anode Material for Na-Ion and Li-Ion Batteries. <i>Advanced Materials</i> , 2016 , 28, 4126-33	24	340
4 ¹¹	Unusual Formation of ZnCo ₂ O ₄ 3D Hierarchical Twin Microspheres as a High-Rate and Ultralong-Life Lithium-Ion Battery Anode Material. <i>Advanced Functional Materials</i> , 2014 , 24, 3012-3020	15.6	330
4 ¹⁰	Embedding MnO@Mn O Nanoparticles in an N-Doped-Carbon Framework Derived from Mn-Organic Clusters for Efficient Lithium Storage. <i>Advanced Materials</i> , 2018 , 30, 1704244	24	280
4 ⁰⁹	One-pot hydrothermal synthesis of Nitrogen-doped graphene as high-performance anode materials for lithium ion batteries. <i>Scientific Reports</i> , 2016 , 6, 26146	4.9	257
4 ⁰⁸	Deciphering the Modulation Essence of p Bands in Co-Based Compounds on Li-S Chemistry. <i>Joule</i> , 2018 , 2, 2681-2693	27.8	241
4 ⁰⁷	One-Dimensional Arrays of Co ₃ O ₄ Nanoparticles: Synthesis, Characterization, and Optical and Electrochemical Properties. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 16401-16404	3.4	227
4 ⁰⁶	One-step hydrothermal synthesis of ZnFe ₂ O ₄ nano-octahedrons as a high capacity anode material for Li-ion batteries. <i>Nano Research</i> , 2012 , 5, 477-485	10	224
4 ⁰⁵	Direct Synthesis of Few-Layer F-Doped Graphene Foam and Its Lithium/Potassium Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 20682-90	9.5	223
4 ⁰⁴	Tuning orbital orientation endows molybdenum disulfide with exceptional alkaline hydrogen evolution capability. <i>Nature Communications</i> , 2019 , 10, 1217	17.4	218
4 ⁰³	Flexible and Free-Standing TiCT MXene@Zn Paper for Dendrite-Free Aqueous Zinc Metal Batteries and Nonaqueous Lithium Metal Batteries. <i>ACS Nano</i> , 2019 , 13, 11676-11685	16.7	213
4 ⁰²	Synthesis of closed PbS nanowires with regular geometric morphologies. <i>Journal of Materials Chemistry</i> , 2002 , 12, 403-405		198
4 ⁰¹	Green, Scalable, and Controllable Fabrication of Nanoporous Silicon from Commercial Alloy Precursors for High-Energy Lithium-Ion Batteries. <i>ACS Nano</i> , 2018 , 12, 4993-5002	16.7	193
4 ⁰⁰	Hierarchical Porous Nanosheets Constructed by Graphene-Coated, Interconnected TiO Nanoparticles for Ultrafast Sodium Storage. <i>Advanced Materials</i> , 2018 , 30, 1705788	24	191
399	General synthesis of hollow MnO ₂ , Mn ₃ O ₄ and MnO nanospheres as superior anode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17421-17426	13	189
398	Surfactant widens the electrochemical window of an aqueous electrolyte for better rechargeable aqueous sodium/zinc battery. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 730-738	13	187
397	Synthesis of rod-, twinrod-, and tetrapod-shaped CdS nanocrystals using a highly oriented solvothermal recrystallization technique. <i>Journal of Materials Chemistry</i> , 2002 , 12, 748-753		181

396	Wet-Chemical Synthesis of Hollow Red-Phosphorus Nanospheres with Porous Shells as Anodes for High-Performance Lithium-Ion and Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017 , 29, 1700214	24	175
395	Conductive Nanocrystalline Niobium Carbide as High-Efficiency Polysulfides Tamer for Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1704865	15.6	173
394	Coaxial MnO/N-doped carbon nanorods for advanced lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1037-1041	13	172
393	Controlled Growth of Porous Fe ₂ O ₃ Branches on MnO ₂ Nanorods for Excellent Performance in Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2013 , 23, 4049-4056	15.6	168
392	Micron-Sized Nanoporous Antimony with Tunable Porosity for High-Performance Potassium-Ion Batteries. <i>ACS Nano</i> , 2018 , 12, 12932-12940	16.7	167
391	Vacuum distillation derived 3D porous current collector for stable lithium-metal batteries. <i>Nano Energy</i> , 2018 , 47, 503-511	17.1	165
390	Synthesis of MoS ₂ @C Nanotubes Via the Kirkendall Effect with Enhanced Electrochemical Performance for Lithium Ion and Sodium Ion Batteries. <i>Small</i> , 2016 , 12, 2484-91	11	164
389	Hierarchical Carbon Nanotubes with a Thick Microporous Wall and Inner Channel as Efficient Scaffolds for Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 1571-1579	15.6	162
388	Sole Chemical Confinement of Polysulfides on Nonporous Nitrogen/Oxygen Dual-Doped Carbon at the Kilogram Scale for Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2017 , 27, 1604265	15.6	157
387	Few layer nitrogen-doped graphene with highly reversible potassium storage. <i>Energy Storage Materials</i> , 2018 , 11, 38-46	19.4	155
386	A low temperature molten salt process for aluminothermic reduction of silicon oxides to crystalline Si for Li-ion batteries. <i>Energy and Environmental Science</i> , 2015 , 8, 3187-3191	35.4	152
385	Study of the Raman spectrum of nanometer SnO ₂ . <i>Journal of Applied Physics</i> , 1994 , 75, 1835-1836	2.5	151
384	An aqueous rechargeable sodium ion battery based on a NaMnO ₂ /NaTi ₂ (PO ₄) ₃ hybrid system for stationary energy storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1400-1404	13	150
383	Solution-Phase Synthesis of Single-Crystal CuO Nanoribbons and Nanorings. <i>Crystal Growth and Design</i> , 2007 , 7, 930-934	3.5	140
382	Simple synthesis of yolk-shelled ZnCo ₂ O ₄ microspheres towards enhancing the electrochemical performance of lithium-ion batteries in conjunction with a sodium carboxymethyl cellulose binder. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 15292	13	138
381	Preparation of nanocrystalline silicon from SiCl ₄ at 200 °C in molten salt for high-performance anodes for lithium ion batteries. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3822-5	16.4	138
380	Amorphous S-rich Si _{1-x} Se _x /C (x 0.1) composites promise better lithium-sulfur batteries in a carbonate-based electrolyte. <i>Energy and Environmental Science</i> , 2015 , 8, 3181-3186	35.4	133
379	Metastable MnS Crystallites through Solvothermal Synthesis. <i>Chemistry of Materials</i> , 2001 , 13, 2169-2173	2.6	132

- 378 In-situ rooting ZnSe/N-doped hollow carbon architectures as high-rate and long-life anode materials for half/full sodium-ion and potassium-ion batteries. *Energy Storage Materials*, **2019**, 23, 35-45^{19.4} 129
- 377 Spinel Mn_{1.5}Co_{1.5}O₄ core-shell microspheres as Li-ion battery anode materials with a long cycle life and high capacity. *Journal of Materials Chemistry*, **2012**, 22, 23254 129
- 376 Synthesis, Characterization, and Growth Mechanism of Tellurium Nanotubes. *Crystal Growth and Design*, **2005**, 5, 325-328 3.5 126
- 375 Mesoporous NiO ultrathin nanowire networks topotactically transformed from Ni(OH)₂ hierarchical microspheres and their superior electrochemical capacitance properties and excellent capability for water treatment. *Journal of Materials Chemistry*, **2012**, 22, 14276 124
- 374 High-Yield Synthesis of NiO Nanoplatelets and Their Excellent Electrochemical Performance. *Crystal Growth and Design*, **2006**, 6, 2163-2165 3.5 124
- 373 Lithium-Assisted Synthesis and Characterization of Crystalline 3C SiC Nanobelts. *Journal of Physical Chemistry B*, **2004**, 108, 20102-20104 3.4 124
- 372 Sandwich-like Ni₂P nanoarray/nitrogen-doped graphene nanoarchitecture as a high-performance anode for sodium and lithium ion batteries. *Energy Storage Materials*, **2018**, 15, 234-241 19.4 122
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- 370 Nanoporous germanium as high-capacity lithium-ion battery anode. *Nano Energy*, **2015**, 13, 651-657 17.1 114
- 369 In Situ Revealing the Electroactivity of P=O and P-C Bonds in Hard Carbon for High-Capacity and Long-Life Li/K-Ion Batteries. *Advanced Energy Materials*, **2019**, 9, 1901676 21.8 114
- 368 Boosting Water Dissociation Kinetics on Pt-Ni Nanowires by N-Induced Orbital Tuning. *Advanced Materials*, **2019**, 31, e1807780 24 113
- 367 Mesoporous NiO with various hierarchical nanostructures by quasi-nanotubes/nanowires/nanorods self-assembly: controllable preparation and application in supercapacitors. *CrystEngComm*, **2011**, 13, 626-632 3.3 113
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- 360 Hydrothermal Synthesis of Unique Hollow Hexagonal Prismatic Pencils of $\text{Co}_3\text{V}_2\text{O}_8 \cdot n\text{H}_2\text{O}$: A New Anode Material for Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2015**, 54, 10787-91 16.4 104
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- 358 Synthesis of $\text{MnO}@C$ core-shell nanoplates with controllable shell thickness and their electrochemical performance for lithium-ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 17864 102
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- 354 Boosting Zinc-Ion Storage Capability by Effectively Suppressing Vanadium Dissolution Based on Robust Layered Barium Vanadate. *Nano Letters*, **2020**, 20, 2899-2906 11.5 97
- 353 Manipulating the Redox Kinetics of LiS Chemistry by Tellurium Doping for Improved LiS Batteries. *ACS Energy Letters*, **2018**, 3, 420-427 20.1 94
- 352 Bulk $\text{Ti}_2\text{Nb}_{10}\text{O}_{29}$ as long-life and high-power Li-ion battery anodes. *Journal of Materials Chemistry A*, **2014**, 2, 17258-17262 13 94
- 351 A New Salt-Baked Approach for Confining Selenium in Metal Complex-Derived Porous Carbon with Superior Lithium Storage Properties. *Advanced Functional Materials*, **2015**, 25, 5229-5238 15.6 94
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- 343 Fabrication of $\text{MnO}_2/\text{MnO}_2$ hollow core/shell structures and their application to water treatment. *Journal of Materials Chemistry*, **2011**, 21, 16210 87

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323	Mesoporous quasi-single-crystalline NiCo ₂ O ₄ superlattice nanoribbons with optimizable lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10336-10344	13	70
322	Sb nanoparticles uniformly dispersed in 1-D N-doped porous carbon as anodes for Li-ion and Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12144-12148	13	68
321	One-Dimensional Yolk-Shell Sb@Ti-O-P Nanostructures as a High-Capacity and High-Rate Anode Material for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 447-454	9.5	68
320	Rechargeable aqueous hybrid ion batteries: developments and prospects. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18708-18734	13	68
319	Facile synthesis of hierarchically porous NiO micro-tubes as advanced anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16847-16850	13	68
318	MnO@1-D carbon composites from the precursor C ₄ H ₄ MnO ₆ and their high-performance in lithium batteries. <i>RSC Advances</i> , 2013 , 3, 10001	3.7	66
317	Rational fabrication of CoS ₂ /Co ₄ S ₃ @N-doped carbon microspheres as excellent cycling performance anode for half/full sodium ion batteries. <i>Energy Storage Materials</i> , 2020 , 25, 679-686	19.4	66
316	Low-Temperature Synthesis of Nanocrystalline Titanium Nitride via a Benzene Thermal Route. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 430-432	3.8	65
315	Single-step synthesis of copper sulfide hollow spheres by a template interface reaction route. <i>Journal of Materials Chemistry</i> , 2004 , 14, 2489		65
314	Triple-walled SnO ₂ @N-doped carbon@SnO ₂ nanotubes as an advanced anode material for lithium and sodium storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23194-23200	13	64
313	Solid-Solution Anion-Enhanced Electrochemical Performances of Metal Sulfides/Selenides for Sodium-Ion Capacitors: The Case of FeSSe. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10945-10954	9.5	63
312	Facile synthesis of nanocrystalline-assembled bundle-like CuO nanostructure with high rate capacities and enhanced cycling stability as an anode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 11297		63
311	Uniform Li deposition by regulating the initial nucleation barrier via a simple liquid-metal coating for a dendrite-free Li metal anode. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18861-18870	13	62
310	Hydrothermal Synthesis and Electrochemical Properties of Urchin-Like Core-Shell Copper Oxide Nanostructures. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 9645-9650	3.8	62
309	Micron-Sized Nanoporous Vanadium Pentoxide Arrays for High-Performance Gel Zinc-Ion Batteries and Potassium Batteries. <i>Chemistry of Materials</i> , 2020 , 32, 4054-4064	9.6	62
308	Honeycomb-like Macro-Germanium as High-Capacity Anodes for Lithium-Ion Batteries with Good Cycling and Rate Performance. <i>Chemistry of Materials</i> , 2015 , 27, 4156-4164	9.6	61
307	Synthesis of Co ₂ SnO ₄ hollow cubes encapsulated in graphene as high capacity anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2728	13	61

306	NaTi ₂ (PO ₄) ₃ Solid-State Electrolyte Protection Layer on Zn Metal Anode for Superior Long-Life Aqueous Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 2004885	15.6	61
305	Manipulating the water dissociation kinetics of Ni ₃ N nanosheets via in situ interfacial engineering. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10924-10929	13	60
304	A Facile Method for Synthesis of Porous NiCo ₂ O ₄ Nanorods as a High-Performance Anode Material for Li-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 1012-1019	3.1	60
303	Layered-Structure SbPO/Reduced Graphene Oxide: An Advanced Anode Material for Sodium Ion Batteries. <i>ACS Nano</i> , 2018 , 12, 12869-12878	16.7	60
302	One-step thermolysis synthesis of two-dimensional ultrafine Fe ₃ O ₄ particles/carbon nanonetworks for high-performance lithium-ion batteries. <i>Nanoscale</i> , 2016 , 8, 4733-41	7.7	59
301	Water-Induced Growth of a Highly Oriented Mesoporous Graphitic Carbon Nanospring for Fast Potassium-Ion Adsorption/Intercalation Storage. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18108-18115	16.4	59
300	Acetylacetone-Directed Controllable Synthesis of Bi ₂ S ₃ Nanostructures with Tunable Morphology. <i>Crystal Growth and Design</i> , 2009 , 9, 3862-3867	3.5	59
299	Double-Source Approach to In ₂ S ₃ Single Crystallites and Their Electrochemical Properties. <i>Crystal Growth and Design</i> , 2006 , 6, 1304-1307	3.5	59
298	Hierarchical Graphene-Scaffolded Silicon/Graphite Composites as High Performance Anodes for Lithium-Ion Batteries. <i>Small</i> , 2018 , 14, e1802457	11	59
297	A potential pyrrhotite (Fe ₇ S ₈) anode material for lithium storage. <i>RSC Advances</i> , 2015 , 5, 14828-14831	3.7	58
296	A comparative study of lithium-storage performances of hematite: Nanotubes vs. nanorods. <i>Journal of Power Sources</i> , 2014 , 245, 429-435	8.9	58
295	Synthesis, characterization and application of carbon nanocages as anode materials for high-performance lithium-ion batteries. <i>RSC Advances</i> , 2012 , 2, 284-291	3.7	58
294	Recent Advances of Emerging 2D MXene for Stable and Dendrite-Free Metal Anodes. <i>Advanced Functional Materials</i> , 2020 , 30, 2004613	15.6	58
293	Isotropic Li nucleation and growth achieved by an amorphous liquid metal nucleation seed on MXene framework for dendrite-free Li metal anode. <i>Energy Storage Materials</i> , 2020 , 26, 223-233	19.4	57
292	Stabilizing antimony nanocrystals within ultrathin carbon nanosheets for high-performance K-ion storage. <i>Energy Storage Materials</i> , 2019 , 20, 46-54	19.4	57
291	Ultrathin mesoporous F-doped Ni(OH) ₂ nanosheets as an efficient electrode material for water splitting and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9656-9664	13	56
290	Synchronous synthesis of Kirkendall effect induced hollow FeSe/C nanospheres as anodes for high performance sodium ion batteries. <i>Chemical Communications</i> , 2018 , 54, 5704-5707	5.8	55
289	Hierarchical core-shell Fe ₂ O ₃ @C nanotubes as a high-rate and long-life anode for advanced lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3439-3444	13	55

288	Layer structured FeSe : A potential anode material for lithium storage. <i>Electrochemistry Communications</i> , 2014 , 38, 124-127	5.1	54
287	Large-Scale Synthesis of High Quality Trigonal Selenium Nanowires. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 3250-3255	2.3	54
286	Simple synthesis of a porous $\text{Sb/Sb}_2\text{O}_3$ nanocomposite for a high-capacity anode material in Na-ion batteries. <i>Nano Research</i> , 2017 , 10, 1794-1803	10	53
285	Biphase-Interface Enhanced Sodium Storage and Accelerated Charge Transfer: Flower-Like Anatase/Bronze TiO_2/C as an Advanced Anode Material for Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43648-43656	9.5	53
284	B,N-Co-doped Graphene Supported Sulfur for Superior Stable Li-S Half Cell and Ge-S Full Battery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27679-27687	9.5	53
283	Recent Advances and Perspectives of Zn-Metal Free Rocking-Chair Type Zn-Ion Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2002529	21.8	52
282	Optimization of Microporous Carbon Structures for Lithium-Sulfur Battery Applications in Carbonate-Based Electrolyte. <i>Small</i> , 2017 , 13, 1603533	11	51
281	Ultramicroporous Carbon through an Activation-Free Approach for Li-S and Na-S Batteries in Carbonate-Based Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13813-13818	9.5	51
280	Hydrothermal synthesis of nano-silicon from a silica sol and its use in lithium ion batteries. <i>Nano Research</i> , 2015 , 8, 1497-1504	10	51
279	Selected-Control Solvothermal Synthesis of Nanoscale Hollow Spheres and Single-Crystal Tubes of PbTe . <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 4521-4524	2.3	51
278	A Co-pyrolysis Method to Boron Nitride Nanotubes at Relative Low Temperature. <i>Chemistry of Materials</i> , 2003 , 15, 2675-2680	9.6	51
277	Coral-like NiCo_2S_4 for Na-ion battery with ultralong cycle life and ultrahigh rate capability. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3933-3940	13	50
276	Heteroatom-doped 3D porous carbon architectures for highly stable aqueous zinc metal batteries and non-aqueous lithium metal batteries. <i>Chemical Engineering Journal</i> , 2020 , 400, 125843	14.7	50
275	Selective synthesis and characterization of famatinite nanofibers and tetrahedrite nanoflakes. <i>Journal of Materials Chemistry</i> , 2003 , 13, 301-303		50
274	Na-birnessite with high capacity and long cycle life for rechargeable aqueous sodium-ion battery cathode electrodes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 856-860	13	49
273	Lithium phosphide/lithium chloride coating on lithium for advanced lithium metal anode. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15859-15867	13	49
272	One pot synthesis of ultrathin boron nitride nanosheet-supported nanoscale zerovalent iron for rapid debromination of polybrominated diphenyl ethers. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6379	13	49
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