Yitai Qian

List of Publications by Year in Descending Order

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
413	Cation-Dependent Hydrogel Template-Activation Strategy: Constructing 3D Anode and High Specific Surface Cathode for Dual-Carbon Potassium-Ion Hybrid Capacitor.. *Small*, **2022**, e2106712	11	2
412	One-Step, Vacuum-Assisted Construction of Micrometer-Sized Nanoporous Silicon Confined by Uniform Two-Dimensional N-Doped Carbon toward Advanced Li Ion and MXene-Based Li Metal Batteries.. *ACS Nano*, **2022**,	16.7	5
411	Space-confined growth of Bi2Se3 nanosheets encapsulated in N-doped carbon shell lollipop-like composite for full/half potassium-ion and lithium-ion batteries. *Nano Today*, **2022**, 43, 101408	17.9	3
410	Site-Selective Adsorption on ZnF/Ag Coated Zn for Advanced Aqueous Zinc-Metal Batteries at Low Temperature.. *Nano Letters*, **2022**,	11.5	17
409	Iron Selenide-Based Heterojunction Construction and Defect Engineering for Fast Potassium/Sodium-Ion Storage.. *Small*, **2022**, e2107252	11	3
408	Controlled Tin Oxide Nanoparticles Encapsulated in N-Doped Carbon Nanofibers for Superior Lithium-Ion Storage. *ACS Applied Energy Materials*, **2022**, 5, 1840-1848	6.1	1
407	Highly reversible Mg metal anodes enabled by interfacial liquid metal engineering for high-energy Mg-S batteries. *Energy Storage Materials*, **2022**, 48, 447-457	19.4	5
406	Highly reversible and safe lithium metal batteries enabled by Non-flammable All-fluorinated carbonate electrolyte conjugated with 3D flexible MXene-based lithium anode. *Chemical Engineering Journal*, **2022**, 440, 135818	14.7	3
405	MXenes and their derivatives for advanced aqueous rechargeable batteries. *Materials Today*, **2021**,	21.8	5
404	Rational Design of Tungsten Selenide @ N-Doped Carbon Nanotube for High-Stable Potassium-Ion Batteries. *Small*, **2021**, e2104363	11	5
403	A large format aqueous rechargeable LiMn2O4/Zn battery with high energy density and long cycle life. *Science China Materials*, **2021**, 64, 783-788	7.1	6
402	Applications of MoS2 in Li□O2 Batteries: Development and Challenges. *Energy & Fuels*, **2021**, 35, 5613-5626	4.1	8
401	Dandelion-Like Bi2S3/rGO hierarchical microspheres as high-performance anodes for potassium-ion and half/full sodium-ion batteries. *Nano Research*, **2021**, 14, 4696	10	15
400	Dealloying: An effective method for scalable fabrication of 0D, 1D, 2D, 3D materials and its application in energy storage. *Nano Today*, **2021**, 37, 101094	17.9	27
399	Molten Salt Derived Graphene-Like Carbon Nanosheets Wrapped SiOx/Carbon Submicrospheres with Enhanced Lithium Storage□ *Chinese Journal of Chemistry*, **2021**, 39, 1233-1239	4.9	2
398	Hydrothermal □Disproportionation□of Biomass into Oriented Carbon Microsphere Anode and 3D Porous Carbon Cathode for Potassium Ion Hybrid Capacitor. *Advanced Functional Materials*, **2021**, 31, 2103115	15.6	12
397	Revealing Quasi-1D Volume Expansion in Na-/K-Ion Battery Anodes: A Case Study of Sb 2 O 3 Microbelts. *CCS Chemistry*, **2021**, 3, 1306-1315	7.2	7

396	Stable Aqueous Anode-Free Zinc Batteries Enabled by Interfacial Engineering. *Advanced Functional Materials*, **2021**, 31, 2101886	15.6	46
395	High-Voltage and Super-Stable Aqueous Sodium-Zinc Hybrid Ion Batteries Enabled by Double Solvation Structures in Concentrated Electrolyte.. *Small Methods*, **2021**, 5, e2100418	12.8	3
394	Coordinatively and Spatially Coconfining High-Loading Atomic Sb in Sulfur-Rich 2D Carbon Matrix for Fast K+ Diffusion and Storage **2021**, 3, 790-798		1
393	Design of safe, long-cycling and high-energy lithium metal anodes in all working conditions: Progress, challenges and perspectives. *Energy Storage Materials*, **2021**, 38, 157-189	19.4	17
392	Scalable and Controllable Synthesis of Interface-Engineered Nanoporous Host for Dendrite-Free and High Rate Zinc Metal Batteries. *ACS Nano*, **2021**,	16.7	39
391	Stable and dendrite-free lithium metal anodes enabled by carbon paper incorporated with ultrafine lithiophilic TiO2 derived from MXene and carbon dioxide. *Chemical Engineering Journal*, **2021**, 406, 126836	14.7	27
390	Improved Na storage and Coulombic efficiency in TiP2O7@C microflowers for sodium ion batteries. *Nano Research*, **2021**, 14, 139-147	10	3
389	Interfacial passivation by room-temperature liquid metal enabling stable 5 V-class lithium-metal batteries in commercial carbonate-based electrolyte. *Energy Storage Materials*, **2021**, 34, 12-21	19.4	42
388	2D interspace confined growth of ultrathin MoS2-intercalated graphite hetero-layers for high-rate Li/K storage. *Nano Research*, **2021**, 14, 1061-1068	10	10
387	Revealing the Double-Edged Behaviors of Heteroatom Sulfur in Carbonaceous Materials for Balancing K-Storage Capacity and Stability. *Advanced Functional Materials*, **2021**, 31, 2006875	15.6	16
386	Recent Advances and Perspectives of Zn-Metal Free Rocking-Chair Type Zn-Ion Batteries. *Advanced Energy Materials*, **2021**, 11, 2002529	21.8	52
385	Quantum-Matter Bi/TiO2 Heterostructure Embedded in N-Doped Porous Carbon Nanosheets for Enhanced Sodium Storage. *Small Structures*, **2021**, 2, 2000085	8.7	40
384	Hierarchical interlayer-expanded MoSe2/NC nanorods for high-rate and long-life sodium and potassium-ion batteries. *Inorganic Chemistry Frontiers*, **2021**, 8, 1271-1278	6.8	4
383	Carbon coated SiO nanoparticles embedded in hierarchical porous N-doped carbon nanosheets for enhanced lithium storage. *Inorganic Chemistry Frontiers*, **2021**, 8, 4282-4290	6.8	4
382	Yolk-shell structured CoSe/C nanospheres as multifunctional anode materials for both full/half sodium-ion and full/half potassium-ion batteries. *Nanoscale*, **2021**, 13, 10385-10392	7.7	10
381	An aqueous rechargeable lithium ion battery with long cycle life and overcharge self-protection. *Materials Chemistry Frontiers*, **2021**, 5, 2749-2757	7.8	2
380	Rocking Chair Batteries: Recent Advances and Perspectives of Zn-Metal Free Rocking-Chair Type Zn-Ion Batteries (Adv. Energy Mater. 5/2021). *Advanced Energy Materials*, **2021**, 11, 2170023	21.8	2
379	Construction and electrochemical mechanism investigation of hierarchical core shell like composite as high performance anode for potassium ion batteries. *Nano Research*, **2021**, 14, 3552-3561	10	8

378	Rational Design of Sulfur-Doped Three-Dimensional TiCT MXene/ZnS Heterostructure as Multifunctional Protective Layer for Dendrite-Free Zinc-Ion Batteries. *ACS Nano*, **2021**, 15, 15259-15273	16.7	37
377	Covalent Organic Frameworks and Their Derivatives for Better Metal Anodes in Rechargeable Batteries. *ACS Nano*, **2021**,	16.7	27
376	Reversible zinc-based anodes enabled by zincophilic antimony engineered MXene for stable and dendrite-free aqueous zinc batteries. *Energy Storage Materials*, **2021**, 41, 343-353	19.4	36
375	Regulating polysulfide intermediates by ultrathin Co-Bi nanosheet electrocatalyst in lithium–sulfur batteries. *Nano Today*, **2021**, 40, 101246	17.9	15
374	Ultra-long-life and highly reversible Zn metal anodes enabled by a desolvation and deanionization interface layer. *Energy and Environmental Science*, **2021**, 14, 3120-3129	35.4	80
373	Chemical Buffer Layer Enabled Highly Reversible Zn Anode for Deeply Discharging and Long-Life Zn-Air Battery.. *Small*, **2021**, e2106604	11	1
372	Chemical fixation of CO2 on activated Si: Producing graphitic carbon-stabilized Si particles for Li-storage. *Energy Storage Materials*, **2020**, 31, 36-43	19.4	4
371	N-Doped carbon nanotubes decorated with Fe/Ni sites to stabilize lithium metal anodes. *Inorganic Chemistry Frontiers*, **2020**, 7, 2747-2752	6.8	2
370	A High-Energy and Long-Life Aqueous Zn/Birnessite Battery via Reversible Water and Zn Coinsertion. *Small*, **2020**, 16, e2001228	11	38
369	Heteroatom-doped 3D porous carbon architectures for highly stable aqueous zinc metal batteries and non-aqueous lithium metal batteries. *Chemical Engineering Journal*, **2020**, 400, 125843	14.7	50
368	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
367	Hierarchical Fusiform Microrods Constructed by Parallelly Arranged Nanoplatelets of LiCoO Material with Ultrahigh Rate Performance. *ACS Applied Materials & Interfaces*, **2020**, 12, 17376-17384	9.5	3
366	Promoting spherical epitaxial deposition of solid sulfides for high-capacity Li–S batteries. *Journal of Materials Chemistry A*, **2020**, 8, 7100-7108	13	5
365	Conductive cobalt doped niobium nitride porous spheres as an efficient polysulfide convertor for advanced lithium-sulfur batteries. *Journal of Materials Chemistry A*, **2020**, 8, 6276-6282	13	38
364	Electrolyte solvation structure manipulation enables safe and stable aqueous sodium ion batteries. *Journal of Materials Chemistry A*, **2020**, 8, 14190-14197	13	18
363	Dual taming of polysufides by phosphorus-doped carbon for improving electrochemical performances of lithium–sulfur battery. *Electrochimica Acta*, **2020**, 354, 136648	6.7	26
362	Nanoporous Si@Carbon: Porosity- and Graphitization-Controlled Fabrication of Nanoporous Silicon@Carbon for Lithium Storage and Its Conjugation with MXene for Lithium-Metal Anode (Adv. Funct. Mater. 9/2020). *Advanced Functional Materials*, **2020**, 30, 2070058	15.6	1
361	Carbon-coated mesoporous Co9S8 nanoparticles on reduced graphene oxide as a long-life and high-rate anode material for potassium-ion batteries. *Nano Research*, **2020**, 13, 802-809	10	32

360	Construction of hierarchical MoSe2@C hollow nanospheres for efficient lithium/sodium ion storage. *Inorganic Chemistry Frontiers*, **2020**, 7, 1691-1698	6.8	14
359	Silicothermic reduction reaction for fabricating interconnected SiGe nanocrystals with fast and stable Li-storage. *Journal of Materials Chemistry A*, **2020**, 8, 6597-6606	13	11
358	Formation of Solid Electrolyte Interfaces in Aqueous Electrolytes by Altering Cation-Solvation Shell Structure. *Advanced Energy Materials*, **2020**, 10, 1903665	21.8	26
357	Stable Lithium Deposition Enabled by an Acid-Treated g-CN Interface Layer for a Lithium Metal Anode. *ACS Applied Materials & Interfaces*, **2020**, 12, 11265-11272	9.5	13
356	Amidation-Dominated Re-Assembly Strategy for Single-Atom Design/Nano-Engineering: Constructing Ni/S/C Nanotubes with Fast and Stable K-Storage. *Angewandte Chemie - International Edition*, **2020**, 59, 6459-6465	16.4	17
355	Amidation-Dominated Re-Assembly Strategy for Single-Atom Design/Nano-Engineering: Constructing Ni/S/C Nanotubes with Fast and Stable K-Storage. *Angewandte Chemie*, **2020**, 132, 6521-6527	3.6	1
354	ZIF-Derived Cobalt-Containing N-Doped Carbon-Coated SiO Nanoparticles for Superior Lithium Storage. *ACS Applied Materials & Interfaces*, **2020**, 12, 7206-7211	9.5	19
353	Edge-Plane Exposed N-Doped Carbon Nanofibers Toward Fast K-Ion Adsorption/Diffusion Kinetics for K-Ion Capacitors. *CCS Chemistry*, **2020**, 2, 495-506	7.2	15
352	Recent advances and perspectives in stable and dendrite-free potassium metal anodes. *Energy Storage Materials*, **2020**, 30, 206-227	19.4	44
351	Appropriately hydrophilic/hydrophobic cathode enables high-performance aqueous zinc-ion batteries. *Energy Storage Materials*, **2020**, 30, 337-345	19.4	40
350	Isotropic Li nucleation and growth achieved by an amorphous liquid metal nucleation seed on MXene framework for dendrite-free Li metal anode. *Energy Storage Materials*, **2020**, 26, 223-233	19.4	57
349	Rational design of polar/nonpolar mediators toward efficient sulfur fixation and enhanced conductivity. *Journal of Materials Chemistry A*, **2020**, 8, 1010-1051	13	23
348	Porosity- and Graphitization-Controlled Fabrication of Nanoporous Silicon@Carbon for Lithium Storage and Its Conjugation with MXene for Lithium-Metal Anode. *Advanced Functional Materials*, **2020**, 30, 1908721	15.6	85
347	High-Spin Sulfur-Mediated Phosphorous Activation Enables Safe and Fast Phosphorus Anodes for Sodium-Ion Batteries. *CheM*, **2020**, 6, 221-233	16.2	23
346	N-induced lattice contraction generally boosts the hydrogen evolution catalysis of P-rich metal phosphides. *Science Advances*, **2020**, 6, eaaw8113	14.3	116
345	Orbital-regulated interfacial electronic coupling endows Ni3N with superior catalytic surface for hydrogen evolution reaction. *Science China Chemistry*, **2020**, 63, 1563-1569	7.9	10
344	Recently advances and perspectives of anode-free rechargeable batteries. *Nano Energy*, **2020**, 78, 105344	17.1	32
343	Two-Dimensional Silicon/Carbon from Commercial Alloy and CO for Lithium Storage and Flexible TiCT MXene-Based Lithium-Metal Batteries. *ACS Nano*, **2020**,	16.7	46

342	Guiding Smooth Li Plating and Stripping by a Spherical Island Model for Lithium Metal Anodes. *ACS Applied Materials & Interfaces*, **2020**, 12, 38098-38105	9.5	5
341	Recent advances and perspectives of 2D silicon: Synthesis and application for energy storage and conversion. *Energy Storage Materials*, **2020**, 32, 115-150	19.4	28
340	Ultrahigh-Areal-Capacity Battery Anodes Enabled by Free-Standing Vanadium Nitride@N-Doped Carbon/Graphene Architecture. *ACS Applied Materials & Interfaces*, **2020**, 12, 49607-49616	9.5	11
339	Nanoribbon Superstructures of Graphene Nanocages for Efficient Electrocatalytic Hydrogen Evolution. *Nano Letters*, **2020**, 20, 7342-7349	11.5	9
338	Defect engineering on carbon black for accelerated Li-S chemistry. *Nano Research*, **2020**, 13, 3315-3320	10	25
337	Aqueous Rechargeable Li /Na Hybrid Ion Battery with High Energy Density and Long Cycle Life. *Small*, **2020**, 16, e2003585	11	6
336	Porous lithium cobalt oxide fabricated from metal-organic frameworks as a high-rate cathode for lithium-ion batteries.. *RSC Advances*, **2020**, 10, 31889-31893	3.7	3
335	NaTi2(PO4)3 Solid-State Electrolyte Protection Layer on Zn Metal Anode for Superior Long-Life Aqueous Zinc-Ion Batteries. *Advanced Functional Materials*, **2020**, 30, 2004885	15.6	61
334	Recent Advances of Emerging 2D MXene for Stable and Dendrite-Free Metal Anodes. *Advanced Functional Materials*, **2020**, 30, 2004613	15.6	58
333	Phosphorus-doped hard carbon with controlled active groups and microstructure for high-performance sodium-ion batteries. *Journal of Materials Chemistry A*, **2020**, 8, 20486-20492	13	10
332	Kirkendall effect modulated hollow red phosphorus nanospheres for high performance sodium-ion battery anodes. *Chemical Communications*, **2020**, 56, 11795-11798	5.8	7
331	Rational fabrication of CoS2/Co4S3@N-doped carbon microspheres as excellent cycling performance anode for half/full sodium ion batteries. *Energy Storage Materials*, **2020**, 25, 679-686	19.4	66
330	Self-wrinkled graphene as a mechanical buffer: A rational design to boost the K-ion storage performance of Sb2Se3 nanoparticles. *Chemical Engineering Journal*, **2020**, 379, 122352	14.7	29
329	Micron-Sized Nanoporous Vanadium Pentoxide Arrays for High-Performance Gel Zinc-Ion Batteries and Potassium Batteries. *Chemistry of Materials*, **2020**, 32, 4054-4064	9.6	62
328	Regulating the Interfacial Electronic Coupling of Fe N via Orbital Steering for Hydrogen Evolution Catalysis. *Advanced Materials*, **2020**, 32, e1904346	24	48
327	Green and tunable fabrication of graphene-like N-doped carbon on a 3D metal substrate as a binder-free anode for high-performance potassium-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 21966-21975	13	34
326	Converting Waste Polyethylene into ZnCCo and ZnCNi by a One-Step Thermal Reduction Process. *ACS Omega*, **2019**, 4, 15729-15733	3.9	7
325	Passivation effect for current collectors enables high-voltage aqueous sodium ion batteries. *Materials Today Energy*, **2019**, 14, 100337	7	26

324	Flexible and Free-Standing TiCT MXene@Zn Paper for Dendrite-Free Aqueous Zinc Metal Batteries and Nonaqueous Lithium Metal Batteries. *ACS Nano*, **2019**, 13, 11676-11685	16.7	213
323	Coral-like NixCo1−xSe2 for Na-ion battery with ultralong cycle life and ultrahigh rate capability. *Journal of Materials Chemistry A*, **2019**, 7, 3933-3940	13	50
322	Carbon nanotube-stabilized CoS dual-shell hollow spheres for high-performance K-ion storage. *Chemical Communications*, **2019**, 55, 1406-1409	5.8	24
321	Study on the effect of transition metal sulfide in lithium–sulfur battery. *Inorganic Chemistry Frontiers*, **2019**, 6, 477-481	6.8	25
320	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
319	Meso-porous amorphous Ge: Synthesis and mechanism of an anode material for Na and K storage. *Nano Research*, **2019**, 12, 1824-1830	10	15
318	Double-Shelled NiFeP/N-Doped Carbon Nanobox Derived from a Prussian Blue Analogue as an Electrode Material for K-Ion Batteries and Li Batteries. *ACS Energy Letters*, **2019**, 4, 1496-1504	20.1	87
317	Polyanions Enhance Conversion Reactions for Lithium/Sodium-Ion Batteries: The Case of SbVO4 Nanoparticles on Reduced Graphene Oxide. *Small Methods*, **2019**, 3, 1900231	12.8	20
316	Amine-induced phase transition from white phosphorus to red/black phosphorus for Li/K-ion storage. *Chemical Communications*, **2019**, 55, 6751-6754	5.8	13
315	Self-templating growth of Sb2Se3@C microtube: a convention-alloying-type anode material for enhanced K-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 12283-12291	13	73
314	Prelithiated Surface Oxide Layer Enabled High-Performance Si Anode for Lithium Storage. *ACS Applied Materials & Interfaces*, **2019**, 11, 18305-18312	9.5	33
313	Porous Si/C microspheres decorated with stable outer carbon interphase and inner interpenetrated Si@C channels for enhanced lithium storage. *Carbon*, **2019**, 149, 664-671	10.4	40
312	Water Splitting: Boosting Water Dissociation Kinetics on PtNi Nanowires by N-Induced Orbital Tuning (Adv. Mater. 16/2019). *Advanced Materials*, **2019**, 31, 1970116	24	
311	A general method for constructing robust, flexible and freestanding MXene@metal anodes for high-performance potassium-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 9716-9725	13	110
310	Hierarchical flower-like cobalt phosphosulfide derived from Prussian blue analogue as an efficient polysulfides adsorbent for long-life lithium-sulfur batteries. *Nano Research*, **2019**, 12, 1115-1120	10	18
309	Spatial separation of lithiophilic surface and superior conductivity for advanced Li metal anode: the case of acetylene black and N-doped carbon spheres. *Journal of Materials Chemistry A*, **2019**, 7, 8765-8770	13	19
308	Tuning orbital orientation endows molybdenum disulfide with exceptional alkaline hydrogen evolution capability. *Nature Communications*, **2019**, 10, 1217	17.4	218
307	Ultrathin mesoporous F-doped Ni(OH)2 nanosheets as an efficient electrode material for water splitting and supercapacitors. *Journal of Materials Chemistry A*, **2019**, 7, 9656-9664	13	56

306	Manipulating the water dissociation kinetics of Ni3N nanosheets via in situ interfacial engineering. *Journal of Materials Chemistry A*, **2019**, 7, 10924-10929	13	60
305	Dendrite-tamed deposition kinetics using single-atom Zn sites for Li metal anode. *Energy Storage Materials*, **2019**, 23, 587-593	19.4	40
304	Sulfur-Deficient TiS2-x for Promoted Polysulfide Redox Conversion in Lithium-Sulfur Batteries. *ChemElectroChem*, **2019**, 6, 2231-2237	4.3	28
303	Boosting Water Dissociation Kinetics on Pt-Ni Nanowires by N-Induced Orbital Tuning. *Advanced Materials*, **2019**, 31, e1807780	24	113
302	New Insights into the Electrochemistry Superiority of Liquid Na-K Alloy in Metal Batteries. *Small*, **2019**, 15, e1804916	11	20
301	A flexible micro/nanostructured Si microsphere cross-linked by highly-elastic carbon nanotubes toward enhanced lithium ion battery anodes. *Energy Storage Materials*, **2019**, 17, 93-100	19.4	73
300	An AlO coating layer on mesoporous Si nanospheres for stable solid electrolyte interphase and high-rate capacity for lithium ion batteries. *Nanoscale*, **2019**, 11, 16781-16787	7.7	11
299	Uniform Li deposition by regulating the initial nucleation barrier via a simple liquid-metal coating for a dendrite-free Li metal anode. *Journal of Materials Chemistry A*, **2019**, 7, 18861-18870	13	62
298	Rechargeable aqueous hybrid ion batteries: developments and prospects. *Journal of Materials Chemistry A*, **2019**, 7, 18708-18734	13	68
297	Porosity controlled synthesis of nanoporous silicon by chemical dealloying as anode for high energy lithium-ion batteries. *Journal of Colloid and Interface Science*, **2019**, 554, 674-681	9.3	25
296	Layered (NH4)2V6O16 1.5H2O nanobelts as a high-performance cathode for aqueous zinc-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 19130-19139	13	72
295	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
294	Water-Induced Growth of a Highly Oriented Mesoporous Graphitic Carbon Nanospring for Fast Potassium-Ion Adsorption/Intercalation Storage. *Angewandte Chemie*, **2019**, 131, 18276-18283	3.6	13
293	Water-Induced Growth of a Highly Oriented Mesoporous Graphitic Carbon Nanospring for Fast Potassium-Ion Adsorption/Intercalation Storage. *Angewandte Chemie - International Edition*, **2019**, 58, 18108-18115	16.4	59
292	Room-Temperature Liquid Metal Confined in MXene Paper as a Flexible, Freestanding, and Binder-Free Anode for Next-Generation Lithium-Ion Batteries. *Small*, **2019**, 15, e1903214	11	43
291	Scalable and Physical Synthesis of 2D Silicon from Bulk Layered Alloy for Lithium-Ion Batteries and Lithium Metal Batteries. *ACS Nano*, **2019**, 13, 13690-13701	16.7	88
290	Co0.85Se hollow spheres constructed of ultrathin 2D mesoporous nanosheets as a novel bifunctional-electrode for supercapacitor and water splitting. *Nano Research*, **2019**, 12, 2941-2946	10	17
289	Pyridinic and pyrrolic nitrogen-enriched carbon as a polysulfide blocker for high-performance lithium sulfur batteries. *Inorganic Chemistry Frontiers*, **2019**, 6, 955-960	6.8	15

288	One-step chemical synthesis of MgCNi3 nanoparticles embedded in carbon nanosheets utilizing waste polyethylene as carbon source. *Materials Research Express*, **2019**, 6, 126003	1.7	3
287	Hierarchical desert-waves-like LiNi0.5Mn1.5O4 as advanced cathodes with superior rate capability and cycling stability. *Materials Today Energy*, **2019**, 14, 100363	7	6
286	Enhancing kinetics of Li-S batteries by graphene-like N,S-codoped biochar fabricated in NaCl non-aqueous ionic liquid. *Science China Materials*, **2019**, 62, 455-464	7.1	21
285	Stabilizing antimony nanocrystals within ultrathin carbon nanosheets for high-performance K-ion storage. *Energy Storage Materials*, **2019**, 20, 46-54	19.4	57
284	Fully integrated hierarchical double-shelled CoS@CNT nanostructures with unprecedented performance for Li-S batteries. *Nanoscale Horizons*, **2019**, 4, 182-189	10.8	46
283	Mesoporous Hollow Ge Microspheres Prepared via Molten-Salt Metallothermic Reaction for High-Performance Li-Storage Anode. *ACS Applied Materials & Interfaces*, **2018**, 10, 8399-8404	9.5	29
282	Green, Scalable, and Controllable Fabrication of Nanoporous Silicon from Commercial Alloy Precursors for High-Energy Lithium-Ion Batteries. *ACS Nano*, **2018**, 12, 4993-5002	16.7	193
281	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
280	Self-Standing Hierarchical P/CNTs@rGO with Unprecedented Capacity and Stability for Lithium and Sodium Storage. *CheM*, **2018**, 4, 372-385	16.2	103
279	Manipulating the Redox Kinetics of Li□S Chemistry by Tellurium Doping for Improved Li□S Batteries. *ACS Energy Letters*, **2018**, 3, 420-427	20.1	94
278	Amorphous mesoporous GeO anode for Na-ion batteries with high capacity and long lifespan. *Royal Society Open Science*, **2018**, 5, 171477	3.3	8
277	Embedding MnO@Mn O Nanoparticles in an N-Doped-Carbon Framework Derived from Mn-Organic Clusters for Efficient Lithium Storage. *Advanced Materials*, **2018**, 30, 1704244	24	280
276	Hierarchical Porous Nanosheets Constructed by Graphene-Coated, Interconnected TiO Nanoparticles for Ultrafast Sodium Storage. *Advanced Materials*, **2018**, 30, 1705788	24	191
275	Ultrafine CoS nanoparticles embedded in a nitrogen-doped porous carbon hollow nanosphere composite as an anode for superb sodium-ion batteries and lithium-ion batteries. *Nanoscale*, **2018**, 10, 2804-2811	7.7	47
274	Sulfur□hydrazine hydrate-based chemical synthesis of sulfur@graphene composite for lithium□sulfur batteries. *Inorganic Chemistry Frontiers*, **2018**, 5, 785-792	6.8	11
273	Mesoporous germanium nanoparticles synthesized in molten zinc chloride at low temperature as a high-performance anode for lithium-ion batteries. *Dalton Transactions*, **2018**, 47, 7402-7406	4.3	14
272	Stabilizing Si/graphite composites with Cu and in situ synthesized carbon nanotubes for high-performance Li-ion battery anodes. *Inorganic Chemistry Frontiers*, **2018**, 5, 1463-1469	6.8	29
271	Synchronous synthesis of Kirkendall effect induced hollow FeSe/C nanospheres as anodes for high performance sodium ion batteries. *Chemical Communications*, **2018**, 54, 5704-5707	5.8	55

270	Solid-Solution Anion-Enhanced Electrochemical Performances of Metal Sulfides/Selenides for Sodium-Ion Capacitors: The Case of FeSSe. *ACS Applied Materials & Interfaces*, **2018**, 10, 10945-10954	8.5	63
269	Vacuum distillation derived 3D porous current collector for stable lithium–metal batteries. *Nano Energy*, **2018**, 47, 503-511	17.1	165
268	Heteroatom dopings and hierarchical pores of graphene for synergistic improvement of lithium–sulfur battery performance. *Inorganic Chemistry Frontiers*, **2018**, 5, 1053-1061	6.8	17
267	Few layer nitrogen-doped graphene with highly reversible potassium storage. *Energy Storage Materials*, **2018**, 11, 38-46	19.4	155
266	A novel class of functional additives for cyclability enhancement of the sulfur cathode in lithium sulfur batteries. *Inorganic Chemistry Frontiers*, **2018**, 5, 2013-2017	6.8	11
265	Facile synthesis of N,O-codoped hard carbon on the kilogram scale for fast capacitive sodium storage. *Journal of Materials Chemistry A*, **2018**, 6, 16465-16474	13	39
264	Molten-salt chemical exfoliation process for preparing two-dimensional mesoporous Si nanosheets as high-rate Li-storage anode. *Nano Research*, **2018**, 11, 6294-6303	10	24
263	Lithium phosphide/lithium chloride coating on lithium for advanced lithium metal anode. *Journal of Materials Chemistry A*, **2018**, 6, 15859-15867	13	49
262	Truncated cobalt hexacyanoferrate nanocubes threaded by carbon nanotubes as a high-capacity and high-rate cathode material for dual-ion rechargable aqueous batteries. *Journal of Power Sources*, **2018**, 399, 1-7	8.9	19
261	NiS Hollow Spheres and Cages as Superhigh Rate Capacity and Stable Anode Materials for Half/Full Sodium-Ion Batteries. *ACS Nano*, **2018**, 12, 8277-8287	16.7	98
260	Conductive Nanocrystalline Niobium Carbide as High-Efficiency Polysulfides Tamer for Lithium-Sulfur Batteries. *Advanced Functional Materials*, **2018**, 28, 1704865	15.6	173
259	One step conversion of waste polyethylene to Cr3C2 nanorods and Cr2AlC particles under mild conditions. *Inorganic Chemistry Frontiers*, **2018**, 5, 2893-2897	6.8	13
258	Metallothermic Reduction of Molten Adduct [PCl][AlCl] at 50 °C to Amorphous Phosphorus or Crystallized Phosphides. *ACS Applied Materials & Interfaces*, **2018**, 10, 42469-42474	9.5	4
257	Layered-Structure SbPO/Reduced Graphene Oxide: An Advanced Anode Material for Sodium Ion Batteries. *ACS Nano*, **2018**, 12, 12869-12878	16.7	60
256	Micron-Sized Nanoporous Antimony with Tunable Porosity for High-Performance Potassium-Ion Batteries. *ACS Nano*, **2018**, 12, 12932-12940	16.7	167
255	Deciphering the Modulation Essence of p Bands in Co-Based Compounds on Li-S Chemistry. *Joule*, **2018**, 2, 2681-2693	27.8	241
254	Conductive and Polar Titanium Boride as a Sulfur Host for Advanced Lithium–Sulfur Batteries. *Chemistry of Materials*, **2018**, 30, 6969-6977	9.6	75
253	In Situ Li PS Solid-State Electrolyte Protection Layers for Superior Long-Life and High-Rate Lithium-Metal Anodes. *Advanced Materials*, **2018**, 30, e1804684	24	102

252	Metal-organic framework-derived Co0.85Se nanoparticles in N-doped carbon as a high-rate and long-lifespan anode material for potassium ion batteries. *Materials Today Energy*, **2018**, 10, 241-248	7	82
251	The Dual-Play of 3D Conductive Scaffold Embedded with Co, N Codoped Hollow Polyhedra toward High-Performance Li‐S Full Cell. *Advanced Energy Materials*, **2018**, 8, 1802561	21.8	83
250	Hierarchical Graphene-Scaffolded Silicon/Graphite Composites as High Performance Anodes for Lithium-Ion Batteries. *Small*, **2018**, 14, e1802457	11	59
249	Mechanical Pressing Route for Scalable Preparation of Microstructured/Nanostrutured Si/Graphite Composite for Lithium Ion Battery Anodes. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 14230-14238	8.3	32
248	Sandwich-like NiP nanoarray/nitrogen-doped graphene nanoarchitecture as a high-performance anode for sodium and lithium ion batteries. *Data in Brief*, **2018**, 20, 1999-2002	1.2	9
247	Crystal structural design of exposed planes: express channels, high-rate capability cathodes for lithium-ion batteries. *Nanoscale*, **2018**, 10, 17435-17455	7.7	41
246	Preparation of Sb nanoparticles in molten salt and their potassium storage performance and mechanism. *Nanoscale*, **2018**, 10, 13236-13241	7.7	94
245	Optimization of Microporous Carbon Structures for Lithium-Sulfur Battery Applications in Carbonate-Based Electrolyte. *Small*, **2017**, 13, 1603533	11	51
244	Facile synthesis and electrochemistry of a new cubic rocksalt LixVyO2 (x = 0.78, y = 0.75) electrode material. *Journal of Materials Chemistry A*, **2017**, 5, 5148-5155	13	7
243	General Fabrication of Boride, Carbide, and Nitride Nanocrystals via a Metal-Hydrolysis-Assisted Process. *Inorganic Chemistry*, **2017**, 56, 2440-2447	5.1	16
242	Sulfur-Rich Phosphorus Sulfide Molecules for Use in Rechargeable Lithium Batteries. *Angewandte Chemie - International Edition*, **2017**, 56, 2937-2941	16.4	35
241	Simple synthesis of a porous Sb/Sb2O3 nanocomposite for a high-capacity anode material in Na-ion batteries. *Nano Research*, **2017**, 10, 1794-1803	10	53
240	Sulfur-Rich Phosphorus Sulfide Molecules for Use in Rechargeable Lithium Batteries. *Angewandte Chemie*, **2017**, 129, 2983-2987	3.6	5
239	MoSe2-Covered N,P-Doped Carbon Nanosheets as a Long-Life and High-Rate Anode Material for Sodium-Ion Batteries. *Advanced Functional Materials*, **2017**, 27, 1700522	15.6	353
238	Surfactant widens the electrochemical window of an aqueous electrolyte for better rechargeable aqueous sodium/zinc battery. *Journal of Materials Chemistry A*, **2017**, 5, 730-738	13	187
237	Sb nanoparticles uniformly dispersed in 1-D N-doped porous carbon as anodes for Li-ion and Na-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 12144-12148	13	68
236	Wet-Chemical Synthesis of Hollow Red-Phosphorus Nanospheres with Porous Shells as Anodes for High-Performance Lithium-Ion and Sodium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1700214	24	175
235	Ultramicroporous Carbon through an Activation-Free Approach for Li-S and Na-S Batteries in Carbonate-Based Electrolyte. *ACS Applied Materials & Interfaces*, **2017**, 9, 13813-13818	9.5	51

234	One-Dimensional Yolk-Shell Sb@Ti-O-P Nanostructures as a High-Capacity and High-Rate Anode Material for Sodium Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 447-454	9.5	68
233	One-step solid state reaction for the synthesis of ternary nitrides Co3Mo3N and Fe3Mo3N. *Inorganic Chemistry Frontiers*, **2017**, 4, 2055-2058	6.8	8
232	Controllable Self-Assembly of Micro-Nanostructured Si-Embedded Graphite/Graphene Composite Anode for High-Performance Li-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 39318-39325	9.5	46
231	Scalable synthesis of carbon stabilized SiO/graphite sheets composite as anode for high-performance Li ion batteries. *RSC Advances*, **2017**, 7, 39762-39766	3.7	16
230	Biphase-Interface Enhanced Sodium Storage and Accelerated Charge Transfer: Flower-Like Anatase/Bronze TiO/C as an Advanced Anode Material for Na-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 43648-43656	9.5	53
229	Sole Chemical Confinement of Polysulfides on Nonporous Nitrogen/Oxygen Dual-Doped Carbon at the Kilogram Scale for Lithium–Sulfur Batteries. *Advanced Functional Materials*, **2017**, 27, 1604265	15.6	157
228	A molten salt strategy for deriving a porous Si@C nano-composite from Si-rich biomass for high-performance Li-ion batteries. *RSC Advances*, **2016**, 6, 79890-79893	3.7	7
227	A simple melting-diffusing-reacting strategy to fabricate S/NiS-C for lithium-sulfur batteries. *Nanoscale*, **2016**, 8, 17616-17622	7.7	83
226	A scalable in situ surfactant-free synthesis of a uniform MnO/graphene composite for highly reversible lithium storage. *Dalton Transactions*, **2016**, 45, 19221-19225	4.3	11
225	One-pot hydrothermal synthesis of Nitrogen-doped graphene as high-performance anode materials for lithium ion batteries. *Scientific Reports*, **2016**, 6, 26146	4.9	257
224	Double-Walled Sb@TiO2-x Nanotubes as a Superior High-Rate and Ultralong-Lifespan Anode Material for Na-Ion and Li-Ion Batteries. *Advanced Materials*, **2016**, 28, 4126-33	24	340
223	Design and synthesis of a stable-performance P2-type layered cathode material for sodium ion batteries. *RSC Advances*, **2016**, 6, 55327-55330	3.7	4
222	One-step thermolysis synthesis of two-dimensional ultrafine Fe3O4 particles/carbon nanonetworks for high-performance lithium-ion batteries. *Nanoscale*, **2016**, 8, 4733-41	7.7	59
221	A Deep Reduction and Partial Oxidation Strategy for Fabrication of Mesoporous Si Anode for Lithium Ion Batteries. *ACS Nano*, **2016**, 10, 2295-304	16.7	104
220	Trace Fe3+ mediated synthesis of LiFePO4 micro/nanostructures towards improved electrochemical performance for lithium-ion batteries. *RSC Advances*, **2016**, 6, 456-463	3.7	13
219	Porous silicon nano-aggregate from silica fume as an anode for high-energy lithium-ion batteries. *RSC Advances*, **2016**, 6, 30577-30581	3.7	14
218	A graphene oxide-wrapped bipyramidal sulfur@polyaniline core–shell structure as a cathode for Li–S batteries with enhanced electrochemical performance. *Journal of Materials Chemistry A*, **2016**, 4, 6404-6410	13	79
217	A scalable synthesis of N-doped Si nanoparticles for high-performance Li-ion batteries. *Chemical Communications*, **2016**, 52, 3813-6	5.8	21

216	In situ growth of carbon nanotube wrapped Si composites as anodes for high performance lithium ion batteries. *Nanoscale*, **2016**, 8, 4903-7	7.7	26
215	Origin of additional capacities in selenium-based ZnSe@C nanocomposite Li-ion battery electrodes. *Electrochemistry Communications*, **2016**, 65, 44-47	5.1	42
214	Mesh-like LiZnBO3/C composites as a prominent stable anode for lithium ion rechargeable batteries. *Journal of Materials Chemistry A*, **2016**, 4, 5489-5494	13	10
213	Na-birnessite with high capacity and long cycle life for rechargeable aqueous sodium-ion battery cathode electrodes. *Journal of Materials Chemistry A*, **2016**, 4, 856-860	13	49
212	Designed Formation of MnO2@NiO/NiMoO4 Nanowires@Nanosheets Hierarchical Structures with Enhanced Pseudocapacitive Properties. *ChemElectroChem*, **2016**, 3, 1347-1353	4.3	24
211	Synthesis of MoS2 @C Nanotubes Via the Kirkendall Effect with Enhanced Electrochemical Performance for Lithium Ion and Sodium Ion Batteries. *Small*, **2016**, 12, 2484-91	11	164
210	Hierarchical Carbon Nanotubes with a Thick Microporous Wall and Inner Channel as Efficient Scaffolds for Lithium□Sulfur Batteries. *Advanced Functional Materials*, **2016**, 26, 1571-1579	15.6	162
209	A Composite Structure of Cu Ge/Ge/C Anode Promise Better Rate Property for Lithium Battery. *Small*, **2016**, 12, 6024-6032	11	25
208	Synthesis of S/CoS2 Nanoparticles-Embedded N-doped Carbon Polyhedrons from Polyhedrons ZIF-67 and their Properties in Lithium-Sulfur Batteries. *Electrochimica Acta*, **2016**, 218, 243-251	6.7	106
207	B,N-Co-doped Graphene Supported Sulfur for Superior Stable Li-S Half Cell and Ge-S Full Battery. *ACS Applied Materials & Interfaces*, **2016**, 8, 27679-27687	9.5	53
206	MoO 2 nanoparticles as high capacity intercalation anode material for long-cycle lithium ion battery. *Electrochimica Acta*, **2016**, 213, 416-422	6.7	21
205	Direct Synthesis of Few-Layer F-Doped Graphene Foam and Its Lithium/Potassium Storage Properties. *ACS Applied Materials & Interfaces*, **2016**, 8, 20682-90	9.5	223
204	Electrochemical performance of rod-like Sb□ composite as anodes for Li-ion and Na-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 3276-3280	13	82
203	High yield fabrication of hollow vesica-like silicon based on the Kirkendall effect and its application to energy storage. *Nanoscale*, **2015**, 7, 3440-4	7.7	44
202	A potential pyrrhotite (Fe7S8) anode material for lithium storage. *RSC Advances*, **2015**, 5, 14828-14831	3.7	58
201	The design of a high-energy Li-ion battery using germanium-based anode and LiCoO2 cathode. *Journal of Power Sources*, **2015**, 293, 868-875	8.9	43
200	Facile fabrication of hierarchical porous rose-like NiCo2O4 nanoflake/MnCo2O4 nanoparticle composites with enhanced electrochemical performance for energy storage. *Journal of Materials Chemistry A*, **2015**, 3, 16142-16149	13	85
199	Synchronous synthesis of a Si/Cu/C ternary nano-composite as an anode for Li ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 17544-17548	13	12

198	Amorphous S-rich S1−xSex/C (x ≤ 0.1) composites promise better lithium–sulfur batteries in a carbonate-based electrolyte. *Energy and Environmental Science*, **2015**, 8, 3181-3186	35.4	133
197	Rationally designed hierarchical MnO2@NiO nanostructures for improved lithium ion storage. *RSC Advances*, **2015**, 5, 61148-61154	3.7	8
196	Enhancing the electrode performance of Co3O4 through Co3O4@a-TiO2 core–shell microcubes with controllable pore size. *RSC Advances*, **2015**, 5, 40899-40906	3.7	7
195	Hydrogenated TiO2 Branches Coated Mn3O4 Nanorods as an Advanced Anode Material for Lithium Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 10348-55	9.5	77
194	Mn-Doped α-FeOOH Nanorods and α-Fe2O3 Mesoporous Nanorods: Facile Synthesis and Applications as High Performance Anodes for LIBs. *Advanced Electronic Materials*, **2015**, 1, 1400057	6.4	40
193	Honeycomb-like Macro-Germanium as High-Capacity Anodes for Lithium-Ion Batteries with Good Cycling and Rate Performance. *Chemistry of Materials*, **2015**, 27, 4156-4164	9.6	61
192	Mn3O4@C core–shell composites as an improved anode for advanced lithium ion batteries. *RSC Advances*, **2015**, 5, 46829-46833	3.7	13
191	A Si/Ge nanocomposite prepared by a one-step solid-state metathesis reaction and its enhanced electrochemical performance. *Journal of Materials Chemistry A*, **2015**, 3, 11199-11202	13	24
190	Nanoporous germanium as high-capacity lithium-ion battery anode. *Nano Energy*, **2015**, 13, 651-657	17.1	114
189	Preparation of Nanocrystalline Silicon from SiCl4 at 200 °C in Molten Salt for High-Performance Anodes for Lithium Ion Batteries. *Angewandte Chemie*, **2015**, 127, 3893-3896	3.6	27
188	Mesoporous quasi-single-crystalline NiCo2O4 superlattice nanoribbons with optimizable lithium storage properties. *Journal of Materials Chemistry A*, **2015**, 3, 10336-10344	13	70
187	Chemical synthesis of porous hierarchical Ge-Sn binary composites using metathesis reaction for rechargeable Li-ion batteries. *Chemical Communications*, **2015**, 51, 17156-9	5.8	25
186	A low temperature molten salt process for aluminothermic reduction of silicon oxides to crystalline Si for Li-ion batteries. *Energy and Environmental Science*, **2015**, 8, 3187-3191	35.4	152
185	Triple-walled SnO2@N-doped carbon@SnO2 nanotubes as an advanced anode material for lithium and sodium storage. *Journal of Materials Chemistry A*, **2015**, 3, 23194-23200	13	64
184	Synchronously synthesized Si@C composites through solvothermal oxidation of Mg2Si as lithium ion battery anode. *RSC Advances*, **2015**, 5, 71355-71359	3.7	6
183	Silicon nanoparticles obtained via a low temperature chemical "metathesis" synthesis route and their lithium-ion battery properties. *Chemical Communications*, **2015**, 51, 2345-8	5.8	43
182	An aqueous rechargeable sodium ion battery based on a NaMnO2–NaTi2(PO4)3 hybrid system for stationary energy storage. *Journal of Materials Chemistry A*, **2015**, 3, 1400-1404	13	150
181	Hydrothermal synthesis of nano-silicon from a silica sol and its use in lithium ion batteries. *Nano Research*, **2015**, 8, 1497-1504	10	51

180	Hydrothermal Synthesis of Unique Hollow Hexagonal Prismatic Pencils of Co3V2O8?n H2O: A New Anode Material for Lithium-Ion Batteries. *Angewandte Chemie*, **2015**, 127, 10937-10941	3.6	9
179	Hydrothermal Synthesis of Unique Hollow Hexagonal Prismatic Pencils of Co3 V2 O8 ?n H2 O: A New Anode Material for Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2015**, 54, 10787-91	16.4	104
178	A Facile Method for Synthesis of Porous NiCo2O4 Nanorods as a High-Performance Anode Material for Li-Ion Batteries. *Particle and Particle Systems Characterization*, **2015**, 32, 1012-1019	3.1	60
177	One-Pot Hydrothermal Synthesis of FeMoO Nanocubes as an Anode Material for Lithium-Ion Batteries with Excellent Electrochemical Performance. *Small*, **2015**, 11, 4753-61	11	73
176	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
175	Porous MnFe2O4 microrods as advanced anodes for Li-ion batteries with long cycle lifespan. *Journal of Materials Chemistry A*, **2015**, 3, 9550-9555	13	43
174	Rational design of SnO2 aggregation nanostructure with uniform pores and its supercapacitor application. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 6143-6147	2.1	8
173	Polyaniline-assisted synthesis of Si@C/RGO as anode material for rechargeable lithium-ion batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 409-14	9.5	72
172	Coaxial MnO/N-doped carbon nanorods for advanced lithium-ion battery anodes. *Journal of Materials Chemistry A*, **2015**, 3, 1037-1041	13	172
171	A synchronous approach for facile production of Ge-carbon hybrid nanoparticles for high-performance lithium batteries. *Chemical Communications*, **2015**, 51, 3882-5	5.8	38
170	Preparation of nanocrystalline silicon from SiCl4 at 200 °C in molten salt for high-performance anodes for lithium ion batteries. *Angewandte Chemie - International Edition*, **2015**, 54, 3822-5	16.4	138
169	Unusual Formation of ZnCo2O4 3D Hierarchical Twin Microspheres as a High-Rate and Ultralong-Life Lithium-Ion Battery Anode Material. *Advanced Functional Materials*, **2014**, 24, 3012-3020	15.6	330
168	Stable Cycling of Fe O Nanorice as an Anode through Electrochemical Porousness and the Solid-Electrolyte Interphase Thermolysis Approach. *ChemPlusChem*, **2014**, 79, 143-150	2.8	11
167	Hierarchical core shell Fe2O3@C nanotubes as a high-rate and long-life anode for advanced lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 3439-3444	13	55
166	Fabrication of one-dimensional SnO2/MoO3/C nanostructure assembled of stacking SnO2 nanosheets from its heterostructure precursor and its application in lithium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 9784	13	35
165	Recycling chicken eggshell membranes for high-capacity sodium battery anodes. *RSC Advances*, **2014**, 4, 50950-50954	3.7	24
164	Synthesis of novel morphologies of Li2FeSiO4/C micro/nano composites by a facile hydrothermal method. *RSC Advances*, **2014**, 4, 39889-39893	3.7	9
163	Embedding silicon nanoparticles in graphene based 3D framework by cross-linking reaction for high performance lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 19604-19608	13	37

162	From ultrathin nanosheets, triangular plates to nanocrystals with exposed (102) facets, a morphology and phase transformation of sp2 hybrid BN nanomaterials. *RSC Advances*, **2014**, 4, 14233	3.7	24
161	One-pot synthesis of carbon nanoribbons and their enhanced lithium storage performance. *Journal of Materials Chemistry A*, **2014**, 2, 11974-11979	13	13
160	A facile synthesis of highly porous CdSnO3 nanoparticles and their enhanced performance in lithium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 4970	13	9
159	Bulk Ti2Nb10O29 as long-life and high-power Li-ion battery anodes. *Journal of Materials Chemistry A*, **2014**, 2, 17258-17262	13	94
158	Synthesis of Co2SnO4 hollow cubes encapsulated in graphene as high capacity anode materials for lithium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 2728	13	61
157	Facile synthesis of hierarchically porous NiO micro-tubes as advanced anode materials for lithium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 16847-16850	13	68
156	General synthesis of hollow MnO2, Mn3O4 and MnO nanospheres as superior anode materials for lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 17421-17426	13	189
155	Synthesis of urchin-like Sn□nO□ composite and its enhanced electrochemical performance for lithium-ion batteries. *Science Bulletin*, **2014**, 59, 2006-2011		3
154	Layer structured □FeSe: A potential anode material for lithium storage. *Electrochemistry Communications*, **2014**, 38, 124-127	5.1	54
153	Graphene-Supported NaTi2(PO4)3as a High Rate Anode Material for Aqueous Sodium Ion Batteries. *Journal of the Electrochemical Society*, **2014**, 161, A1181-A1187	3.9	88
152	3D Co3O4 and CoO@C wall arrays: morphology control, formation mechanism, and lithium-storage properties. *Journal of Materials Chemistry A*, **2014**, 2, 11597	13	76
151	Anodes: Unusual Formation of ZnCo2O4 3D Hierarchical Twin Microspheres as a High-Rate and Ultralong-Life Lithium-Ion Battery Anode Material (Adv. Funct. Mater. 20/2014). *Advanced Functional Materials*, **2014**, 24, 3011-3011	15.6	2
150	Comparison between SnSb□ and Sn□ composites as anode materials for lithium-ion batteries. *RSC Advances*, **2014**, 4, 62301-62307	3.7	22
149	A comparative study of lithium-storage performances of hematite: Nanotubes vs. nanorods. *Journal of Power Sources*, **2014**, 245, 429-435	8.9	58
148	One pot synthesis of ultrathin boron nitride nanosheet-supported nanoscale zerovalent iron for rapid debromination of polybrominated diphenyl ethers. *Journal of Materials Chemistry A*, **2013**, 1, 6379	13	49
147	Facile synthesis of mesoporous Mn3O4 nanotubes and their excellent performance for lithium-ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 10985	13	108
146	Simple synthesis of yolk-shelled ZnCo2O4 microspheres towards enhancing the electrochemical performance of lithium-ion batteries in conjunction with a sodium carboxymethyl cellulose binder. *Journal of Materials Chemistry A*, **2013**, 1, 15292	13	138
145	Formation of Graphene-Wrapped Nanocrystals at Room Temperature through the Colloidal Coagulation Effect. *Particle and Particle Systems Characterization*, **2013**, 30, 143-147	3.1	37

144	Controlled Growth of Porous α-Fe2O3 Branches on β-MnO2 Nanorods for Excellent Performance in Lithium-Ion Batteries. *Advanced Functional Materials*, **2013**, 23, 4049-4056	15.6	168
143	Effect of different carbon sources on the electrochemical properties of rod-like LiMnPO4/C nanocomposites. *RSC Advances*, **2013**, 3, 6847	3.7	34
142	MnO@1-D carbon composites from the precursor C4H4MnO6 and their high-performance in lithium batteries. *RSC Advances*, **2013**, 3, 10001	3.7	66
141	Magnesium-assisted formation of metal carbides and nitrides from metal oxides. *International Journal of Refractory Metals and Hard Materials*, **2012**, 31, 288-292	4.1	17
140	Spinel Mn1.5Co1.5O4 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
139	A new carbon intercalated compound of Dion–Jacobson phase HLaNb2O7. *Journal of Materials Chemistry*, **2012**, 22, 11086		31
138	Synthesis of 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
137	Synthesis of TiN hollow sphere by a modified one-step template self-assembly method. *CrystEngComm*, **2012**, 14, 2186	3.3	5
136	Facile synthesis of uniform h-BN nanocrystals and their application as a catalyst support towards the selective oxidation of benzyl alcohol. *RSC Advances*, **2012**, 2, 10689	3.7	18
135	A facile room-temperature route to flower-like CuO microspheres with greatly enhanced lithium storage capability. *RSC Advances*, **2012**, 2, 8602	3.7	38
134	Solid state synthesis of a new ternary nitride MgMoN2 nanosheets and micromeshes. *Journal of Materials Chemistry*, **2012**, 22, 14559		20
133	A novel benzene–water azeotrope route to new Na-based metal fluorosulphates NaFeSO4F and NaFeSO4F·2H2O in one minute. *CrystEngComm*, **2012**, 14, 4251	3.3	8
132	Synthesis, characterization and application of carbon nanocages as anode materials for high-performance lithium-ion batteries. *RSC Advances*, **2012**, 2, 284-291	3.7	58
131	Mesoporous NiO ultrathin nanowire networks topotactically transformed from α-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
130	Hydrothermal synthesis of layered Li1.81H0.19Ti2O5·xH2O nanosheets and their transformation to single-crystalline Li4Ti5O12 nanosheets as the anode materials for Li-ion batteries. *CrystEngComm*, **2012**, 14, 6435	3.3	43
129	Fabrication of single-crystalline CuInS2 nanowires array via a diethylenetriamine-thermal route. *CrystEngComm*, **2012**, 14, 7217	3.3	21
128	A thermal reduction route to nanocrystalline transition metal carbides from waste polytetrafluoroethylene and metal oxides. *Materials Chemistry and Physics*, **2012**, 137, 1-4	4.4	22
127	Synthesis of Mn3O4 nanowires and their transformation to LiMn2O4 polyhedrons, application of LiMn2O4 as a cathode in a lithium-ion battery. *CrystEngComm*, **2012**, 14, 1485-1489	3.3	27

126	Synchronously synthesized core–shell LiNi1/3Co1/3Mn1/3O2/carbon nanocomposites as cathode materials for high performance lithium ion batteries. *RSC Advances*, **2012**, 2, 12886	3.7	37
125	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. *Journal of Materials Chemistry*, **2012**, 22, 11297		63
124	Enhanced energy storage and rate performance induced by dense nanocavities inside MnWO4 nanobars. *RSC Advances*, **2012**, 2, 6748	3.7	26
123	Synthesis of superconducting sphere-like Mo2C nanoparticles in an autoclave. *Crystal Research and Technology*, **2012**, 47, 467-470	1.3	4
122	One-step hydrothermal synthesis of ZnFe2O4 nano-octahedrons as a high capacity anode material for Li-ion batteries. *Nano Research*, **2012**, 5, 477-485	10	224
121	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
120	Fabrication of α-MnO2/β-MnO2 hollow core/shell structures and their application to water treatment. *Journal of Materials Chemistry*, **2011**, 21, 16210		87
119	Convenient synthesis and applications of gram scale boron nitride nanosheets. *Catalysis Science and Technology*, **2011**, 1, 1119	5.5	49
118	Solid state synthesis of nitride, carbide and boride nanocrystals in an autoclave. *Journal of Materials Chemistry*, **2011**, 21, 13756		18
117	Formation and morphology control of nanoparticlesvia solution routes in an autoclave. *Journal of Materials Chemistry*, **2011**, 21, 11457		88
116	Cadmium sulfide rod-bundle structures decorated with nanoparticles from an inorganic/organic composite. *Journal of Nanoparticle Research*, **2011**, 13, 3535-3543	2.3	3
115	Synthesis and magnetic properties of Fe3O4/helical carbon nanofiber nanocomposites from the catalytic pyrolysis of ferrocene. *Science Bulletin*, **2011**, 56, 3199		3
114	Preparation of LiCoO2 concaved cuboctahedra and their electrochemical behavior in lithium-ion battery. *Dalton Transactions*, **2011**, 40, 7645-50	4.3	27
113	Carbide Nanoparticles Encapsulated in the Caves of Carbon Nanotubes by an In Situ Reduction-Carbonization Route. *Journal of Nanomaterials*, **2011**, 2011, 1-5	3.2	25
112	Orthogonal Design-Assisted Solvothermal Strategy for Preparing Silicon Nitride Nanodendrites on a Large Scale. *International Journal of Applied Ceramic Technology*, **2010**, 7, 889-894	2	3
111	Hydrothermal Synthesis and Electrochemical Properties of Urchin-Like Core–Shell Copper Oxide Nanostructures. *Journal of Physical Chemistry C*, **2010**, 114, 9645-9650	3.8	62
110	CdS Hierarchical Nanostructures with Tunable Morphologies: Preparation and Photocatalytic Properties. *Journal of Physical Chemistry C*, **2010**, 114, 14029-14035	3.8	109
109	Recent Development of the Synthesis and Engineering Applications of One-Dimensional Boron Nitride Nanomaterials. *Journal of Nanomaterials*, **2010**, 2010, 1-16	3.2	9

108	A versatile route for the convenient synthesis of rare-earth and alkaline-earth hexaborides at mild temperatures. *CrystEngComm*, **2010**, 12, 3923	3.3	41
107	Malic acid assisted precursor route to hierarchical structured nickel oxide. *Crystal Research and Technology*, **2010**, 45, 545-550	1.3	5
106	Mg-Assisted Autoclave Synthesis of RB6 (R = Sm, Eu, Gd, and Tb) Submicron Cubes and SmB6 Submicron Rods. *European Journal of Inorganic Chemistry*, **2010**, 2010, 1289-1294	2.3	25
105	Double-Shelled Mn2O3 Hollow Spheres and Their Application in Water Treatment. *European Journal of Inorganic Chemistry*, **2010**, 2010, 1172-1176	2.3	41
104	Synthesis and Electrical Capacitance of Carbon Nanoplates. *European Journal of Inorganic Chemistry* , **2010**, 2010, 4314-4320	2.3	10
103	A simple pyrolysis route to synthesize leaf-like carbon sheets. *Carbon*, **2010**, 48, 3420-3426	10.4	20
102	Tartatric Acid and L-Cysteine Synergistic-Assisted Synthesis of Antimony Trisulfide Hierarchical Structures in Aqueous Solution. *European Journal of Inorganic Chemistry*, **2009**, 2009, 5302-5306	2.3	14
101	Solution-phase synthesis of nanomaterials at low temperature **2009**, 52, 13-20		11
100	Additive-Assisted Nitridation to Synthesize Si3N4 Nanomaterials at a Low Temperature. *Journal of the American Ceramic Society*, **2009**, 92, 517-519	3.8	10
99	The synthesis of nanostructured SiC from waste plastics and silicon powder. *Nanotechnology*, **2009**, 20, 355604	3.4	25
98	Acetylacetone-Directed Controllable Synthesis of Bi2S3 Nanostructures with Tunable Morphology. *Crystal Growth and Design*, **2009**, 9, 3862-3867	3.5	59
97	Sunlight-assisted fabrication of a hierarchical ZnO nanorod array structure. *CrystEngComm*, **2009**, 11, 2009	3.3	24
96	Thermal-induced shape evolution from uniform triangular to hexagonal r-BN nanoplates. *Journal of Materials Chemistry*, **2009**, 19, 8086		28
95	Growth and characterization of ZnS porous nanoribbon array constructed by connected nanocrystallities. *CrystEngComm*, **2009**, 11, 2308	3.3	13
94	A general route for the convenient synthesis of crystalline hexagonal boron nitride micromesh at mild temperature. *Journal of Materials Chemistry*, **2009**, 19, 1989		42
93	Controlled fabrication of SnO2 solid and hollow nanocubes with a simple hydrothermal route. *Applied Physics Letters*, **2008**, 93, 152511	3.4	24
92	A Facile Approach for the Synthesis of Uniform Hollow Carbon Nanospheres. *Journal of Physical Chemistry C*, **2008**, 112, 1896-1900	3.8	28
91	Synthesis of MnV2O6 nanoflakes via simple hydrothermal process. *Frontiers of Chemistry in China: Selected Publications From Chinese Universities*, **2008**, 3, 275-278		5

90	Sulfur-Assisted Approach for the Low-Temperature Synthesis of β-SiC Nanowires. *European Journal of Inorganic Chemistry*, **2008**, 2008, 3883-3888	2.3	26
89	Solvothermal Synthesis of Si3N4 Nanomaterials at a Low Temperature. *Journal of the American Ceramic Society*, **2008**, 91, 1725-1728	3.8	21
88	Solution-Phase Synthesis of Single-Crystal CuO Nanoribbons and Nanorings. *Crystal Growth and Design*, **2007**, 7, 930-934	3.5	140
87	Synthesis of Kelp-Like Crystalline β-SiC Nanobelts and their Apical Growth Mechanism. *Journal of the American Ceramic Society*, **2007**, 90, 653-656	3.8	13
86	Large-Scale Synthesis of Magnenium Silicon Nitride Powders at Low Temperature. *Journal of the American Ceramic Society*, **2007**, 91, 333-336	3.8	10
85	l-Cysteine-Assisted Tunable Synthesis of PbS of Various Morphologies. *Journal of Physical Chemistry C*, **2007**, 111, 16761-16767	3.8	90
84	Hydrothermal Growth and Morphology Modification of β-NiS Three-Dimensional Flowerlike Architectures. *Crystal Growth and Design*, **2007**, 7, 1918-1922	3.5	91
83	Shape-Controlled Synthesis of Tellurium 1D Nanostructures via a Novel Circular Transformation Mechanism. *Crystal Growth and Design*, **2007**, 7, 1185-1191	3.5	34
82	Preparation of Semiconductor/Polymer Coaxial Nanocables by a Facile Solution Process. *European Journal of Inorganic Chemistry*, **2006**, 2006, 207-212	2.3	8
81	A Hydrothermal Reduction Route to Single-Crystalline Hexagonal Cobalt Nanowires. *European Journal of Inorganic Chemistry*, **2006**, 2006, 2454-2459	2.3	108
80	High-Yield Synthesis of NiO Nanoplatelets and Their Excellent Electrochemical Performance. *Crystal Growth and Design*, **2006**, 6, 2163-2165	3.5	124
79	Isostructural Cd3E2 (E = P, As) Microcrystals Prepared via a Hydrothermal Route. *Crystal Growth and Design*, **2006**, 6, 849-853	3.5	15
78	Double-Source Approach to In2S3 Single Crystallites and Their Electrochemical Properties. *Crystal Growth and Design*, **2006**, 6, 1304-1307	3.5	59
77	The Fabrication and Characterization of Single-Crystalline Selenium Nanoneedles. *Crystal Growth and Design*, **2006**, 6, 1711-1716	3.5	33
76	Large-Scale Synthesis and Growth Mechanism of Single-Crystal Se Nanobelts. *Crystal Growth and Design*, **2006**, 6, 1514-1517	3.5	48
75	A Chemical Co-Reduction Route to Synthesize Nanocrystalline Vanadium Carbide. *Journal of the American Ceramic Society*, **2006**, 89, 320-322	3.8	11
74	Synthesis, Characterization, and Growth Mechanism of Tellurium Nanotubes. *Crystal Growth and Design*, **2005**, 5, 325-328	3.5	126
73	Shape-Induced Enhanced Luminescent Properties of Red Phosphors: Sr2MgSi2O7:Eu3+ Nanotubes. *European Journal of Inorganic Chemistry*, **2005**, 2005, 4031-4034	2.3	12

72	InP nanocrystals via surfactant-aided hydrothermal synthesis. *Journal of Applied Physics*, **2004**, 95, 3683-3688	2.5	33
71	Polyol-mediated preparation of disklike (ZnSe)2EN precursor and its conversion to ZnSe crystals with quasi-network structure. *Journal of Materials Research*, **2004**, 19, 1369-1373	2.5	5
70	Low-Temperature Synthesis of Nanocrystalline Titanium Nitride via a Benzenethermal Route. *Journal of the American Ceramic Society*, **2004**, 83, 430-432	3.8	65
69	Synthesis of Nanocrystalline Boron Carbide via a Solvothermal Reduction of CCl4 in the Presence of Amorphous Boron Powder. *Journal of the American Ceramic Society*, **2004**, 88, 225-227	3.8	26
68	Low-Temperature Synthesis of Nanocrystalline Si3N4 Powders by the Reaction of Mg2Si with NH4Cl. *Journal of the American Ceramic Society*, **2004**, 87, 1810-1813	3.8	12
67	One-Dimensional Arrays of Co3O4Nanoparticles:Synthesis, Characterization, and Optical and Electrochemical Properties. *Journal of Physical Chemistry B*, **2004**, 108, 16401-16404	3.4	227
66	A Rational Self-Sacrificing Template Route to Bi2O3 Nanotube Arrays. *European Journal of Inorganic Chemistry*, **2004**, 2004, 1785-1787	2.3	82
65	Selected-Control Solvothermal Synthesis of Nanoscale Hollow Spheres and Single-Crystal Tubes of PbTe. *European Journal of Inorganic Chemistry*, **2004**, 2004, 4521-4524	2.3	51
64	Formation of Carbon Nanotubes and Cubic and Spherical Nanocages. *Journal of Physical Chemistry B*, **2004**, 108, 20090-20094	3.4	20
63	Lithium-Assisted Synthesis and Characterization of Crystalline 3CSiC Nanobelts. *Journal of Physical Chemistry B*, **2004**, 108, 20102-20104	3.4	124
62	CuBr Crystal Growth in Ethylene Glycol Solvent by the Temperature-Difference Method. *Crystal Growth and Design*, **2004**, 4, 413-414	3.5	16
61	Single-step synthesis of copper sulfide hollow spheres by a template interface reaction route. *Journal of Materials Chemistry*, **2004**, 14, 2489		65
60	Synthesis of nanocrystalline MoN from a new precursor by TPR method. *Journal of Materials Science* , **2003**, 38, 3473-3478	4.3	11
59	Solvothermal synthesis of titanium phosphides via sodium co-reduction of PCl3 and TiCl4. *Journal of Materials Science Letters*, **2003**, 22, 1463-1464		3
58	Large-Scale Synthesis of High Quality Trigonal Selenium Nanowires. *European Journal of Inorganic Chemistry*, **2003**, 2003, 3250-3255	2.3	54
57	A Template-Interface Co-Reduction Synthesis of Hollow Sphere-like Carbides. *European Journal of Inorganic Chemistry*, **2003**, 2003, 3534-3537	2.3	13
56	A Room-Temperature Route to Bismuth Nanotube Arrays. *European Journal of Inorganic Chemistry*, **2003**, 2003, 3699-3702	2.3	41
55	A Complex-Based Soft Template Route to PbSe Nanowires. *European Journal of Inorganic Chemistry* , **2003**, 2003, 644-647	2.3	26

54	Reduction-Nitridation Synthesis of Titanium Nitride Nanocrystals. *Journal of the American Ceramic Society*, **2003**, 86, 206-208	3.8	37
53	Selective synthesis and characterization of famatinite nanofibers and tetrahedrite nanoflakes. *Journal of Materials Chemistry*, **2003**, 13, 301-303		50
52	A Co-pyrolysis Method to Boron Nitride Nanotubes at Relative Low Temperature. *Chemistry of Materials*, **2003**, 15, 2675-2680	9.6	51
51	Soft solution processing of cerium hydroxysulfate powders with different morphologies. *Journal of Materials Chemistry*, **2003**, 13, 150-153		18
50	Surfactant-assisted growth of uniform nanorods of crystalline tellurium. *Journal of Materials Chemistry*, **2003**, 13, 159-162		83
49	Low-temperature route to nanoscale P3N5 hollow spheres. *Journal of Materials Research*, **2003**, 18, 2359-2363	2.5	29
48	Aqueous solution route to nanocrystalline HgE (E=S, Se, Te). *Journal of Materials Science Letters*, **2002**, 21, 1657-1659		6
47	Solid-state room-temperature route to silver composite nanowires. *Journal of Materials Science Letters*, **2002**, 21, 1737-1738		
46	Wet Synthesis and Characterization of MSe (M = Cd, Hg) Nanocrystallites at Room Temperature. *Journal of Materials Research*, **2002**, 17, 1147-1152	2.5	16
45	Fabrication of BiTeI submicrometer hollow spheres. *Journal of Materials Chemistry*, **2002**, 12, 2426-2429		36
44	Synthesis of closed PbS nanowires with regular geometric morphologies. *Journal of Materials Chemistry*, **2002**, 12, 403-405		198
43	Microwave-templated synthesis of CdS nanotubes in aqueous solution at room temperature. *New Journal of Chemistry*, **2002**, 26, 1440-1442	3.6	38
42	Synthesis of rod-, twinrod-, and tetrapod-shaped CdS nanocrystals using a highly oriented solvothermal recrystallization technique. *Journal of Materials Chemistry*, **2002**, 12, 748-753		181
41	Metastable MnS Crystallites through Solvothermal Synthesis. *Chemistry of Materials*, **2001**, 13, 2169-2172	9.6	132
40	Ethanolthermal synthesis to CuI nanocrystals at low temperature. *Journal of Materials Science Letters*, **2001**, 20, 1865-1867		24
39	Preparation and characterization of CuInS2 nanorods and nanotubes from an elemental solvothermal reaction. *Journal of Materials Research*, **2001**, 16, 2805-2809	2.5	35
38	A novel two-step radiation route to PbSe crystalline nanorods. *Journal of Materials Chemistry*, **2001**, 11, 518-520		24
37	Microtubes and balls of amorphous phosphorus nitride imide (HPN2) prepared by a benzene-thermal method. *Chemical Communications*, **2001**, 469-470	5.8	9

36	A Solution Low-Temperature Route to MoS2Fiber. *Chemistry of Materials*, **2001**, 13, 6-8	9.6	41
35	Cu5.5FeS6.5 nanotubes□ new kind of ternary sulfide nanotube. *New Journal of Chemistry*, **2001**, 25, 1359-1361	3.6	12
34	Antimony sulfide tetragonal prismatic tubular crystals. *Journal of Materials Chemistry*, **2001**, 11, 257-259		24
33	Single-step synthesis of nanocrystalline CdS/polyacrylamide composites by □rradiation. *Journal of Materials Science*, **2000**, 35, 285-287	4.3	16
32	Synthesis of short CdS nanofiber/poly(styrene-alt-maleic anhydride) composites using □rradiation. *Journal of Materials Chemistry*, **2000**, 10, 329-332		20
31	Hydrothermal evolution of the thiourea-cerium(III) nitrate system: formation of cerium hydroxycarbonate and hydroxysulfate. *Inorganic Chemistry*, **2000**, 39, 4380-2	5.1	21
30	Syntheses, structures and magnetic behaviors of di- and trinuclear pivalate complexes containing both cobalt(II) and lanthanide(III) ions. *Inorganic Chemistry*, **2000**, 39, 4165-8	5.1	31
29	A solvothermal reaction route for the synthesis of CuFeS2 ultrafine powder. *Journal of Materials Research*, **1999**, 14, 3870-3872	2.5	5
28	A Novel Low-Temperature Synthetic Route to Crystalline Si3N4. *Advanced Materials*, **1999**, 11, 653-655	24	36
27	A Solvothermal Elemental Reaction To Produce Nanocrystalline ZnSe. *Inorganic Chemistry*, **1998**, 37, 2844-2845	5.1	83
26	A reduction-pyrolysis-catalysis synthesis of diamond. *Science*, **1998**, 281, 246-7	33.3	99
25	Structural variation and recovery of superconductivity by Ca substitution in Y0.4Pr0.6Bs2□ Ca x Cu3. *Journal of Superconductivity and Novel Magnetism*, **1996**, 9, 89-91		2
24	Low-temperature deposition of ultrafine rutile TiO2 thin films by the hydrothermal method. *Physica Status Solidi A*, **1996**, 156, 381-385		14
23	Oxygen Content, Crystal Structure, and Superconductivity in YSr2Cu2.75Mo0.25O7+□*Physica Status Solidi (B): Basic Research*, **1995**, 189, 171-175	1.3	2
22	Preparation of Nanocrystalline Cadmium Powder by the γ-Radiation Method. *Materials Transactions, JIM*, **1995**, 36, 80-81		5
21	Study of the Raman spectrum of nanometer SnO2. *Journal of Applied Physics*, **1994**, 75, 1835-1836	2.5	151
20	Effects of ionic radius on structure and superconductivity for high-Tc oxide superconductors. *Physica Status Solidi A*, **1992**, 130, 415-420		3
19	Grinding Induced Crystalline to Amorphous Transformation of Bi8SrCaO14. *Physica Status Solidi A*, **1991**, 124, K89-K92		2

18	Structural Characteristics of High Tc Superconducting Oxide in (Bi,Pb)-Sr-Ca-Cu-O System. *Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics*, **1990**, 184, 401-408		
17	Superconducting Behavior of Bi1.5Pb0.5Ca2Sr2Cu3Oy at Low Magnetic Field. *Physica Status Solidi (B): Basic Research*, **1989**, 154, K51-K54	1.3	
16	SUPERCONDUCTIVITY ASSOCIATED WITH THE GRANULAR STRUCTURE IN Ba2YCu3O7−δ. *Modern Physics Letters B*, **1988**, 02, 1011-1015	1.6	
15	TRANSPORT PROPERTIES IN SINGLE PHASE SUPERCONDUCTOR Ba2YCu3O9−δ. *International Journal of Modern Physics B*, **1987**, 01, 485-489	1.1	
14	Petroleum coke derived porous carbon/NiCoP with efficient reviving catalytic and adsorptive activity as sulfur host for high performance lithium–sulfur batteries. *Nano Research*,1	10	1
13	Hierarchical Ion/Electron Networks Enable Efficient Red Phosphorus Anode with High Mass Loading for Sodium Ion Batteries. *Advanced Functional Materials*,2110444	15.6	4
12	Single-atom catalysts cathode for lithium-Oxygen batteries:A review. *Nano Futures*,	3.6	0
11	Zero-Strain Structure for Efficient Potassium Storage Nitrogen-Enriched Carbon Dual-Confinement CoP Composite. *Advanced Energy Materials*,2103341	21.8	5
10	A Friendly Soluble Protic Additive Enabling High Discharge Capability and Stabilizing Li Metal Anodes in Li–O2 Batteries. *Advanced Functional Materials*,2106984	15.6	2
9	Molten-LiCl induced thermochemical prelithiation of SiOx: Regulating the active Si/O ratio for high initial Coulombic efficiency. *Nano Research*,1	10	6
8	A porous polycrystalline NiCo2Px as a highly efficient host for sulfur cathodes in Li–S batteries. *Journal of Materials Chemistry A*,	13	6
7	Organics Intercalation into Layered Structures Enables Superior Interface Compatibility and Fast Charge Diffusion for Dendrite-Free Zn Anodes. *Energy and Environmental Science*,	35.4	13
6	Manipulating Electrocatalytic Polysulfide Redox Kinetics by 1D Core–Shell Like Composite for Lithium–Sulfur Batteries. *Advanced Energy Materials*,2103915	21.8	10
5	Bipolar electrode architecture enables high-energy aqueous rechargeable sodium ion battery. *Nano Research*,1	10	0
4	Towards High-Performance Aqueous Sodium Ion Batteries: Constructing Hollow NaTi 2 (PO 4) 3 @C Nanocube Anode with Zn Metal-Induced Pre-Sodiation and Deep Eutectic Electrolyte. *Advanced Energy Materials*,2104053	21.8	2
3	Synthesis of carbon nanotubes-supported porous silicon microparticles in low-temperature molten salt for high-performance Li-ion battery anodes. *Nano Research*,1	10	2
2	Constructing Complementary Catalytic Components on Co 4 N Nanowires to Achieve Efficient Hydrogen Evolution Catalysis. *Advanced Energy and Sustainability Research*,2100219	1.6	0
1	Constructing Reactive Micro-Environment in Basal Plane of MoS 2 for pH-Universal Hydrogen Evolution Catalysis. *Small*,2107974	11	2