

Xiao-Dong Guo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

430
papers

50,330
citations

114
h-index

214
g-index

459
ext. papers

56,963
ext. citations

12.2
avg, IF

8.16
L-index

#	Paper	IF	Citations
430	Air-Stable High-Nickel Cathode with Reinforced Electrochemical Performance Enabled by Convertible Amorphous Li CO Modification.. <i>Advanced Materials</i> , 2022 , e2108947	24	15
429	Simultaneous enhancement of initial Coulombic efficiency and cycling performance of silicon-based anode materials for lithium-ion batteries. <i>Applied Surface Science</i> , 2022 , 585, 152643	6.7	2
428	A polymer organosulfur redox mediator for high-performance lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2022 , 46, 313-321	19.4	4
427	Micron-Sized SiMg O with Stable Internal Structure Evolution for High-Performance Li-Ion Battery Anodes.. <i>Advanced Materials</i> , 2022 , e2200672	24	7
426	Competitive Doping Chemistry for Nickel-Rich Layered Oxide Cathode Materials.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	5
425	Chemically converting residual lithium to a composite coating layer to enhance the rate capability and stability of single-crystalline Ni-rich cathodes. <i>Nano Energy</i> , 2022 , 94, 106901	17.1	6
424	Stable Li storage in micron-sized SiO particles with rigid-flexible coating. <i>Journal of Energy Chemistry</i> , 2022 , 64, 309-314	12	5
423	Selective Extraction of Transition Metals from Spent LiNixCoyMn1-x-yO2 Cathode via Regulation of Coordination Environment.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	5
422	Single-Crystalline Cathodes for Advanced Li-Ion Batteries: Progress and Challenges.. <i>Small</i> , 2022 , e2107048	14.8	5
421	A dynamic polyanion framework with anion/cation co-doping for robust Na/Zn-ion batteries. <i>Journal of Power Sources</i> , 2022 , 530, 231257	8.9	3
420	New insights to build Na+/vacancy disordering for high-performance P2-type layered oxide cathodes. <i>Nano Energy</i> , 2022 , 97, 107207	17.1	5
419	New Insight into High-Rate Performance Lithium-Rich Cathode Synthesis through Controlling the Reaction Pathways by Low-Temperature Intermediates. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 453-463	3.9	1
418	koLayered Oxide Cathode-Electrolyte Interface towards Na-Ion Batteries: Advances and Perspectives.. <i>Chemistry - an Asian Journal</i> , 2022 , e202200213	4.5	
417	Microspheres comprise Si nanoparticles modified with TiO2 and wrapped by graphene as high-performance anode for lithium-ion batteries. <i>Applied Surface Science</i> , 2022 , 153790	6.7	1
416	Air-stability of sodium-based layered-oxide cathode materials. <i>Science China Chemistry</i> , 2022 , 65, 1076-1087	9.7	4
415	Insights into the nitride-regulated processes at the electrolyte/electrode interface in quasi-solid-state lithium metal batteries. <i>Journal of Energy Chemistry</i> , 2021 , 67, 780-780	12	1
414	Dual-Modified Compact Layer and Superficial Ti Doping for Reinforced Structural Integrity and Thermal Stability of Ni-Rich Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 54997-55006	9.5	2

413	Cooperative Shielding of Bi-Electrodes via In Situ Amorphous Electrode-Electrolyte Interphases for Practical High-Energy Lithium-Metal Batteries. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16768-16776	16.4	16
412	Mitigating the Kinetic Hindrance of Single-Crystalline Ni-Rich Cathode via Surface Gradient Penetration of Tantalum. <i>Angewandte Chemie</i> , 2021 , 133, 26739	3.6	6
411	Mitigating the Kinetic Hindrance of Single-Crystalline Ni-Rich Cathode via Surface Gradient Penetration of Tantalum. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26535-26539	16.4	18
410	Micromechanism in All-Solid-State Alloy-Metal Batteries: Regulating Homogeneous Lithium Precipitation and Flexible Solid Electrolyte Interphase Evolution. <i>Journal of the American Chemical Society</i> , 2021 , 143, 839-848	16.4	28
409	Stabilizing the Electrochemistry of Lithium-Selenium Battery via In situ Gelated Polymer Electrolyte: A Look from Anode. <i>Chemical Research in Chinese Universities</i> , 2021 , 37, 298-303	2.2	1
408	Advances of polymer binders for silicon-based anodes in high energy density lithium-ion batteries. <i>Information Materials</i> , 2021 , 3, 460-501	23.1	55
407	Bridging Interparticle Li Conduction in a Soft Ceramic Oxide Electrolyte. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5717-5726	16.4	44
406	-Difluoroethylene Carbonate as an Electrolyte Additive for Microsized SiO@C Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 24916-24924	9.5	3
405	Progress in the sustainable recycling of spent lithium-ion batteries. <i>SusMat</i> , 2021 , 1, 241-254		35
404	A Li-substituted hydrostable layered oxide cathode material with oriented stacking nanoplate structure for high-performance sodium-ion battery. <i>Chemical Engineering Journal</i> , 2021 , 412, 128719	14.7	9
403	Revealing the Superiority of Fast Ion Conductor in Composite Electrolyte for Dendrite-Free Lithium-Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 22978-22986	9.5	10
402	Formulating the Electrolyte Towards High-Energy and Safe Rechargeable Lithium-Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16554-16560	16.4	30
401	Formulating the Electrolyte Towards High-Energy and Safe Rechargeable Lithium-Metal Batteries. <i>Angewandte Chemie</i> , 2021 , 133, 16690-16696	3.6	6
400	Solidifying Cathode-Electrolyte Interface for Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2000791	21.8	38
399	Facile Fabrication of Core-Shell Structure Fe ₃ O ₄ @C Nanodots for Enhanced Lithium-Sulfur Batteries. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021 , 34, 410-416	2.5	4
398	Templating preparation of cannular congeries of MnO ₂ and porous spheres of carbon and their applications to high performance asymmetric supercapacitor and lithium-sulfur battery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 610, 125740	5.1	6
397	Manipulating Electrode/Electrolyte Interphases of Sodium-Ion Batteries: Strategies and Perspectives 2021 , 3, 18-41		30
396	Highly Thermal Conductive Separator with In-Built Phosphorus Stabilizer for Superior Ni-Rich Cathode Based Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2003285	21.8	11

395	Insights into the pre-oxidation process of phenolic resin-based hard carbon for sodium storage. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 3911-3917	7.8	5
394	Increased residual lithium compounds guided design for green recycling of spent lithium-ion cathodes. <i>Energy and Environmental Science</i> , 2021 , 14, 1461-1468	35.4	30
393	Constructing a stable interface between the sulfide electrolyte and the Li metal anode via a Li ⁺ -conductive gel polymer interlayer. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 5328-5335	7.8	1
392	Preparation of intergrown P/O-type biphasic layered oxides as high-performance cathodes for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 13151-13160	13	6
391	Insights on Electrochemical Behaviors of Sodium Peroxide as a Sacrificial Cathode Additive for Boosting Energy Density of Na-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 2772-2778	9.5	11
390	New Insights into the Mechanism of Enhanced Performance of Li[NiCoMn]O with a Polyacrylic Acid-Modified Binder. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 10064-10070	9.5	1
389	P3/O3 Integrated Layered Oxide as High-Power and Long-Life Cathode toward Na-Ion Batteries. <i>Small</i> , 2021 , 17, e2007236	11	10
388	The 2021 battery technology roadmap. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 183001	3	63
387	A compared investigation of different biogum polymer binders for silicon anode of lithium-ion batteries. <i>Ionics</i> , 2021 , 27, 1829-1836	2.7	4
386	In-situ encapsulating flame-retardant phosphate into robust polymer matrix for safe and stable quasi-solid-state lithium metal batteries. <i>Energy Storage Materials</i> , 2021 , 39, 186-193	19.4	28
385	Boron-doped sodium layered oxide for reversible oxygen redox reaction in Na-ion battery cathodes. <i>Nature Communications</i> , 2021 , 12, 5267	17.4	21
384	Constructing a stable interfacial phase on single-crystalline Ni-rich cathode via chemical reaction with phosphomolybdic acid. <i>Nano Energy</i> , 2021 , 87, 106172	17.1	23
383	A Rational Reconfiguration of Electrolyte for High-Energy and Long-Life Lithium-Chalcogen Batteries. <i>Advanced Materials</i> , 2020 , 32, e2000302	24	42
382	Building an Air Stable and Lithium Deposition Regulable Garnet Interface from Moderate-Temperature Conversion Chemistry. <i>Angewandte Chemie</i> , 2020 , 132, 12167-12173	3.6	14
381	Enabling SiO/C Anode with High Initial Coulombic Efficiency through a Chemical Pre-Lithiation Strategy for High-Energy-Density Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 27202-27209	9.5	40
380	Tunable Layered (Na,Mn)VOH ₂ O Cathode Material for High-Performance Aqueous Zinc Ion Batteries. <i>Advanced Science</i> , 2020 , 7, 2000083	13.6	57
379	Tunable structure and dynamics of solid electrolyte interphase at lithium metal anode. <i>Nano Energy</i> , 2020 , 75, 104967	17.1	27
378	Interfacial Evolution of Lithium Dendrites and Their Solid Electrolyte Interphase Shells of Quasi-Solid-State Lithium-Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18120-18125	16.4	24

377	High-Efficiency Cathode Sodium Compensation for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2020 , 32, e2001419	24	60
376	Interfacial Regulation of Ni-Rich Cathode Materials with an Ion-Conductive and Pillaring Layer by Infusing Gradient Boron for Improved Cycle Stability. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 10240-10251	9.5	45
375	Manipulating Layered P2@P3 Integrated Spinel Structure Evolution for High-Performance Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 9385-9390	3.6	21
374	Manipulating Layered P2@P3 Integrated Spinel Structure Evolution for High-Performance Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9299-9304	16.4	43
373	Porous microspheres consisting of carbon-modified LiFePO ₄ grains prepared by a spray-drying assisted approach using cellulose as carbon source. <i>Ionics</i> , 2020 , 26, 2737-2746	2.7	2
372	Optimization of the electrochemical properties of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ cathode material by titanium doping. <i>Ionics</i> , 2020 , 26, 3223-3230	2.7	3
371	Dual Elements Coupling Effect Induced Modification from the Surface into the Bulk Lattice for Ni-Rich Cathodes with Suppressed Capacity and Voltage Decay. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 8146-8156	9.5	28
370	A Flexible Solid Electrolyte with Multilayer Structure for Sodium Metal Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 1903966	21.8	47
369	In situ fluorinated solid electrolyte interphase towards long-life lithium metal anodes. <i>Nano Research</i> , 2020 , 13, 430-436	10	23
368	Enabling a Durable Electrochemical Interface via an Artificial Amorphous Cathode Electrolyte Interphase for Hybrid Solid/Liquid Lithium-Metal Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 6647-6651	3.6	17
367	Layered Oxide Cathodes Promoted by Structure Modulation Technology for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 2001334	15.6	66
366	An Outlook on Low-Volume-Change Lithium Metal Anodes for Long-Life Batteries. <i>ACS Central Science</i> , 2020 , 6, 661-671	16.8	42
365	Hydrangea-Like CuS with Irreversible Amorphization Transition for High-Performance Sodium-Ion Storage. <i>Advanced Science</i> , 2020 , 7, 1903279	13.6	30
364	A super-lithiophilic nanocrystallization strategy for stable lithium metal anodes. <i>Nano Energy</i> , 2020 , 73, 104731	17.1	17
363	In Situ Copolymerized Gel Polymer Electrolyte with Cross-Linked Network for Sodium-Ion Batteries. <i>CCS Chemistry</i> , 2020 , 2, 589-597	7.2	11
362	In Situ Copolymerized Gel Polymer Electrolyte with Cross-Linked Network for Sodium-Ion Batteries. <i>CCS Chemistry</i> , 2020 , 2, 589-597	7.2	15
361	Large-Scale Synthesis of the Stable Co-Free Layered Oxide Cathode by the Synergetic Contribution of Multielement Chemical Substitution for Practical Sodium-Ion Battery. <i>Research</i> , 2020 , 2020, 1469301	7.8	15
360	Minimized Lithium Trapping for High Initial Coulombic Efficiency of Silicon Anodes. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2020 , 36, 1912010-0	3.8	8

359	An integral interface with dynamically stable evolution on micron-sized SiO _x particle anode. <i>Nano Energy</i> , 2020 , 74, 104890	17.1	36
358	Stabilizing Polymer/Lithium Interface in a Rechargeable Solid Battery. <i>Advanced Functional Materials</i> , 2020 , 30, 1908047	15.6	30
357	Deciphering an Abnormal Layered-Tunnel Heterostructure Induced by Chemical Substitution for the Sodium Oxide Cathode. <i>Angewandte Chemie</i> , 2020 , 132, 1507-1511	3.6	14
356	Deciphering an Abnormal Layered-Tunnel Heterostructure Induced by Chemical Substitution for the Sodium Oxide Cathode. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1491-1495	16.4	52
355	Stabilizing the Structure of Nickel-Rich Lithiated Oxides via Cr Doping as Cathode with Boosted High-Voltage/Temperature Cycling Performance for Li-Ion Battery. <i>Energy Technology</i> , 2020 , 8, 1900498 ^{3·5}	3.5	16
354	Both cationic and anionic redox chemistry in a P2-type sodium layered oxide. <i>Nano Energy</i> , 2020 , 69, 104474	17.1	44
353	Porous lamellar carbon assembled from <i>Bacillus mycoides</i> as high-performance electrode materials for vanadium redox flow batteries. <i>Journal of Power Sources</i> , 2020 , 450, 227633	8.9	6
352	A 3D Lithium/Carbon Fiber Anode with Sustained Electrolyte Contact for Solid-State Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 1903325	21.8	40
351	Raising the capacity of lithium vanadium phosphate via anion and cation co-substitution. <i>Science China Chemistry</i> , 2020 , 63, 203-207	7.9	6
350	Size effect on the growth and pulverization behavior of Si nanodomains in SiO anode. <i>Nano Energy</i> , 2020 , 78, 105101	17.1	22
349	Recent progress and design principles of nanocomposite solid electrolytes. <i>Current Opinion in Electrochemistry</i> , 2020 , 22, 195-202	7.2	6
348	Advances in rechargeable Mg batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25601-25625	13	35
347	Dynamic Evolution of a Cathode Interphase Layer at the Surface of LiNiCoMnO in Quasi-Solid-State Lithium Batteries. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20752-20762	16.4	24
346	A facile strategy to reconcile 3D anodes and ceramic electrolytes for stable solid-state Li metal batteries. <i>Energy Storage Materials</i> , 2020 , 32, 458-464	19.4	12
345	Structure Design of Cathode Electrodes for Solid-State Batteries: Challenges and Progress. <i>Small Structures</i> , 2020 , 1, 2000042	8.7	36
344	Chalcogen cathode and its conversion electrochemistry in rechargeable Li/Na batteries. <i>Science China Chemistry</i> , 2020 , 63, 1402-1415	7.9	20
343	Porous SnO ₂ /Graphene Composites as Anode Materials for Lithium-Ion Batteries: Morphology Control and Performance Improvement. <i>Energy & Fuels</i> , 2020 , 34, 13126-13136	4.1	16
342	Towards better Li metal anodes: Challenges and strategies. <i>Materials Today</i> , 2020 , 33, 56-74	21.8	216

341	Graphene-encapsulated ZnO composites as high-performance anode materials for lithium ion batteries. <i>Ionics</i> , 2020 , 26, 565-577	2.7	10
340	Building an Air Stable and Lithium Deposition Regulable Garnet Interface from Moderate-Temperature Conversion Chemistry. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12069-12075	16.4	68
339	Enabling a Durable Electrochemical Interface via an Artificial Amorphous Cathode Electrolyte Interphase for Hybrid Solid/Liquid Lithium-Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6585-6589	16.4	47
338	Tuning wettability of molten lithium via a chemical strategy for lithium metal anodes. <i>Nature Communications</i> , 2019 , 10, 4930	17.4	85
337	Phosphorus and oxygen co-doped composite electrode with hierarchical electronic and ionic mixed conducting networks for vanadium redox flow batteries. <i>Chemical Communications</i> , 2019 , 55, 11515-11518	5.8	17
336	Designing solid-state interfaces on lithium-metal anodes: a review. <i>Science China Chemistry</i> , 2019 , 62, 1286-1299	7.9	61
335	Hierarchically structured microspheres consisting of carbon coated silicon nanocomposites with controlled porosity as superior anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2019 , 324, 134850	6.7	33
334	Recent advances in nanostructured electrode-electrolyte design for safe and next-generation electrochemical energy storage. <i>Materials Today Nano</i> , 2019 , 8, 100057	9.7	23
333	Three-dimensional hollow spheres of porous SnO ₂ /rGO composite as high-performance anode for sodium ion batteries. <i>Applied Surface Science</i> , 2019 , 479, 198-208	6.7	40
332	Porous carbon for high-energy density symmetrical supercapacitor and lithium-ion hybrid electrochemical capacitors. <i>Chemical Engineering Journal</i> , 2019 , 375, 122020	14.7	60
331	Exploiting Lithium-Depleted Cathode Materials for Solid-State Li Metal Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1901335	21.8	9
330	Air-Stable and High-Voltage Layered P3-Type Cathode for Sodium-Ion Full Battery. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24184-24191	9.5	32
329	Engineering Janus Interfaces of Ceramic Electrolyte via Distinct Functional Polymers for Stable High-Voltage Li-Metal Batteries. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9165-9169	16.4	161
328	Strategies to Build High-Rate Cathode Materials for Na-Ion Batteries. <i>ChemNanoMat</i> , 2019 , 5, 1253-1262	3.5	15
327	Introduction to Electrochemical Energy Storage 2019 , 1-28		
326	Nanostructures and Nanomaterials for Solid-State Batteries 2019 , 215-263		
325	Conclusions and Perspectives on New Opportunities of Nanostructures and Nanomaterials in Batteries 2019 , 359-379		
324	Nanostructures and Nanomaterials for Lithium Metal Batteries 2019 , 159-214		

323	Traditional Nanostructures and Nanomaterials in Batteries 2019 , 313-357		
322	Charge Transfer and Storage of an Electrochemical Cell and Its Nano Effects 2019 , 29-87		
321	Nanostructures and Nanomaterials for Sodium Batteries 2019 , 265-312		1
320	Nanostructures and Nanomaterials for Lithium-Ion Batteries 2019 , 89-158		1
319	Direct tracking of the polysulfide shuttling and interfacial evolution in all-solid-state lithium-sulfur batteries: a degradation mechanism study. <i>Energy and Environmental Science</i> , 2019 , 12, 2496-2506	35.4	94
318	Nanostructures and Nanomaterials for Batteries 2019 ,		9
317	Suppression of Monoclinic Phase Transitions of O ₃ -Type Cathodes Based on Electronic Delocalization for Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22067-22073	9.5	21
316	Suppressing Manganese Dissolution via Exposing Stable {111} Facets for High-Performance Lithium-Ion Oxide Cathode. <i>Advanced Science</i> , 2019 , 6, 1801908	13.6	25
315	An effective LiBO ₂ coating to ameliorate the cathode/electrolyte interfacial issues of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ in solid-state Li batteries. <i>Journal of Power Sources</i> , 2019 , 426, 242-249	8.9	36
314	Elucidating the interfacial evolution and anisotropic dynamics on silicon anodes in lithium-ion batteries. <i>Nano Energy</i> , 2019 , 61, 304-310	17.1	22
313	Synergy of doping and coating induced heterogeneous structure and concentration gradient in Ni-rich cathode for enhanced electrochemical performance. <i>Journal of Power Sources</i> , 2019 , 423, 144-151	8.9	68
312	Unveiling the Role of Heteroatom Gradient-Distributed Carbon Fibers for Vanadium Redox Flow Batteries with Long Service Life. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 11451-11458	9.5	12
311	A Stable Layered Oxide Cathode Material for High-Performance Sodium-Ion Battery. <i>Advanced Energy Materials</i> , 2019 , 9, 1803978	21.8	118
310	Nonaqueous Sodium-Ion Full Cells: Status, Strategies, and Prospects. <i>Small</i> , 2019 , 15, e1900233	11	55
309	Reducing the volume deformation of high capacity SiO _x /G/C anode toward industrial application in high energy density lithium-ion batteries. <i>Nano Energy</i> , 2019 , 60, 485-492	17.1	94
308	Nitriding-Interface-Regulated Lithium Plating Enables Flame-Retardant Electrolytes for High-Voltage Lithium Metal Batteries. <i>Angewandte Chemie</i> , 2019 , 131, 7884-7889	3.6	35
307	Nitriding-Interface-Regulated Lithium Plating Enables Flame-Retardant Electrolytes for High-Voltage Lithium Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7802-7807	16.4	102
306	Extended Electrochemical Window of Solid Electrolytes via Heterogeneous Multilayered Structure for High-Voltage Lithium Metal Batteries. <i>Advanced Materials</i> , 2019 , 31, e1807789	24	205

305	MgSc Se -A Magnesium Solid Ionic Conductor for All-Solid-State Mg Batteries?. <i>ChemSusChem</i> , 2019 , 12, 2286-2293	8.3	31
304	Viscoelastic and Nonflammable Interface Design Enabled Dendrite-Free and Safe Solid Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1803854	21.8	64
303	High-Performance Lithiated SiO Anode Obtained by a Controllable and Efficient Prelithiation Strategy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 32062-32068	9.5	58
302	Low volume change composite lithium metal anodes. <i>Nano Energy</i> , 2019 , 64, 103910	17.1	45
301	Ion-Doping-Site-Variation-Induced Composite Cathode Adjustment: A Case Study of Layer-Tunnel NaMnO with Mg Doping at Na/Mn Site. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26938-26945	9.5	17
300	Lithium-Ion Batteries: Suppressing Manganese Dissolution via Exposing Stable {111} Facets for High-Performance Lithium-Ion Oxide Cathode (Adv. Sci. 13/2019). <i>Advanced Science</i> , 2019 , 6, 1970076	13.6	9
299	Interfacial design for lithium-sulfur batteries: From liquid to solid. <i>EnergyChem</i> , 2019 , 1, 100002	36.9	80
298	Self-Healable Solid Polymeric Electrolytes for Stable and Flexible Lithium Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18146-18149	16.4	72
297	Self-Healable Solid Polymeric Electrolytes for Stable and Flexible Lithium Metal Batteries. <i>Angewandte Chemie</i> , 2019 , 131, 18314-18317	3.6	5
296	An Ordered Ni -Ring Superstructure Enables a Highly Stable Sodium Oxide Cathode. <i>Advanced Materials</i> , 2019 , 31, e1903483	24	42
295	Green Growth Solid Electrolyte Interphase Layer with High Rebound Resilience for Long-Life Lithium Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43200-43205	9.5	12
294	Direct regeneration of spent LiFePO ₄ via a graphite prelithiation strategy. <i>Chemical Communications</i> , 2019 , 56, 245-248	5.8	23
293	Confined Red Phosphorus in Edible Fungus Slag-Derived Porous Carbon as an Improved Anode Material in Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 47948-47955	9.5	12
292	Guiding Uniform Li Plating/Stripping through Lithium-Aluminum Alloying Medium for Long-Life Li Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1094-1099	16.4	202
291	Guiding Uniform Li Plating/Stripping through Lithium-Aluminum Alloying Medium for Long-Life Li Metal Batteries. <i>Angewandte Chemie</i> , 2019 , 131, 1106-1111	3.6	38
290	Rational Design of Robust Si/C Microspheres for High-Tap-Density Anode Materials. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4057-4064	9.5	73
289	Hierarchical hollow structured lithium nickel cobalt manganese oxide microsphere synthesized by template-sacrificial route as high performance cathode for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 777, 434-442	5.7	21
288	A P2/P3 composite layered cathode for high-performance Na-ion full batteries. <i>Nano Energy</i> , 2019 , 55, 143-150	17.1	85

287	Fungi-Enabled Synthesis of Ultrahigh-Surface-Area Porous Carbon. <i>Advanced Materials</i> , 2019 , 31, e1805134	13.4	46
286	Cu Dual-Doped Layer-Tunnel Hybrid NaMnCu O as a Cathode of Sodium-Ion Battery with Enhanced Structure Stability, Electrochemical Property, and Air Stability. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10147-10156	9.5	66
285	Progress of the Interface Design in All-Solid-State LiS Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1707533	15.6	140
284	Na/vacancy disordering promises high-rate Na-ion batteries. <i>Science Advances</i> , 2018 , 4, eaar6018	14.3	229
283	Improving cycling performance and rate capability of Ni-rich LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ cathode materials by Li ₄ Ti ₅ O ₁₂ coating. <i>Electrochimica Acta</i> , 2018 , 268, 358-365	6.7	135
282	Lithiation-Derived Repellent toward Lithium Anode Safeguard in Quasi-solid Batteries. <i>Chem</i> , 2018 , 4, 298-307	16.2	51
281	Microemulsion Assisted Assembly of 3D Porous S/Graphene@g-C ₃ N ₄ Hybrid Sponge as Free-Standing Cathodes for High Energy Density LiS Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1702839	21.8	115
280	Trapping Lithium into Hollow Silica Microspheres with a Carbon Nanotube Core for Dendrite-Free Lithium Metal Anodes. <i>Nano Letters</i> , 2018 , 18, 297-301	11.5	111
279	A Flexible Solid Electrolyte Interphase Layer for Long-Life Lithium Metal Anodes. <i>Angewandte Chemie</i> , 2018 , 130, 1521-1525	3.6	58
278	Facile Synthesis of Blocky SiO _x /C with Graphite-Like Structure for High-Performance Lithium-Ion Battery Anodes. <i>Advanced Functional Materials</i> , 2018 , 28, 1705235	15.6	199
277	Spray-Drying-Induced Assembly of Skeleton-Structured SnO/Graphene Composite Spheres as Superior Anode Materials for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 2515-2525	9.5	76
276	Carbon materials with hierarchical porosity: Effect of template removal strategy and study on their electrochemical properties. <i>Carbon</i> , 2018 , 130, 680-691	10.4	55
275	High-Capacity Cathode Material with High Voltage for Li-Ion Batteries. <i>Advanced Materials</i> , 2018 , 30, 1705575	24	256
274	Uniform Lithium Nucleation/Growth Induced by Lightweight Nitrogen-Doped Graphitic Carbon Foams for High-Performance Lithium Metal Anodes. <i>Advanced Materials</i> , 2018 , 30, 1706216	24	315
273	Innentitelbild: A Flexible Solid Electrolyte Interphase Layer for Long-Life Lithium Metal Anodes (Angew. Chem. 6/2018). <i>Angewandte Chemie</i> , 2018 , 130, 1436-1436	3.6	2
272	High electro-catalytic graphite felt/MnO ₂ composite electrodes for vanadium redox flow batteries. <i>Science China Chemistry</i> , 2018 , 61, 732-738	7.9	23
271	Gradiently Polymerized Solid Electrolyte Meets with Micro-/Nanostructured Cathode Array. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 18005-18011	9.5	20
270	An Abnormal 3.7 Volt O ₃ -Type Sodium-Ion Battery Cathode. <i>Angewandte Chemie</i> , 2018 , 130, 8310-8315	3.6	19

269	An Abnormal 3.7 Volt O3-Type Sodium-Ion Battery Cathode. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8178-8183	16.4	82
268	Direct insights into the electrochemical processes at anode/electrolyte interfaces in magnesium-sulfur batteries. <i>Nano Energy</i> , 2018 , 49, 453-459	17.1	30
267	Ladderlike carbon nanoarrays on 3D conducting skeletons enable uniform lithium nucleation for stable lithium metal anodes. <i>Chemical Communications</i> , 2018 , 54, 5330-5333	5.8	32
266	Realizing a highly stable sodium battery with dendrite-free sodium metal composite anodes and O3-type cathodes. <i>Nano Energy</i> , 2018 , 48, 369-376	17.1	75
265	Understanding the structural evolution and Na ⁺ kinetics in honeycomb-ordered O ₃ -Na ₃ Ni ₂ SbO ₆ cathodes. <i>Nano Research</i> , 2018 , 11, 3258-3271	10	27
264	Ameliorating the Interfacial Problems of Cathode and Solid-State Electrolytes by Interface Modification of Functional Polymers. <i>Advanced Energy Materials</i> , 2018 , 8, 1801528	21.8	77
263	Unexpected effects of zirconium-doping in the high performance sodium manganese-based layer-tunnel cathode. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13934-13942	13	19
262	A Dual-Salt Gel Polymer Electrolyte with 3D Cross-Linked Polymer Network for Dendrite-Free Lithium Metal Batteries. <i>Advanced Science</i> , 2018 , 5, 1800559	13.6	115
261	Composite-Structure Material Design for High-Energy Lithium Storage. <i>Small</i> , 2018 , 14, e1800887	11	25
260	SiO Encapsulated in Graphene Bubble Film: An Ultrastable Li-Ion Battery Anode. <i>Advanced Materials</i> , 2018 , 30, e1707430	24	183
259	Recent progress on confinement of polysulfides through physical and chemical methods. <i>Journal of Energy Chemistry</i> , 2018 , 27, 1555-1565	12	89
258	Stable Sodium Storage of Red Phosphorus Anode Enabled by a Dual-Protection Strategy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30479-30486	9.5	18
257	Exposing {010} Active Facets by Multiple-Layer Oriented Stacking Nanosheets for High-Performance Capacitive Sodium-Ion Oxide Cathode. <i>Advanced Materials</i> , 2018 , 30, e1803765	24	92
256	Constructing a Stable Lithium Metal-Gel Electrolyte Interface for Quasi-Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30065-30070	9.5	29
255	Designing High-Performance Composite Electrodes for Vanadium Redox Flow Batteries: Experimental and Computational Investigation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22381-22388	9.5	26
254	Interfacial Mechanism in Lithium-Sulfur Batteries: How Salts Mediate the Structure Evolution and Dynamics. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8147-8155	16.4	91
253	Scalable synthesis of spherical Si/C granules with 3D conducting networks as ultrahigh loading anodes in lithium-ion batteries. <i>Energy Storage Materials</i> , 2018 , 12, 54-60	19.4	90
252	Heteroatom-doped electrodes for all-vanadium redox flow batteries with ultralong lifespan. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 41-44	13	54

251	Dendrite-Free Li-Metal Battery Enabled by a Thin Asymmetric Solid Electrolyte with Engineered Layers. <i>Journal of the American Chemical Society</i> , 2018 , 140, 82-85	16.4	299
250	A Flexible Solid Electrolyte Interphase Layer for Long-Life Lithium Metal Anodes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1505-1509	16.4	438
249	A novel bismuth-based anode material with a stable alloying process by the space confinement of an in situ conversion reaction for a rechargeable magnesium ion battery. <i>Chemical Communications</i> , 2018 , 54, 1714-1717	5.8	31
248	Layered Oxide Cathodes for Sodium-Ion Batteries: Phase Transition, Air Stability, and Performance. <i>Advanced Energy Materials</i> , 2018 , 8, 1701912	21.8	346
247	In-situ plasticized polymer electrolyte with double-network for flexible solid-state lithium-metal batteries. <i>Energy Storage Materials</i> , 2018 , 10, 85-91	19.4	165
246	Uniform Nucleation of Lithium in 3D Current Collectors via Bromide Intermediates for Stable Cycling Lithium Metal Batteries. <i>Journal of the American Chemical Society</i> , 2018 , 140, 18051-18057	16.4	96
245	Upgrading traditional liquid electrolyte via in situ gelation for future lithium metal batteries. <i>Science Advances</i> , 2018 , 4, eaat5383	14.3	199
244	Construction of homogeneously Al ³⁺ doped Ni rich Ni-Co-Mn cathode with high stable cycling performance and storage stability via scalable continuous precipitation. <i>Electrochimica Acta</i> , 2018 , 291, 84-94	6.7	106
243	Robust Electrodes with Maximized Spatial Catalysis for Vanadium Redox Flow Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38922-38927	9.5	12
242	Hierarchical Carbon Micro/Nanonetwork with Superior Electrocatalysis for High-Rate and Endurable Vanadium Redox Flow Batteries. <i>Advanced Science</i> , 2018 , 5, 1801281	13.6	21
241	Advanced P2-NaNiMnFeO Cathode Material with Suppressed P2-O2 Phase Transition toward High-Performance Sodium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34272-34282	9.5	80
240	Graphene@hierarchical meso-/microporous carbon for ultrahigh energy density lithium-ion capacitors. <i>Electrochimica Acta</i> , 2018 , 281, 459-465	6.7	33
239	A Layered Tunnel Intergrowth Structure for High-Performance Sodium-Ion Oxide Cathode. <i>Advanced Energy Materials</i> , 2018 , 8, 1800492	21.8	85
238	3D zinc@carbon fiber composite framework anode for aqueous Zn-MnO batteries.. <i>RSC Advances</i> , 2018 , 8, 19157-19163	3.7	84
237	Suppressing Surface Lattice Oxygen Release of Li-Rich Cathode Materials via Heterostructured Spinel Li Mn O Coating. <i>Advanced Materials</i> , 2018 , 30, e1801751	24	222
236	Recent Advancements in Polymer-Based Composite Electrolytes for Rechargeable Lithium Batteries. <i>Electrochemical Energy Reviews</i> , 2018 , 1, 113-138	29.3	203
235	Mitigating Interfacial Potential Drop of Cathode-Solid Electrolyte via Ionic Conductor Layer To Enhance Interface Dynamics for Solid Batteries. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6767-6770	16.4	137
234	Insights into the Improved High-Voltage Performance of Li-Incorporated Layered Oxide Cathodes for Sodium-Ion Batteries. <i>Chem</i> , 2018 , 4, 2124-2139	16.2	76

233	Novel P2-type NaNiMgTiO as an anode material for sodium-ion batteries. <i>Chemical Communications</i> , 2017 , 53, 1957-1960	5.8	36
232	Graphitic Nanocarbon-Selenium Cathode with Favorable Rate Capability for Li-Se Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 8759-8765	9.5	44
231	Advanced Micro/Nanostructures for Lithium Metal Anodes. <i>Advanced Science</i> , 2017 , 4, 1600445	13.6	338
230	Research progress regarding Si-based anode materials towards practical application in high energy density Li-ion batteries. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1691-1708	7.8	193
229	The influences of sodium sources on the structure evolution and electrochemical performances of layered-tunnel hybrid Na _{0.6} MnO ₂ cathode. <i>Ceramics International</i> , 2017 , 43, 6303-6311	5.1	9
228	Prussian blue nanocubes as cathode materials for aqueous Na-Zn hybrid batteries. <i>Journal of Power Sources</i> , 2017 , 355, 18-22	8.9	79
227	Excellent Comprehensive Performance of Na-Based Layered Oxide Benefiting from the Synergetic Contributions of Multimetal Ions. <i>Advanced Energy Materials</i> , 2017 , 7, 1700189	21.8	69
226	A High-Performance Composite Electrode for Vanadium Redox Flow Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1700461	21.8	95
225	Conductive graphite fiber as a stable host for zinc metal anodes. <i>Electrochimica Acta</i> , 2017 , 244, 172-1776.7		125
224	Methods for the Stabilization of Nanostructured Electrode Materials for Advanced Rechargeable Batteries. <i>Small Methods</i> , 2017 , 1, 1700094	12.8	42
223	Synergism of Al-containing solid electrolyte interphase layer and Al-based colloidal particles for stable lithium anode. <i>Nano Energy</i> , 2017 , 36, 411-417	17.1	143
222	Solid-State Lithium Metal Batteries Promoted by Nanotechnology: Progress and Prospects. <i>ACS Energy Letters</i> , 2017 , 2, 1385-1394	20.1	259
221	Improving the structural stability of Li-rich cathode materials via reservation of cations in the Li-slab for Li-ion batteries. <i>Nano Research</i> , 2017 , 10, 4201-4209	10	43
220	High-Energy/Power and Low-Temperature Cathode for Sodium-Ion Batteries: In Situ XRD Study and Superior Full-Cell Performance. <i>Advanced Materials</i> , 2017 , 29, 1701968	24	266
219	Mn-Based Cathode with Synergetic Layered-Tunnel Hybrid Structures and Their Enhanced Electrochemical Performance in Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21267-21275	9.5	48
218	Designing Air-Stable O3-Type Cathode Materials by Combined Structure Modulation for Na-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8440-8443	16.4	219
217	Stable Li Plating/Stripping Electrochemistry Realized by a Hybrid Li Reservoir in Spherical Carbon Granules with 3D Conducting Skeletons. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5916-5922	16.4	329
216	Ti-Substituted NaNi Mn Ti O Cathodes with Reversible O3-P3 Phase Transition for High-Performance Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017 , 29, 1700210	24	233

215	Three-Dimensional Carbon Nanotubes Forest/Carbon Cloth as an Efficient Electrode for Lithium-Polysulfide Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1553-1561	9.5	47
214	Free-Standing Hollow Carbon Fibers as High-Capacity Containers for Stable Lithium Metal Anodes. <i>Joule</i> , 2017 , 1, 563-575	27.8	243
213	Honeycomb-Ordered Na ₃ Ni _{1.5} M _{0.5} BiO ₆ (M = Ni, Cu, Mg, Zn) as High-Voltage Layered Cathodes for Sodium-Ion Batteries. <i>ACS Energy Letters</i> , 2017 , 2, 2715-2722	20.1	54
212	Facile synthesis of a SiO ₂ /asphalt membrane for high performance lithium-ion battery anodes. <i>Chemical Communications</i> , 2017 , 53, 12080-12083	5.8	27
211	High-Temperature Formation of a Functional Film at the Cathode/Electrolyte Interface in Lithium-Sulfur Batteries: An In Situ AFM Study. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14433-14437	16.4	33
210	Stable Li Metal Anodes via Regulating Lithium Plating/Stripping in Vertically Aligned Microchannels. <i>Advanced Materials</i> , 2017 , 29, 1703729	24	288
209	High-Temperature Formation of a Functional Film at the Cathode/Electrolyte Interface in Lithium-Sulfur Batteries: An In Situ AFM Study. <i>Angewandte Chemie</i> , 2017 , 129, 14625-14629	3.6	7
208	Improving the stability of LiNi _{0.80} Co _{0.15} Al _{0.05} O ₂ by AlPO ₄ nanocoating for lithium-ion batteries. <i>Science China Chemistry</i> , 2017 , 60, 1230-1235	7.9	37
207	Iron oxyfluorides as lithium-free cathode materials for solid-state Li metal batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18464-18468	13	11
206	Structurally modulated Li-rich cathode materials through cooperative cation doping and anion hybridization. <i>Science China Chemistry</i> , 2017 , 60, 1554-1560	7.9	19
205	Atom-Thick Interlayer Made of CVD-Grown Graphene Film on Separator for Advanced Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43696-43703	9.5	62
204	High-Thermal- and Air-Stability Cathode Material with Concentration-Gradient Buffer for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42829-42835	9.5	59
203	Graphitized Carbon Fibers as Multifunctional 3D Current Collectors for High Areal Capacity Li Anodes. <i>Advanced Materials</i> , 2017 , 29, 1700389	24	403
202	Progress of rechargeable lithium metal batteries based on conversion reactions. <i>National Science Review</i> , 2017 , 4, 54-70	10.8	102
201	Passivation of Lithium Metal Anode via Hybrid Ionic Liquid Electrolyte toward Stable Li Plating/Stripping. <i>Advanced Science</i> , 2017 , 4, 1600400	13.6	176
200	Watermelon-Inspired Si/C Microspheres with Hierarchical Buffer Structures for Densely Compacted Lithium-Ion Battery Anodes. <i>Advanced Energy Materials</i> , 2017 , 7, 1601481	21.8	397
199	Three-dimensional carbon nanotube networks enhanced sodium trimesic: a new anode material for sodium ion batteries and Na-storage mechanism revealed by ex situ studies. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16622-16629	13	43
198	Investigation into the Surface Chemistry of LiTiO Nanoparticles for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26008-26012	9.5	30

197	Synthesis of a novel tunnel Na _{0.5} K _{0.1} MnO ₂ composite as a cathode for sodium ion batteries. <i>RSC Advances</i> , 2016 , 6, 54404-54409	3.7	16
196	Sulfur Encapsulated in Graphitic Carbon Nanocages for High-Rate and Long-Cycle Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2016 , 28, 9539-9544	24	341
195	Mitigating Voltage Decay of Li-Rich Cathode Material via Increasing Ni Content for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 20138-46	9.5	151
194	Insight into the Interfacial Process and Mechanism in Lithium-Sulfur Batteries: An In Situ AFM Study. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15835-15839	16.4	93
193	Insight into the Interfacial Process and Mechanism in Lithium-Sulfur Batteries: An In Situ AFM Study. <i>Angewandte Chemie</i> , 2016 , 128, 16067-16071	3.6	9
192	An O ₃ -type NaNi _{0.5} Mn _{0.5} O ₂ cathode for sodium-ion batteries with improved rate performance and cycling stability. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17660-17664	13	131
191	An Artificial Solid Electrolyte Interphase Layer for Stable Lithium Metal Anodes. <i>Advanced Materials</i> , 2016 , 28, 1853-8	24	1021
190	Suppressing the P2 ₁ Phase Transition of Na _{0.67} Mn _{0.67} Ni _{0.33} O ₂ by Magnesium Substitution for Improved Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2016 , 128, 7571-7575	3.6	53
189	Nano/Micro-Structured Si/C Anodes with High Initial Coulombic Efficiency in Li-Ion Batteries. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1205-9	4.5	30
188	Scientific and technological challenges toward application of lithium-sulfur batteries. <i>Chinese Physics B</i> , 2016 , 25, 018801	1.2	9
187	Host Structural Stabilization of Li _{1.232} Mn _{0.615} Ni _{0.154} O ₂ through K-Doping Attempt: toward Superior Electrochemical Performances. <i>Electrochimica Acta</i> , 2016 , 188, 336-343	6.7	59
186	Size effects in lithium ion batteries. <i>Chinese Physics B</i> , 2016 , 25, 018203	1.2	20
185	Three-dimensional sandwich-type graphene@microporous carbon architecture for lithium-sulfur batteries. <i>RSC Advances</i> , 2016 , 6, 617-622	3.7	38
184	Wet Chemistry Synthesis of Multidimensional Nanocarbon-Sulfur Hybrid Materials with Ultrahigh Sulfur Loading for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3584-90	9.5	97
183	Sulfur Confined in Sub-Nanometer-Sized 2 D Graphene Interlayers and Its Electrochemical Behavior in Lithium-Sulfur Batteries. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2690-2694	4.5	21
182	Cathode Materials: Enhancing the Kinetics of Li-Rich Cathode Materials through the Pinning Effects of Gradient Surface Na ⁺ Doping (Adv. Energy Mater. 6/2016). <i>Advanced Energy Materials</i> , 2016 , 6,	21.8	4
181	Enhancing the Kinetics of Li-Rich Cathode Materials through the Pinning Effects of Gradient Surface Na ⁺ Doping. <i>Advanced Energy Materials</i> , 2016 , 6, 1501914	21.8	185
180	The Electrochemistry with Lithium versus Sodium of Selenium Confined To Slit Micropores in Carbon. <i>Nano Letters</i> , 2016 , 16, 4560-8	11.5	117

179	Suppressing the P2-O2 Phase Transition of Na _{0.67} Mn _{0.67} Ni _{0.33} O ₂ by Magnesium Substitution for Improved Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7445-9	16.4	330
178	Subzero-Temperature Cathode for a Sodium-Ion Battery. <i>Advanced Materials</i> , 2016 , 28, 7243-8	24	299
177	A New All-Solid-State Hyperbranched Star Polymer Electrolyte for Lithium Ion Batteries: Synthesis and Electrochemical Properties. <i>Electrochimica Acta</i> , 2016 , 212, 372-379	6.7	37
176	Reshaping Lithium Plating/Stripping Behavior via Bifunctional Polymer Electrolyte for Room-Temperature Solid Li Metal Batteries. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15825-15828	16.4	329
175	Rechargeable dual-metal-ion batteries for advanced energy storage. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 9326-33	3.6	66
174	Nitrogen and Sulfur Codoped Reduced Graphene Oxide as a General Platform for Rapid and Sensitive Fluorescent Detection of Biological Species. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 11255-61	9.5	37
173	Synthesis and Electrochemical Properties of a High Capacity Li-rich Cathode Material in molten KCl-Na ₂ CO ₃ flux. <i>Electrochimica Acta</i> , 2016 , 196, 749-755	6.7	7
172	Rice husk-derived hierarchical silicon/nitrogen-doped carbon/carbon nanotube spheres as low-cost and high-capacity anodes for lithium-ion batteries. <i>Nano Energy</i> , 2016 , 25, 120-127	17.1	360
171	Synthesis of FeS@C-N hierarchical porous microspheres for the applications in lithium/sodium ion batteries. <i>Journal of Alloys and Compounds</i> , 2016 , 688, 790-797	5.7	57
170	Sodium iron hexacyanoferrate with high Na content as a Na-rich cathode material for Na-ion batteries. <i>Nano Research</i> , 2015 , 8, 117-128	10	221
169	A further electrochemical investigation on solutions to high energetical power sources: isomeric compound 0.75Li _{1.2} Ni _{0.2} Mn _{0.6} O ₂ ·0.25LiNi _{0.5} Mn _{1.5} O ₄ . <i>RSC Advances</i> , 2015 , 5, 37330-37339	3.7	16
168	Subunits controlled synthesis of Fe ₂ O ₃ multi-shelled core-shell microspheres and their effects on lithium/sodium ion battery performances. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10092-10099	13	82
167	Insight into the loading temperature of sulfur on sulfur/carbon cathode in lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2015 , 185, 62-68	6.7	31
166	Accommodating lithium into 3D current collectors with a submicron skeleton towards long-life lithium metal anodes. <i>Nature Communications</i> , 2015 , 6, 8058	17.4	1030
165	Safety-Reinforced Poly(Propylene Carbonate)-Based All-Solid-State Polymer Electrolyte for Ambient-Temperature Solid Polymer Lithium Batteries. <i>Advanced Energy Materials</i> , 2015 , 5, 1501082	21.8	391
164	Improving the Electrochemical Performance of the Li ₄ Ti ₅ O ₁₂ Electrode in a Rechargeable Magnesium Battery by Lithium-Magnesium Co-Intercalation. <i>Angewandte Chemie</i> , 2015 , 127, 5849-5853	3.6	26
163	Improving the electrochemical performance of the Li ₄ Ti ₅ O ₁₂ electrode in a rechargeable magnesium battery by lithium-magnesium co-intercalation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5757-61	16.4	139
162	High-Capacity Te Anode Confined in Microporous Carbon for Long-Life Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 27838-44	9.5	55

161	Improving the electrochemical properties of the red P anode in Na-ion batteries via the space confinement of carbon nanopores. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24221-24225	13	41
160	Elemental Selenium for Electrochemical Energy Storage. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 256-66	6.4	187
159	Electrochemical (de)lithiation of 1D sulfur chains in Li-S batteries: a model system study. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2215-8	16.4	179
158	Hierarchically micro/mesoporous activated graphene with a large surface area for high sulfur loading in LiS batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4799-4802	13	114
157	A Sandwich-Like Hierarchically Porous Carbon/Graphene Composite as a High-Performance Anode Material for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2014 , 4, 1301584	21.8	341
156	Submicrometer porous Li ₃ V ₂ (PO ₄) ₃ /C composites with high rate electrochemical performance prepared by sol-gel combustion method. <i>Electrochimica Acta</i> , 2014 , 137, 489-496	6.7	30
155	A high-energy room-temperature sodium-sulfur battery. <i>Advanced Materials</i> , 2014 , 26, 1261-5	24	446
154	A High-Capacity Tellurium@Carbon Anode Material for Lithium-Ion Batteries. <i>Energy Technology</i> , 2014 , 2, 757-762	3.5	54
153	Single nanowire electrode electrochemistry of silicon anode by in situ atomic force microscopy: solid electrolyte interphase growth and mechanical properties. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 20317-23	9.5	80
152	Advanced Se@nanocomposites: a bifunctional electrode material for both LiSe and Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13293	13	114
151	High-quality Prussian blue crystals as superior cathode materials for room-temperature sodium-ion batteries. <i>Energy and Environmental Science</i> , 2014 , 7, 1643-1647	35.4	691
150	L-Histidine-assisted template-free hydrothermal synthesis of Fe ₂ O ₃ porous multi-shelled hollow spheres with enhanced lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12361-12367	13	31
149	Two-dimensional Cr ₂ O ₃ and interconnected graphene/Cr ₂ O ₃ nanosheets: synthesis and their application in lithium storage. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 944-948	13	44
148	Hydrothermal reduction of three-dimensional graphene oxide for binder-free flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10830	13	90
147	Insight into the effect of boron doping on sulfur/carbon cathode in lithium-sulfur batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8789-95	9.5	254
146	Highly Disordered Carbon as a Superior Anode Material for Room-Temperature Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2014 , 1, 83-86	4.3	150
145	Batteries: A High-Energy Room-Temperature Sodium-Sulfur Battery (Adv. Mater. 8/2014). <i>Advanced Materials</i> , 2014 , 26, 1308-1308	24	2
144	Ultra-uniform SnO _x /carbon nanohybrids toward advanced lithium-ion battery anodes. <i>Advanced Materials</i> , 2014 , 26, 3943-9	24	283

143	Preparation of sulfur/multiple pore size porous carbon composite via gas-phase loading method for lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2014 , 137, 411-415	6.7	10
142	Core-shell meso/microporous carbon host for sulfur loading toward applications in lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2014 , 23, 308-314	12	49
141	Effect of cations in ionic liquids on the electrochemical performance of lithium-sulfur batteries. <i>Science China Chemistry</i> , 2014 , 57, 1564-1569	7.9	44
140	A highly reversible, low-strain Mg-ion insertion anode material for rechargeable Mg-ion batteries. <i>NPG Asia Materials</i> , 2014 , 6, e120-e120	10.3	105
139	Size-dependent electrochemical magnesium storage performance of spinel lithium titanate. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 2099-102	4.5	28
138	Copper germanate nanowire/reduced graphene oxide anode materials for high energy lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11404	13	67
137	A novel polymer electrolyte with improved high-temperature-tolerance up to 170°C for high-temperature lithium-ion batteries. <i>Journal of Power Sources</i> , 2013 , 244, 234-239	8.9	50
136	Carbon-supported Ni@NiO/Al ₂ O ₃ integrated nanocomposite derived from layered double hydroxide precursor as cycling-stable anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2013 , 108, 429-434	6.7	34
135	Synthesis of wurtzite Cu ₂ ZnGeSe ₄ nanocrystals and their thermoelectric properties. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2383-7	4.5	20
134	Encapsulation of Sulfur in a Hollow Porous Carbon Substrate for Superior Li-S Batteries with Long Lifespan. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 321-325	3.1	85
133	Lithium-sulfur batteries: electrochemistry, materials, and prospects. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13186-200	16.4	1989
132	Layer structured Fe ₃ O ₄ /nanodisk/reduced graphene oxide composites as high-performance anode materials for lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 3932-6	9.5	114
131	A zero-strain insertion cathode material of nickel ferricyanide for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14061	13	159
130	A PEO-assisted electrospun silicon/graphene composite as an anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9019	13	66
129	Wet milled synthesis of an Sb/MWCNT nanocomposite for improved sodium storage. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13727	13	169
128	A carbon-coated Li ₃ V ₂ (PO ₄) ₃ cathode material with an enhanced high-rate capability and long lifespan for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2508	13	90
127	Synthesis of MoS ₂ nanosheet-graphene nanosheet hybrid materials for stable lithium storage. <i>Chemical Communications</i> , 2013 , 49, 1838-40	5.8	276
126	Enhanced working temperature of PEO-based polymer electrolyte via porous PTFE film as an efficient heat resistor. <i>Solid State Ionics</i> , 2013 , 245-246, 1-7	3.3	26

125	Integrated prototype nanodevices via SnO ₂ nanoparticles decorated SnSe nanosheets. <i>Scientific Reports</i> , 2013 , 3, 2613	4.9	41
124	Binding SnO ₂ nanocrystals in nitrogen-doped graphene sheets as anode materials for lithium-ion batteries. <i>Advanced Materials</i> , 2013 , 25, 2152-7	24	951
123	Carbon-Nanotube-Decorated Nano-LiFePO ₄ @C Cathode Material with Superior High-Rate and Low-Temperature Performances for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2013 , 3, 1155-1160	21.8	294
122	Improving the Li-ion storage performance of layered zinc silicate through the interlayer carbon and reduced graphene oxide networks. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 5777-82	9.5	45
121	Electrospun silicon nanoparticle/porous carbon hybrid nanofibers for lithium-ion batteries. <i>Small</i> , 2013 , 9, 2684-8	11	153
120	High-safety lithium-sulfur battery with prelithiated Si/C anode and ionic liquid electrolyte. <i>Electrochimica Acta</i> , 2013 , 91, 58-61	6.7	113
119	Tuning the porous structure of carbon hosts for loading sulfur toward long lifespan cathode materials for LiS batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6602	13	170
118	Rational design of anode materials based on Group IVA elements (Si, Ge, and Sn) for lithium-ion batteries. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 1948-58	4.5	163
117	Synthesis and electrochemical performance of sulfur/carbon composite cathode for lithium/sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 115-119	2.6	16
116	Tin Nanoparticles Impregnated in Nitrogen-Doped Graphene for Lithium-Ion Battery Anodes. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 25367-25373	3.8	110
115	SYNTHESIS AND ELECTROCHEMICAL PROPERTIES OF POLY-[2, 5-DI-N-(2, 2, 6, 6-TETRAMETHYL-4-PIPERIDINE-N-OXYL) BENZAMIDE] ANILINE AS A CATHODE MATERIAL FOR LITHIUM-ION BATTERIES. <i>Journal of Molecular and Engineering Materials</i> , 2013 , 01, 1340019	1.3	1
114	An advanced selenium-carbon cathode for rechargeable lithium-selenium batteries. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8363-7	16.4	330
113	PTMA/Graphene as a Novel Cathode Material for Rechargeable Magnesium Batteries. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2013 , 29, 2295-2299	3.8	17
112	Batteries: Encapsulation of Sulfur in a Hollow Porous Carbon Substrate for Superior Li-S Batteries with Long Lifespan (Part. Part. Syst. Charact. 4/2013). <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 392-392	3.1	
111	Nanoparticles Engineering for Lithium-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 737-753	3.1	22
110	An Advanced Selenium/Carbon Cathode for Rechargeable Lithium/Selenium Batteries. <i>Angewandte Chemie</i> , 2013 , 125, 8521-8525	3.6	47
109	Lithium-Schwefel-Batterien: Elektrochemie, Materialien und Perspektiven. <i>Angewandte Chemie</i> , 2013 , 125, 13426-13441	3.6	163
108	Nitroxide radical polymer/graphene nanocomposite as an improved cathode material for rechargeable lithium batteries. <i>Electrochimica Acta</i> , 2012 , 72, 81-86	6.7	36

107	Nanocarbon networks for advanced rechargeable lithium batteries. <i>Accounts of Chemical Research</i> , 2012 , 45, 1759-69	24.3	488
106	Facile synthesis of silicon nanoparticles inserted into graphene sheets as improved anode materials for lithium-ion batteries. <i>Chemical Communications</i> , 2012 , 48, 2198-200	5.8	379
105	Spin-coated silicon nanoparticle/graphene electrode as a binder-free anode for high-performance lithium-ion batteries. <i>Nano Research</i> , 2012 , 5, 845-853	10	105
104	Smaller sulfur molecules promise better lithium-sulfur batteries. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18510-3	16.4	1317
103	Initial solid electrolyte interphase formation process of graphite anode in LiPF ₆ electrolyte: an in situ ECSTM investigation. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 7330-6	3.6	31
102	Ionothermal synthesis of sulfur-doped porous carbons hybridized with graphene as superior anode materials for lithium-ion batteries. <i>Chemical Communications</i> , 2012 , 48, 10663-5	5.8	252
101	AuCu alloy bridged synthesis and optoelectronic properties of Au@CuInSe ₂ core-shell hybrid nanostructures. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1765-1769		20
100	Improved kinetics of LiNi(1/3)Mn(1/3)Co(1/3)O ₂ cathode material through reduced graphene oxide networks. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 2934-9	3.6	85
99	Rutile-TiO ₂ nanocoating for a high-rate Li ₄ Ti ₅ O ₁₂ anode of a lithium-ion battery. <i>Journal of the American Chemical Society</i> , 2012 , 134, 7874-9	16.4	551
98	Self-Assembled LiFePO ₄ /C Nano/Microspheres by Using Phytic Acid as Phosphorus Source. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 5019-5024	3.8	93
97	Superior hybrid cathode material containing lithium-excess layered material and graphene for lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 4858-63	9.5	105
96	Facile synthesis of MoS ₂ @CMK-3 nanocomposite as an improved anode material for lithium-ion batteries. <i>Nanoscale</i> , 2012 , 4, 5868-71	7.7	225
95	Amine-free preparation of SnSe nanosheets with high crystallinity and their lithium storage properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 406, 1-5	5.1	27
94	Nanostructured polyaniline-decorated Pt/C@PANI core-shell catalyst with enhanced durability and activity. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13252-5	16.4	373
93	Wurtzite Cu ₂ ZnSnSe ₄ nanocrystals for high-performance organic/inorganic hybrid photodetectors. <i>NPG Asia Materials</i> , 2012 , 4, e2-e2	10.3	109
92	A robust composite of SnO ₂ hollow nanospheres wrapped by graphene as a high-capacity anode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17456		123
91	Improving the electrode performance of Ge through Ge@C core-shell nanoparticles and graphene networks. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2512-5	16.4	411
90	Silicon-based nanomaterials for lithium-ion batteries. <i>Science Bulletin</i> , 2012 , 57, 4104-4110		55

89	Superior radical polymer cathode material with a two-electron process redox reaction promoted by graphene. <i>Energy and Environmental Science</i> , 2012 , 5, 5221-5225	35.4	207
88	Efficient 3D conducting networks built by graphene sheets and carbon nanoparticles for high-performance silicon anode. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2824-8	9.5	133
87	Low-cost and large-scale synthesis of alkaline earth metal germanate nanowires as a new class of lithium ion battery anode material. <i>Energy and Environmental Science</i> , 2012 , 5, 8007	35.4	106
86	Anisotropic photoresponse properties of single micrometer-sized GeSe nanosheet. <i>Advanced Materials</i> , 2012 , 24, 4528-33	24	196
85	Self-Assembled Nanocomposite of Silicon Nanoparticles Encapsulated in Graphene through Electrostatic Attraction for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2012 , 2, 1086-1090	21.8	401
84	SnO ₂ hollow spheres: Polymer bead-templated hydrothermal synthesis and their electrochemical properties for lithium storage. <i>Science China Chemistry</i> , 2012 , 55, 1314-1318	7.9	30
83	Synthesis of nanostructured SnO ₂ /C microfibers with improved performances as anode material for Li-ion batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 2581-5	1.3	11
82	Bandgap engineering of monodispersed Cu(2-x)S(y)Se(1-y) nanocrystals through chalcogen ratio and crystal structure. <i>Journal of the American Chemical Society</i> , 2011 , 133, 18558-61	16.4	86
81	Better lithium-ion batteries with nanocable-like electrode materials. <i>Energy and Environmental Science</i> , 2011 , 4, 1634	35.4	114
80	Polyethylene glycol-directed SnO ₂ nanowires for enhanced gas-sensing properties. <i>Nanoscale</i> , 2011 , 3, 1802-6	7.7	33
79	Wet chemical synthesis of Cu/TiO ₂ nanocomposites with integrated nano-current-collectors as high-rate anode materials in lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 2014-2036	3.6	66
78	Electrospray Synthesis of Silicon/Carbon Nanoporous Microspheres as Improved Anode Materials for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14148-14154	3.8	163
77	Microfluidic etching for fabrication of flexible and all-solid-state micro supercapacitor based on MnO ₂ nanoparticles. <i>Nanoscale</i> , 2011 , 3, 2703-8	7.7	130
76	Supercapacitor-battery hybrid energy storage devices from an aqueous nitroxide radical active material. <i>Science Bulletin</i> , 2011 , 56, 2433-2436		5
75	Facile synthesis of germanium nanocrystals and their application in organic-inorganic hybrid photodetectors. <i>Advanced Materials</i> , 2011 , 23, 3704-7	24	94
74	Cu-Si nanocable arrays as high-rate anode materials for lithium-ion batteries. <i>Advanced Materials</i> , 2011 , 23, 4415-20	24	266
73	Eco-friendly visible-wavelength photodetectors based on bandgap engineerable nanomaterials. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17582		38
72	A facile synthesis and lithium storage properties of Co ₃ O ₄ /Ti hybrid core-shell and hollow spheres. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17998		55

71	Enhanced Li ⁺ conductivity in PEO/PEO-BOB polymer electrolytes by using succinonitrile as a plasticizer. <i>Solid State Ionics</i> , 2011 , 186, 1-6	3.3	81
70	Synthesis of flake-like MnO ₂ /CNT composite nanotubes and their applications in electrochemical capacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 1996-2002	1.3	4
69	Template-free synthesis and supercapacitance performance of a hierarchically porous oxygen-enriched carbon material. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 1897-904	1.3	24
68	Hierarchically Nanostructured Electrode Materials for Lithium-Ion Batteries 2011 , 237-266		
67	Synthesis of nanostructured fibers consisting of carbon coated Mn ₃ O ₄ nanoparticles and their application in electrochemical capacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 8158-63 ¹⁻³		12
66	Mono dispersed SnO ₂ nanoparticles on both sides of single layer graphene sheets as anode materials in Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5462		338
65	Synthesis of CuO/graphene nanocomposite as a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 10661		346
64	Symbiotic Coaxial Nanocables: Facile Synthesis and an Efficient and Elegant Morphological Solution to the Lithium Storage Problem. <i>Chemistry of Materials</i> , 2010 , 22, 1908-1914	9.6	185
63	Synthesis of monodispersed wurtzite structure CuInSe ₂ nanocrystals and their application in high-performance organic-inorganic hybrid photodetectors. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12218-21	16.4	221
62	Programmed Fabrication of Metal Oxides Nanostructures Using Dual Templates to Spatially Disperse Metal Oxide Nanocrystals. <i>Chemistry of Materials</i> , 2010 , 22, 414-419	9.6	40
61	Non-sacrificial template synthesis of Cr ₂ O ₃ hierarchical core/shell nanospheres and their application as anode materials in lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7565		62
60	Facile Synthesis of Mesoporous TiO ₂ Nanosphere as an Improved Anode Material for Superior High Rate 1.5 V Rechargeable Li Ion Batteries Containing LiFePO ₄ Cathode. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 10308-10313	3.8	109
59	Highly Dispersed RuO ₂ Nanoparticles on Carbon Nanotubes: Facile Synthesis and Enhanced Supercapacitance Performance. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 2448-2451	3.8	274
58	Microscopic evidence of a new 9R-AgI polytype heterostructure. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 3341-5	1.3	1
57	Preparation and li storage properties of hierarchical porous carbon fibers derived from alginic acid. <i>ChemSusChem</i> , 2010 , 3, 703-7	8.3	87
56	Synthesis and Lithium Storage Properties of Co ₃ O ₄ Nanosheet-Assembled Multishelled Hollow Spheres. <i>Advanced Functional Materials</i> , 2010 , 20, 1680-1686	15.6	615
55	Self-wound composite nanomembranes as electrode materials for lithium ion batteries. <i>Advanced Materials</i> , 2010 , 22, 4591-5	24	92
54	DNA-Templated Synthesis of Cationic Poly(3,4-ethylenedioxythiophene) Derivative for Supercapacitor Electrodes. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1892-6	4.8	24

53	LiFePO ₄ Nanoparticles Embedded in a Nanoporous Carbon Matrix: Superior Cathode Material for Electrochemical Energy-Storage Devices. <i>Advanced Materials</i> , 2009 , 21, 2710-2714	24	597
52	Superior storage performance of carbon nanosprings as anode materials for lithium-ion batteries. <i>Electrochemistry Communications</i> , 2009 , 11, 1468-1471	5.1	56
51	SnO ₂ -Based Hierarchical Nanomicrostructures: Facile Synthesis and Their Applications in Gas Sensors and Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14213-14219	3.8	171
50	Solvothermal Synthesis of LiFePO ₄ Hierarchically Dumbbell-Like Microstructures by Nanoplate Self-Assembly and Their Application as a Cathode Material in Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3345-3351	3.8	172
49	High performance photodetectors of individual InSe single crystalline nanowire. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15602-3	16.4	98
48	Synthesis of Single-Crystalline Co ₃ O ₄ Octahedral Cages with Tunable Surface Aperture and Their Lithium Storage Properties. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 15553-15558	3.8	133
47	High-Yield Gas-Liquid Interfacial Synthesis of Highly Dispersed Fe ₃ O ₄ Nanocrystals and Their Application in Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2009 , 21, 1162-1166	9.6	244
46	Introducing Dual Functional CNT Networks into CuO Nanomicrospheres toward Superior Electrode Materials for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2008 , 20, 3617-3622	9.6	255
45	Fe ₂ O ₃ Nanostructures: Inorganic Salt-Controlled Synthesis and Their Electrochemical Performance toward Lithium Storage. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 16824-16829	3.8	200
44	Carbon Coated Fe ₃ O ₄ Nanospindles as a Superior Anode Material for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2008 , 18, 3941-3946	15.6	1119
43	Tin-Nanoparticles Encapsulated in Elastic Hollow Carbon Spheres for High-Performance Anode Material in Lithium-Ion Batteries. <i>Advanced Materials</i> , 2008 , 20, 1160-1165	24	938
42	Ion-Transfer-Based Growth: A Mechanism for CuTCNQ Nanowire Formation. <i>Advanced Materials</i> , 2008 , 20, 4879-4882	24	35
41	Nanostructured Materials for Electrochemical Energy Conversion and Storage Devices. <i>Advanced Materials</i> , 2008 , 20, 2878-2887	24	1893
40	Preparation of ZnO Nanostructures by Thermal Degradation of Zinc Alginate Fibers. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2008 , 24, 2179-2184	3.8	3
39	Superior Electrode Performance of Nanostructured Mesoporous TiO ₂ (Anatase) through Efficient Hierarchical Mixed Conducting Networks. <i>Advanced Materials</i> , 2007 , 19, 2087-2091	24	561
38	Improved Electrode Performance of Porous LiFePO ₄ Using RuO ₂ as an Oxidic Nanoscale Interconnect. <i>Advanced Materials</i> , 2007 , 19, 1963-1966	24	360
37	AgI Nanoplates in Unusual 7H/9R Structures. <i>Journal of the Electrochemical Society</i> , 2007 , 154, K51	3.9	15
36	High Lithium Electroactivity of Nanometer-Sized Rutile TiO ₂ . <i>Advanced Materials</i> , 2006 , 18, 1421-1426	24	767

35	Synthesis of hierarchically mesoporous anatase spheres and their application in lithium batteries. <i>Chemical Communications</i> , 2006 , 2783-5	5.8	207
34	Electrochemical lithiation synthesis of nanoporous materials with superior catalytic and capacitive activity. <i>Nature Materials</i> , 2006 , 5, 713-7	27	202
33	High-performance rechargeable all-solid-state silver battery based on superionic AgI nanoplates. <i>Electrochemistry Communications</i> , 2006 , 8, 1179-1184	5.1	29
32	Preparation and characterization of AgI nanoparticles with controlled size, morphology and crystal structure. <i>Solid State Ionics</i> , 2006 , 177, 2467-2471	3.3	36
31	Ni-Pt multilayered nanowire arrays with enhanced coercivity and high remanence ratio. <i>Inorganic Chemistry</i> , 2005 , 44, 3013-5	5.1	78
30	Three-dimensional self-organization of supramolecular self-assembled porphyrin hollow hexagonal nanoprisms. <i>Journal of the American Chemical Society</i> , 2005 , 127, 17090-5	16.4	287
29	Mass production and high photocatalytic activity of ZnS nanoporous nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1269-73	16.4	511
28	Mass Production and High Photocatalytic Activity of ZnS Nanoporous Nanoparticles. <i>Angewandte Chemie</i> , 2005 , 117, 1295-1299	3.6	154
27	TiO ₂ -Based Composite Nanotube Arrays Prepared via Layer-by-Layer Assembly. <i>Advanced Functional Materials</i> , 2005 , 15, 196-202	15.6	99
26	Template Synthesis of Sc@C ₈₂ (I) Nanowires and Nanotubes at Room Temperature. <i>Advanced Materials</i> , 2005 , 17, 71-73	24	33
25	Tin/Platinum Bimetallic Nanotube Array and its Electrocatalytic Activity for Methanol Oxidation. <i>Advanced Materials</i> , 2005 , 17, 746-750	24	90
24	Local Conductivity Effects in Polymer Electrolytes. <i>Advanced Materials</i> , 2005 , 17, 2630-2634	24	56
23	AgI Nanoplates with Mesoscopic Superionic Conductivity at Room Temperature. <i>Advanced Materials</i> , 2005 , 17, 2815-2819	24	63
22	Influence of self-assembly monolayers on the characteristics of copper phthalocyanine thin film transistor. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 80, 1541-1545	2.6	30
21	Nanoarchitected metal film electrodes with high electroactive surface areas. <i>Thin Solid Films</i> , 2005 , 484, 341-345	2.2	22
20	Controlled fabrication of fullerene derivative one-dimensional nanostructures via electrophoretic deposition of its clusters. <i>Science Bulletin</i> , 2004 , 49, 2021		1
19	Pt hollow nanospheres: facile synthesis and enhanced electrocatalysts. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 1540-3	16.4	631
18	Pt Hollow Nanospheres: Facile Synthesis and Enhanced Electrocatalysts. <i>Angewandte Chemie</i> , 2004 , 116, 1566-1569	3.6	121

17	The effects of annealing on the structures and electrical conductivities of fullerene-derived nanowires. <i>Journal of Materials Chemistry</i> , 2004 , 14, 914		10
16	Interface Assembly Synthesis of Inorganic Composite Hollow Spheres. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 9734-9738	3.4	58
15	Fabrication and characterization of highly ordered Pt nanotubule arrays. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 1766	3.6	30
14	Controllable AuPt bimetallic hollow nanostructures. <i>Chemical Communications</i> , 2004 , 1496-7	5.8	117
13	Well-Defined Fullerene Nanowire Arrays. <i>Advanced Functional Materials</i> , 2003 , 13, 626-630	15.6	60
12	Ordered NiCu Nanowire Array with Enhanced Coercivity. <i>Chemistry of Materials</i> , 2003 , 15, 664-667	9.6	105
11	Gold/Titania Core/Sheath Nanowires Prepared by Layer-by-Layer Assembly. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 5441-5444	3.4	60
10	Novel electrocatalytic activity in layered Ni-Cu nanowire arrays. <i>Chemical Communications</i> , 2003 , 3022-3	5.8	26
9	Highly Dispersed Metal Nanoparticles in Porous Anodic Alumina Films Prepared by a Breathing Process of Polyacrylamide Hydrogel. <i>Chemistry of Materials</i> , 2003 , 15, 4332-4336	9.6	55
8	Nanocrystal size control by bath temperature in electrodeposited CdSe thin films. <i>Journal of Materials Chemistry</i> , 2003 , 13, 360-364		19
7	Highly Ordered and Well-oriented Single-crystal CdTe Nanowire Arrays by Direct-current Electrodeposition. <i>Journal of Materials Research</i> , 2002 , 17, 1711-1714	2.5	17
6	Preparation and dispersion of NiCu composite nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 3422-3424	3.6	15
5	Edge-Rich Multidimensional Frame Carbon as High-Performance Electrode Material for Vanadium Redox Flow Batteries. <i>Advanced Energy Materials</i> , 2103186	21.8	3
4	A Universal Strategy toward Air-Stable and High-Rate O ₃ Layered Oxide Cathodes for Na-Ion Batteries. <i>Advanced Functional Materials</i> , 2111466	15.6	5
3	Advanced Electrolytes Enabling Safe and Stable Rechargeable Li-Metal Batteries: Progress and Prospects. <i>Advanced Functional Materials</i> , 2105253	15.6	16
2	Mitigating the Large-Volume Phase Transition of P2-Type Cathodes by Synergetic Effect of Multiple Ions for Improved Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2103461	21.8	11
1	In Situ Electrochemical Regeneration of Degraded LiFePO ₄ Electrode with Functionalized Prelithiation Separator. <i>Advanced Energy Materials</i> , 2103630	21.8	5