

Zai-Ping Guo

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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.

525
papers

33,867
citations

98
h-index

156
g-index

549
ext. papers

40,052
ext. citations

10.5
avg, IF

7.89
L-index

#	Paper	IF	Citations
525	Phosphorus-Based Alloy Materials for Advanced Potassium-Ion Battery Anode. <i>Journal of the American Chemical Society</i> , 2017 , 139, 3316-3319	16.4	629
524	Confining sulfur in double-shelled hollow carbon spheres for lithium-sulfur batteries. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9592-5	16.4	625
523	Highly reversible lithium storage in spheroidal carbon-coated silicon nanocomposites as anodes for lithium-ion batteries. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6896-9	16.4	611
522	Enhanced sodium-ion battery performance by structural phase transition from two-dimensional hexagonal-SnS ₂ to orthorhombic-SnS. <i>ACS Nano</i> , 2014 , 8, 8323-33	16.7	534
521	Boosted Charge Transfer in SnS/SnO ₂ Heterostructures: Toward High Rate Capability for Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3408-13	16.4	505
520	Approaching high-performance potassium-ion batteries via advanced design strategies and engineering. <i>Science Advances</i> , 2019 , 5, eaav7412	14.3	496
519	Superior stability and high capacity of restacked molybdenum disulfide as anode material for lithium ion batteries. <i>Chemical Communications</i> , 2010 , 46, 1106-8	5.8	480
518	Recent progress on sodium ion batteries: potential high-performance anodes. <i>Energy and Environmental Science</i> , 2018 , 11, 2310-2340	35.4	425
517	Understanding High-Energy-Density Sn ₄ P ₃ Anodes for Potassium-Ion Batteries. <i>Joule</i> , 2018 , 2, 1534-1547	7.8	365
516	Graphitic Carbon Nanocage as a Stable and High Power Anode for Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1801149	21.8	315
515	CoS Quantum Dot Nanoclusters for High-Energy Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2017 , 27, 1702634	15.6	311
514	Boosting the Potassium Storage Performance of Alloy-Based Anode Materials via Electrolyte Salt Chemistry. <i>Advanced Energy Materials</i> , 2018 , 8, 1703288	21.8	304
513	Synthesis of molybdenum disulfide (MoS ₂) for lithium ion battery applications. <i>Materials Research Bulletin</i> , 2009 , 44, 1811-1815	5.1	297
512	Recent progress and perspectives on aqueous Zn-based rechargeable batteries with mild aqueous electrolytes. <i>Energy Storage Materials</i> , 2019 , 20, 410-437	19.4	295
511	An In-Depth Study of Zn Metal Surface Chemistry for Advanced Aqueous Zn-Ion Batteries. <i>Advanced Materials</i> , 2020 , 32, e2003021	24	286
510	Heterogeneous Spin States in Ultrathin Nanosheets Induce Subtle Lattice Distortion To Trigger Efficient Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5087-92	16.4	277
509	Designing Dendrite-Free Zinc Anodes for Advanced Aqueous Zinc Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 2001263	15.6	269

508	3D Hierarchical Porous Fe ₂ O ₃ Nanosheets for High-Performance Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2015 , 5, 1401421	21.8	267
507	Carbon-coated SnO ₂ /graphene nanosheets as highly reversible anode materials for lithium ion batteries. <i>Carbon</i> , 2012 , 50, 1897-1903	10.4	262
506	Confining Sulfur in Double-Shelled Hollow Carbon Spheres for Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2012 , 124, 9730-9733	3.6	261
505	Atomic Interface Engineering and Electric-Field Effect in Ultrathin Bi MoO Nanosheets for Superior Lithium Ion Storage. <i>Advanced Materials</i> , 2017 , 29, 1700396	24	251
504	Sulphur-polypyrrole composite positive electrode materials for rechargeable lithium batteries. <i>Electrochimica Acta</i> , 2006 , 51, 4634-4638	6.7	245
503	Catalytic role of Ge in highly reversible GeO ₂ /Ge/C nanocomposite anode material for lithium batteries. <i>Nano Letters</i> , 2013 , 13, 1230-6	11.5	244
502	Single wall carbon nanotube paper as anode for lithium-ion battery. <i>Electrochimica Acta</i> , 2005 , 51, 23-286.7		241
501	Hydrogen Storage Materials for Mobile and Stationary Applications: Current State of the Art. <i>ChemSusChem</i> , 2015 , 8, 2789-825	8.3	236
500	Highly reversible and large lithium storage in mesoporous si/c nanocomposite anodes with silicon nanoparticles embedded in a carbon framework. <i>Advanced Materials</i> , 2014 , 26, 6749-55	24	234
499	Monodisperse magnesium hydride nanoparticles uniformly self-assembled on graphene. <i>Advanced Materials</i> , 2015 , 27, 5981-8	24	220
498	Self-assembled germanium/carbon nanostructures as high-power anode material for the lithium-ion battery. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5657-61	16.4	218
497	Tuning nitrogen species in three-dimensional porous carbon via phosphorus doping for ultra-fast potassium storage. <i>Nano Energy</i> , 2019 , 57, 728-736	17.1	210
496	Additive-free synthesis of 3D porous V ₂ O ₅ hierarchical microspheres with enhanced lithium storage properties. <i>Energy and Environmental Science</i> , 2013 , 6, 974	35.4	200
495	Enhanced Structural Stability of Nickel-Cobalt Hydroxide via Intrinsic Pillar Effect of Metaborate for High-Power and Long-Life Supercapacitor Electrodes. <i>Nano Letters</i> , 2017 , 17, 429-436	11.5	196
494	Deeply understanding the Zn anode behaviour and corresponding improvement strategies in different aqueous Zn-based batteries. <i>Energy and Environmental Science</i> , 2020 , 13, 3917-3949	35.4	191
493	In Situ Construction of 3D Interconnected FeS@Fe ₃ C@Graphitic Carbon Networks for High-Performance Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2017 , 27, 1703390	15.6	190
492	An All-Integrated Anode via Interlinked Chemical Bonding between Double-Shelled-Yolk-Structured Silicon and Binder for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2017 , 29, 1703028	24	185
491	Yolk-Shell Structured FeP@C Nanoboxes as Advanced Anode Materials for Rechargeable Lithium-/Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1808291	15.6	183

490	Advances in nanostructures fabricated via spray pyrolysis and their applications in energy storage and conversion. <i>Chemical Society Reviews</i> , 2019 , 48, 3015-3072	58.5	182
489	Integrated Carbon/Red Phosphorus/Graphene Aerogel 3D Architecture via Advanced Vapor-Redistribution for High-Energy Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1601037	21.8	182
488	Advances in Polar Materials for Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1707520	25.6	181
487	Carbon-coated MoO ₃ nanobelts as anode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , 2010 , 195, 2372-2376	8.9	178
486	A Strategy for Configuration of an Integrated Flexible Sulfur Cathode for High-Performance Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3992-6	16.4	177
485	Synthesis of MoS ₂ -C one-dimensional nanostructures with improved lithium storage properties. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 3765-8	9.5	171
484	Two-dimensional nanostructures for sodium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3284-3303	13	169
483	Rapid microwave-assisted synthesis of Mn ₃ O ₄ @graphene nanocomposite and its lithium storage properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3600		168
482	Biomass carbon micro/nano-structures derived from ramie fibers and corncobs as anode materials for lithium-ion and sodium-ion batteries. <i>Applied Surface Science</i> , 2016 , 379, 73-82	6.7	166
481	Boosting Zinc Electrode Reversibility in Aqueous Electrolytes by Using Low-Cost Antisolvents. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7366-7375	16.4	161
480	Boosting potassium-ion batteries by few-layered composite anodes prepared via solution-triggered one-step shear exfoliation. <i>Nature Communications</i> , 2018 , 9, 3645	17.4	160
479	Surface Engineering and Design Strategy for Surface-Amorphized TiO ₂ @Graphene Hybrids for High Power Li-Ion Battery Electrodes. <i>Advanced Science</i> , 2015 , 2, 1500027	13.6	159
478	Electrolyte Design for In Situ Construction of Highly Zn ²⁺ -Conductive Solid Electrolyte Interphase to Enable High-Performance Aqueous Zn-Ion Batteries under Practical Conditions. <i>Advanced Materials</i> , 2021 , 33, e2007416	24	158
477	Preparation and characterization of novel spinel Li ₄ Ti ₅ O ₁₂ -Br _x anode materials. <i>Electrochimica Acta</i> , 2009 , 54, 4772-4776	6.7	156
476	Ethanol gas sensor based on Al-doped ZnO nanomaterial with many gas diffusing channels. <i>Sensors and Actuators B: Chemical</i> , 2009 , 140, 549-556	8.5	155
475	The critical role of carbon in marrying silicon and graphite anodes for high-energy lithium-ion batteries 2019 , 1, 57-76		154
474	Study of silicon/polypyrrole composite as anode materials for Li-ion batteries. <i>Journal of Power Sources</i> , 2005 , 146, 448-451	8.9	154
473	Synthesis of uniform TiO ₂ @carbon composite nanofibers as anode for lithium ion batteries with enhanced electrochemical performance. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5848		152

472	Large-scale synthesis of ordered mesoporous carbon fiber and its application as cathode material for lithium-sulfur batteries. <i>Carbon</i> , 2015 , 81, 782-787	10.4	149
471	Synthesis of tungsten disulfide (WS ₂) nanoflakes for lithium ion battery application. <i>Electrochemistry Communications</i> , 2007 , 9, 119-122	5.1	148
470	Surface Engineering Strategies of Layered LiCoO ₂ Cathode Material to Realize High-Energy and High-Voltage Li-Ion Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1601507	21.8	146
469	Br-Doped Li ₄ Ti ₅ O ₁₂ and Composite TiO ₂ Anodes for Li-ion Batteries: Synchrotron X-Ray and in situ Neutron Diffraction Studies. <i>Advanced Functional Materials</i> , 2011 , 21, 3990-3997	15.6	145
468	Electrochemical lithiation and de-lithiation of MWNT _{Bn} /SnNi nanocomposites. <i>Carbon</i> , 2005 , 43, 1392-1399	12.4	144
467	A new energy storage system: Rechargeable potassium-selenium battery. <i>Nano Energy</i> , 2017 , 35, 36-43	17.1	138
466	Cathode Materials for Potassium-Ion Batteries: Current Status and Perspective. <i>Electrochemical Energy Reviews</i> , 2018 , 1, 625-658	29.3	137
465	Toward High-Performance Hybrid Zn-Based Batteries via Deeply Understanding Their Mechanism and Using Electrolyte Additive. <i>Advanced Functional Materials</i> , 2019 , 29, 1903605	15.6	136
464	Facile synthesis of carbon-coated MoS ₂ nanorods with enhanced lithium storage properties. <i>Electrochemistry Communications</i> , 2012 , 20, 7-10	5.1	134
463	An Intrinsically Non-flammable Electrolyte for High-Performance Potassium Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3638-3644	16.4	134
462	Synthesis of Ni(OH) ₂ /RGO pseudocomposite on nickel foam for supercapacitors with superior performance. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3641-3650	13	132
461	Unraveling the effect of salt chemistry on long-durability high-phosphorus-concentration anode for potassium ion batteries. <i>Nano Energy</i> , 2018 , 53, 967-974	17.1	132
460	Plasma-Induced Amorphous Shell and Deep Cation-Site S Doping Endow TiO with Extraordinary Sodium Storage Performance. <i>Advanced Materials</i> , 2018 , 30, e1801013	24	130
459	Integrated Intercalation-Based and Interfacial Sodium Storage in Graphene-Wrapped Porous Li ₄ Ti ₅ O ₁₂ Nanofibers Composite Aerogel. <i>Advanced Energy Materials</i> , 2016 , 6, 1600322	21.8	127
458	Enhanced hydrogen sorption properties of Ni and Co-catalyzed MgH ₂ . <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 4569-4575	6.7	127
457	Novel nano-silicon/polypyrrole composites for lithium storage. <i>Electrochemistry Communications</i> , 2007 , 9, 941-946	5.1	126
456	Feasibility of Cathode Surface Coating Technology for High-Energy Lithium-ion and Beyond-Lithium-ion Batteries. <i>Advanced Materials</i> , 2017 , 29, 1605807	24	125
455	Investigation of discharge reaction mechanism of lithium liquid electrolyte sulfur battery. <i>Journal of Power Sources</i> , 2009 , 189, 1179-1183	8.9	125

454	Pothole-rich Ultrathin WO Nanosheets that Trigger N ₂ N Bond Activation of Nitrogen for Direct Nitrate Photosynthesis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 731-735	16.4	125
453	Direct evidence of concurrent solid-solution and two-phase reactions and the nonequilibrium structural evolution of LiFePO ₄ . <i>Journal of the American Chemical Society</i> , 2012 , 134, 7867-73	16.4	123
452	MoO ₃ nanoparticles dispersed uniformly in carbon matrix: a high capacity composite anode for Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9350		120
451	A new class of cathode materials for rechargeable magnesium batteries: Organosulfur compounds based on sulfur-sulfur bonds. <i>Electrochemistry Communications</i> , 2007 , 9, 1913-1917	5.1	120
450	Anion Vacancies Regulating Endows MoS ₂ with Fast and Stable Potassium Ion Storage. <i>ACS Nano</i> , 2019 , 13, 11843-11852	16.7	117
449	Carbon-coated SnO ₂ @C with hierarchically porous structures and graphite layers inside for a high-performance lithium-ion battery. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2766-2773		117
448	Electrospun P2-type Na _{2/3} (Fe _{1/2} Mn _{1/2})O ₂ hierarchical nanofibers as cathode material for sodium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8953-8	9.5	116
447	Synthesis of Co ₃ O ₄ /Carbon composite nanowires and their electrochemical properties. <i>Journal of Power Sources</i> , 2011 , 196, 6987-6991	8.9	113
446	Simple fabrication of a Fe ₂ O ₃ /carbon composite for use in a high-performance lithium ion battery. <i>Carbon</i> , 2013 , 52, 565-573	10.4	112
445	Local Electric Field Facilitates High-Performance Li-Ion Batteries. <i>ACS Nano</i> , 2017 , 11, 8519-8526	16.7	112
444	Self-assembly of hierarchical star-like Co ₃ O ₄ micro/nanostructures and their application in lithium ion batteries. <i>Nanoscale</i> , 2013 , 5, 1922-8	7.7	110
443	Si-based anode materials for lithium rechargeable batteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 10055		108
442	Nanomaterials for lithium-ion rechargeable batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 1-15	1.3	107
441	Tin dioxide/carbon nanotube composites with high uniform SnO ₂ loading as anode materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2010 , 55, 2582-2586	6.7	106
440	Constructing CoO/Co ₃ S ₄ Heterostructures Embedded in N-doped Carbon Frameworks for High-Performance Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1901925	15.6	105
439	Metal chalcogenides for potassium storage. <i>Information Materials</i> , 2020 , 2, 437-465	23.1	104
438	Improved cyclability of lithium-sulfur battery cathode using encapsulated sulfur in hollow carbon nanofiber@nitrogen-doped porous carbon core-shell composite. <i>Carbon</i> , 2014 , 78, 1-9	10.4	104
437	Underwater self-cleaning scaly fabric membrane for oily water separation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4336-43	9.5	104

436	Controlled synthesis of β -Fe ₂ O ₃ nanostructures and their size-dependent electrochemical properties for lithium-ion batteries. <i>Journal of Power Sources</i> , 2008 , 184, 456-461	8.9	104
435	Ultra-fine porous SnO ₂ nanopowder prepared via a molten salt process: a highly efficient anode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3253		102
434	Rapid Synthesis of Amino Acid Polyoxometalate Nanotubes by One-Step Solid-State Chemical Reaction at Room Temperature. <i>Advanced Functional Materials</i> , 2006 , 16, 687-692	15.6	102
433	Rational design of Si@carbon with robust hierarchically porous custard-apple-like structure to boost lithium storage. <i>Nano Energy</i> , 2017 , 39, 253-261	17.1	100
432	Heterostructure Manipulation via in Situ Localized Phase Transformation for High-Rate and Highly Durable Lithium Ion Storage. <i>ACS Nano</i> , 2018 , 12, 10430-10438	16.7	100
431	2020 Roadmap on Carbon Materials for Energy Storage and Conversion. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 995-1013	4.5	99
430	Solvent-assisted molten salt process: A new route to synthesise β -Fe ₂ O ₃ /C nanocomposite and its electrochemical performance in lithium-ion batteries. <i>Electrochimica Acta</i> , 2010 , 55, 5006-5013	6.7	99
429	Toward a Reversible Mn ⁴⁺ /Mn ²⁺ Redox Reaction and Dendrite-Free Zn Anode in Near-Neutral Aqueous Zn/MnO ₂ Batteries via Salt Anion Chemistry. <i>Advanced Energy Materials</i> , 2020 , 10, 1904163	21.8	98
428	SnSb@carbon nanocable anchored on graphene sheets for sodium ion batteries. <i>Nano Research</i> , 2014 , 7, 1466-1476	10	98
427	Potassium ferrous ferricyanide nanoparticles as a high capacity and ultralong life cathode material for nonaqueous potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22465-22471	13	97
426	Hollow-Carbon-Templated Few-Layered VS Nanosheets Enabling Ultrafast Potassium Storage and Long-Term Cycling. <i>ACS Nano</i> , 2019 , 13, 7939-7948	16.7	97
425	Reversible sodium storage via conversion reaction of a MoSeC composite. <i>Chemical Communications</i> , 2014 , 50, 10730-3	5.8	97
424	A New Strategy for Achieving a High Performance Anode for Lithium Ion Batteries Encapsulating Germanium Nanoparticles in Carbon Nanoboxes. <i>Advanced Energy Materials</i> , 2016 , 6, 1501666	21.8	95
423	Synthesis and characterization of SnO ₂ /polypyrrole composite for lithium-ion battery. <i>Journal of Power Sources</i> , 2007 , 174, 1183-1187	8.9	94
422	Interplay between Electrochemistry and Phase Evolution of the P2-type Na _x (Fe ^{1/2} Mn ^{1/2})O ₂ Cathode for Use in Sodium-Ion Batteries. <i>Chemistry of Materials</i> , 2015 , 27, 3150-3158	9.6	93
421	Effects of carbon black, graphite and carbon nanotube additives on hydrogen storage properties of magnesium. <i>Journal of Alloys and Compounds</i> , 2007 , 427, 94-100	5.7	93
420	Mechanically strong high performance layered polypyrrole nano fibre/graphene film for flexible solid state supercapacitor. <i>Carbon</i> , 2014 , 79, 554-562	10.4	92
419	Manipulating the Solvation Structure of Nonflammable Electrolyte and Interface to Enable Unprecedented Stability of Graphite Anodes beyond 2 Years for Safe Potassium-Ion Batteries. <i>Advanced Materials</i> , 2021 , 33, e2006313	24	91

4 ¹⁸	Fluorinated phosphazene derivative [A promising electrolyte additive for high voltage lithium ion batteries: From electrochemical performance to corrosion mechanism. <i>Nano Energy</i> , 2018 , 46, 404-414	17.1	90
4 ¹⁷	Synthesis of Mn ₃ O ₄ -anchored graphene sheet nanocomposites via a facile, fast microwave hydrothermal method and their supercapacitive behavior. <i>Electrochimica Acta</i> , 2013 , 87, 801-808	6.7	90
4 ¹⁶	Boosted Charge Transfer in SnS/SnO ₂ Heterostructures: Toward High Rate Capability for Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2016 , 128, 3469-3474	3.6	90
4 ¹⁵	Structural Insight into Layer Gliding and Lattice Distortion in Layered Manganese Oxide Electrodes for Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1900568	21.8	89
4 ¹⁴	Porous Ni nanofibers with enhanced catalytic effect on the hydrogen storage performance of MgH ₂ . <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15843-15848	13	89
4 ¹³	Significantly improved dehydrogenation of LiBH ₄ destabilized by TiF ₃ . <i>Energy and Environmental Science</i> , 2010 , 3, 465-470	35.4	89
4 ¹²	Bimetallic metal-organic frameworks derived Ni-Co-Se@C hierarchical bundle-like nanostructures with high-rate pseudocapacitive lithium ion storage. <i>Energy Storage Materials</i> , 2019 , 17, 374-384	19.4	87
4 ¹¹	Nano-structured spherical porous SnO ₂ anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2006 , 159, 345-348	8.9	87
4 ¹⁰	Spherical Clusters of NiO Nanoshafsts for Lithium-Ion Battery Anodes. <i>Electrochemical and Solid-State Letters</i> , 2006 , 9, A524		86
4 ⁰⁹	p-Type SnO thin layers on n-type SnS ₂ nanosheets with enriched surface defects and embedded charge transfer for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 512-518	13	85
4 ⁰⁸	Enhanced hydrogen storage performances of NaBH ₄ /MgH ₂ system. <i>Journal of Alloys and Compounds</i> , 2009 , 479, 619-623	5.7	85
4 ⁰⁷	Free-standing V ₂ O ₅ electrode for flexible lithium ion batteries. <i>Electrochemistry Communications</i> , 2011 , 13, 383-386	5.1	84
4 ⁰⁶	Insight of a Phase Compatible Surface Coating for Long-Durable Li-Rich Layered Oxide Cathode. <i>Advanced Energy Materials</i> , 2019 , 9, 1901795	21.8	83
4 ⁰⁵	Highly porous reticular tin/cobalt oxide composite thin film anodes for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2009 , 19, 8360		83
4 ⁰⁴	Shape Evolution of Fe ₂ O ₃ and Its Size-Dependent Electrochemical Properties for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2008 , 155, A196	3.9	83
4 ⁰³	Preparation of Fe ₂ O ₃ submicro-flowers by a hydrothermal approach and their electrochemical performance in lithium-ion batteries. <i>Electrochimica Acta</i> , 2008 , 53, 4213-4218	6.7	83
4 ⁰²	Unique Structural Design and Strategies for Germanium-Based Anode Materials Toward Enhanced Lithium Storage. <i>Advanced Energy Materials</i> , 2017 , 7, 1700488	21.8	82
4 ⁰¹	Li-Rich Layered Oxides and Their Practical Challenges: Recent Progress and Perspectives. <i>Electrochemical Energy Reviews</i> , 2019 , 2, 277-311	29.3	82

400	Coal based activated carbon nanofibers prepared by electrospinning. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9338-9344	13	82
399	Phosphorus-Based Materials as the Anode for Sodium-Ion Batteries. <i>Small Methods</i> , 2017 , 1, 1700216	12.8	81
398	Carbon hollow nanobubbles on porous carbon nanofibers: An ideal host for high-performance sodium-sulfur batteries and hydrogen storage. <i>Energy Storage Materials</i> , 2018 , 14, 314-323	19.4	81
397	Silicon/Disordered Carbon Nanocomposites for Lithium-Ion Battery Anodes. <i>Journal of the Electrochemical Society</i> , 2005 , 152, A2211	3.9	81
396	Surface engineering of commercial Ni foams for stable Li metal anodes. <i>Energy Storage Materials</i> , 2019 , 23, 547-555	19.4	79
395	MoO ₂ /Mo ₂ C/C spheres as anode materials for lithium ion batteries. <i>Carbon</i> , 2016 , 96, 1200-1207	10.4	79
394	Toward Understanding the Lithium Transport Mechanism in Garnet-type Solid Electrolytes: Li ⁺ Ion Exchanges and Their Mobility at Octahedral/Tetrahedral Sites. <i>Chemistry of Materials</i> , 2015 , 27, 6650-6659	9.6	78
393	Free-standing sulfur-polypyrrole cathode in conjunction with polypyrrole-coated separator for flexible Li-S batteries. <i>Energy Storage Materials</i> , 2018 , 13, 312-322	19.4	78
392	NiCo ₂ O ₄ /C Nanocomposite as a Highly Reversible Anode Material for Lithium-Ion Batteries. <i>Electrochemical and Solid-State Letters</i> , 2008 , 11, A64		78
391	Structural Engineering of Hierarchical Micro-nanostructured Ge Framework by Controlling the Nucleation for Ultralong-Life Li Storage. <i>Advanced Energy Materials</i> , 2019 , 9, 1900081	21.8	77
390	Graphene/205H ₂ O xerogel composite cathodes for lithium ion batteries. <i>RSC Advances</i> , 2011 , 1, 690	3.7	77
389	Fe ₂ O ₃ as an anode material with capacity rise and high rate capability for lithium-ion batteries. <i>Materials Research Bulletin</i> , 2011 , 46, 858-864	5.1	77
388	SnO ₂ nanocrystals on self-organized TiO ₂ nanotube array as three-dimensional electrode for lithium ion microbatteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5689		77
387	SnO ₂ /NiO nanocomposite as a high capacity anode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9707		77
386	Multiwalled carbon nanotube-supported Pt/Sn and Pt/Sn/PMo ₁₂ electrocatalysts for methanol electro-oxidation. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 2426-2434	6.7	77
385	A Combined Hydrogen Storage System of Mg(BH ₄) ₂ ·iNH ₂ with Favorable Dehydrogenation. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 4733-4737	3.8	76
384	Effects of CNTs on the hydrogen storage properties of MgH ₂ and MgH ₂ -BCC composite. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 7821-7826	6.7	76
383	A Long Cycle-Life High-Voltage Spinel Lithium-Ion Battery Electrode Achieved by Site-Selective Doping. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10594-10602	16.4	75

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