CITATION REPORT List of articles citing

Template-Directed Materials for Rechargeable Lithium-Ion Batteries

DOI: 10.1021/cm702091q Chemistry of Materials, 2008, 20, 667-681.

Source: https://exaly.com/paper-pdf/43880798/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
483	ChemInform Abstract: Template-Directed Materials for Rechargeable Lithium-Ion Batteries. 2008 , 39, no		2
482	Carbon Coated Fe3O4 Nanospindles as a Superior Anode Material for Lithium-Ion Batteries. 2008 , 18, 3941-3946		1119
481	Synthesis of Fe(2)O(3)/TiO(2) nanorod-nanotube arrays by filling TiO(2) nanotubes with Fe. <i>Nanotechnology</i> , 2008 , 19, 315601	3.4	81
480	Up-scalable synthesis, structure and charge storage properties of porous microspheres of LiFePO4@C nanocomposites. 2009 , 19, 9121		84
479	Characterization of Snto Nanowires Grown into Alumina Template. 2009, 12, K17		11
478	LiFePO4 Nanoparticles Embedded in a Nanoporous Carbon Matrix: Superior Cathode Material for Electrochemical Energy-Storage Devices. 2009 , 21, 2710-2714		597
477	Elongated Titanate Nanostructures and Their Applications. 2009 , 2009, 977-997		189
476	Li-storage and cycling properties of spinel, CdFe2O4, as an anode for lithium ion batteries. 2009 , 32, 295-304		23
475	Hydrothermal synthesis of orthorhombic LiMnO2 nano-particles and LiMnO2 nanorods and comparison of their electrochemical performances. <i>Nano Research</i> , 2009 , 2, 923-930	10	55
474	Hierarchical porous carbon derived from rice straw for lithium ion batteries with high-rate performance. 2009 , 11, 130-133		192
473	Fabrication of porous carbon/Si composite nanofibers as high-capacity battery electrodes. 2009 , 11, 11	46-114	9123
472	Fabrication of a grapheneduprous oxide composite. 2009 , 182, 2486-2490		191
471	Electrospun carbon nanofibers containing silicon particles as an energy-storage medium. 2009 , 47, 321	9-3226	177
470	Nanocomposites Derived from Phenol-Functionalized Si Nanoparticles for High Performance Lithium Ion Battery Anodes. <i>Chemistry of Materials</i> , 2009 , 21, 6-8	9.6	52
469	Facile Template-Free Synthesis and Characterization of Elliptic Fe2O3 Superstructures. 2009 , 113, 809	2-8096	48
468	Porous carbon nanofibers loaded with manganese oxide particles: Formation mechanism and electrochemical performance as energy-storage materials. 2009 , 19, 5593		105
467	One-dimensional SnO(2) nanostructures: facile morphology tuning and lithium storage properties. <i>Nanotechnology</i> , 2009 , 20, 345704	3.4	35

(2010-2009)

466	Electrospun polyacrylonitrile fibers with dispersed Si nanoparticles and their electrochemical behaviors after carbonization. 2009 , 19, 4992	95
465	Fabrication of porous carbon nanofibers and their application as anode materials for rechargeable lithium-ion batteries. <i>Nanotechnology</i> , 2009 , 20, 155705	192
464	Nano-propping effect of residual silicas on reversible lithium storage over highly ordered mesoporous SnO2 materials. 2009 , 19, 6727	41
463	Coaxial MnO2/carbon nanotube array electrodes for high-performance lithium batteries. 2009 , 9, 1002-6	869
462	Porous Carbon Nanofibers Derived from Conducting Polymer: Synthesis and Application in Lithium-Ion Batteries with High-Rate Capability. 2009 , 113, 13438-13442	125
461	Cobalt Oxide Nanomaterials by Vapor-Phase Synthesis for Fast and Reversible Lithium Storage. 2010 , 114, 10054-10060	54
460	Template-directed porous electrodes in electroanalysis. 2010 , 396, 261-72	97
459	Fabrication and lithium storage performance of three-dimensional porous NiO as anode for lithium-ion battery. <i>Journal of Power Sources</i> , 2010 , 195, 7432-7437	145
458	Electrochemical performances of inorganic membrane coated electrodes for li-ion batteries. 2010 , 14, 769-773	14
457	Hydrothermal synthesis of nanostructured MnO2 under magnetic field for rechargeable lithium batteries. 2010 , 14, 1743-1747	7
456	Synthesis and characterization of different nanostructures of cobalt phosphate. 2010 , 45, 1080-1084	16
455	Nanostructured carbon and carbon nanocomposites for electrochemical energy storage applications. 2010 , 3, 136-68	563
454	A Single-Source Co/Li/O Organometallic Precursor for Nanocrystalline LiCoO2	8
453	Topotactic Conversion Route to Mesoporous Quasi-Single-Crystalline Co3O4 Nanobelts with Optimizable Electrochemical Performance. 2010 , 20, 617-623	191
452	Assembly of carbon-SnO2 core-sheath composite nanofibers for superior lithium storage. 2010 , 16, 11543-8	73
45 ¹	Controlled growth and modification of vertically-aligned carbon nanotubes for multifunctional applications. 2010 , 70, 63-91	104
450	Recent developments in cathode materials for lithium ion batteries. <i>Journal of Power Sources</i> , 2010 , 195, 939-954	1185
449	Fabrication of carbon nanofiber-driven electrodes from electrospun polyacrylonitrile/polypyrrole bicomponents for high-performance rechargeable lithium-ion batteries. <i>Journal of Power Sources</i> , 8.9	140

448	Hierarchically ordered porous nickel oxide array film with enhanced electrochemical properties for lithium ion batteries. 2010 , 12, 890-893		91
447	Graphene supported SnBb@carbon core-shell particles as a superior anode for lithium ion batteries. 2010 , 12, 1302-1306		122
446	Improved capacitive behavior of electrochemically synthesized Mn oxide/PEDOT electrodes utilized as electrochemical capacitors. <i>Electrochimica Acta</i> , 2010 , 55, 4014-4024	7	91
445	Electrochemical synthesis and applications of oriented and hierarchically quasi-1D semiconducting nanostructures. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 1135-1150	.2	57
444	On-chip electrochemistry: A nanofabricated platform for single nanowire battery electrochemistry. 2010 ,		
443	Oriented single-crystalline TiO2 nanowires on titanium foil for lithium ion batteries. 2010 , 25, 1588-1594		30
442	Synthesis of Mesoporous ⊞e2O3 Nanostructures for Highly Sensitive Gas Sensors and High Capacity Anode Materials in Lithium Ion Batteries. 2010 , 114, 18753-18761		287
441	Synthesis of mesoporous titanium dioxide by soft template based approach: characterization and application in dye-sensitized solar cells. 2010 , 3, 838		91
440	Nanoflaky MnO2/carbon nanotube nanocomposites as anode materials for lithium-ion batteries. 2010 , 20, 6896		386
439	Engineering nanostructured electrodes and fabrication of film electrodes for efficient lithium ion intercalation. 2010 , 3, 1218		220
438	Evaluation of Si/carbon composite nanofiber-based insertion anodes for new-generation rechargeable lithium-ion batteries. 2010 , 3, 124-129		120
437	High Rate Capability of Porous LiNi[sub 1/3]Co[sub 1/3]Mn[sub 1/3]O[sub 2] Synthesized by Polymer Template Route. 2010 , 157, A647		44
436	High Rate Capability of a Dual-Porosity LiFePO4/C Composite. 2010 , 2, 2031-2038		54
435	Microwave-assisted synthesis of a Co3O4graphene sheet-on-sheet nanocomposite as a superior anode material for Li-ion batteries. 2010 , 20, 9735		249
434	Nanostructured Electrode Materials for Lithium-Ion Batteries. 2010 , 211-243		
433	Influence of size on the rate of mesoporous electrodes for lithium batteries. 2010 , 132, 996-1004		255
432	Synthesis, Characterization, and Lithium Storage Capability of AMoO4 (A = Ni, Co) Nanorods Chemistry of Materials, 2010 , 22, 746-754	5	199
431	Mesoporous magnesium manganese silicate as cathode materials for rechargeable magnesium batteries. 2010 , 46, 3794-6		111

430	Periodic mesoporous Li(x)(Mn(1/3)Ni(1/3)Co(1/3))O2 spinel. 2010 , 39, 5306-9	6
429	Synthesis and characterization of RuO(2)/poly(3,4-ethylenedioxythiophene) composite nanotubes for supercapacitors. 2010 , 12, 4309-16	112
428	Synthesis and electrochemical properties of LiFePO4/C composite cathode material prepared by a new route using supercritical carbon dioxide as a solvent. 2011 , 21, 6975	30
427	Hierarchical Cu4V2.15O9.38 micro-/nanostructures: a lithium intercalating electrode material. 2011 , 3, 999-1003	24
426	Core/shell and multi-scale structures enhance the anode performance of a SnIIN composite thin film in a lithium ion battery. 2011 , 21, 4629	33
425	SnSe2 nanoplate-graphene composites as anode materials for lithium ion batteries. 2011 , 47, 5241-3	179
424	Mesoporous Co3O4 monolayer hollow-sphere array as electrochemical pseudocapacitor material. 2011 , 47, 5786-8	288
423	Morphology-conserved transformation: synthesis of hierarchical mesoporous nanostructures of Mn2O3 and the nanostructural effects on Li-ion insertion/deinsertion properties. 2011 , 21, 6346	152
422	Synthesis of manganese oxide nanostructures using bacterial soft templates. 2011 , 13, 6747	23
421	Synthesis of mixed-conducting carbon coated porous Fe2O3 microparticles and their properties for reversible lithium ion storage. 2011 , 21, 13009	64
420	Self-assembled echinus-like nanostructures of mesoporous CoO nanorod@CNT for lithium-ion batteries. 2011 , 21, 6636	130
419	Controlling the lithiation-induced strain and charging rate in nanowire electrodes by coating. 2011 , 5, 4800-9	125
418	Simulating Electric Double Layer Capacitance of Mesoporous Electrodes with Cylindrical Pores. 2011 , 158, A1106	41
417	Self-assembled TiOlwith increased photoelectron production, and improved conduction and transfer: enhancing photovoltaic performance of dye-sensitized solar cells. 2011 , 3, 3002-10	25
416	Solid-solid conversion of ordered crystalline mesoporous metal oxides under reducing atmosphere. 2011 , 21, 9312	41
415	Highly reversible lithium storage in Bacillus subtilis -directed porous CoDIhanostructures. 2011 , 5, 443-9	174
414	Electrochemical formation mechanism for the controlled synthesis of heterogeneous MnO2/Poly(3,4-ethylenedioxythiophene) nanowires. 2011 , 5, 5608-19	79
413	Hierarchical protonated titanate nanostructures for lithium-ion batteries. 2011 , 3, 4074-7	32

412	Self-supported hydrothermal synthesized hollow Co3O4 nanowire arrays with high supercapacitor capacitance. 2011 , 21, 9319	614
411	Facile solvothermal synthesis of mesoporous CuBnSIspheres and their application in lithium-ion batteries. 2011 , 3, 3646-51	119
410	Facile synthesis of zero-, one-, and two-dimensional vanadyl pyrophosphates. 2011 , 50, 9980-4	9
409	Heterogeneous nanostructured electrode materials for electrochemical energy storage. 2011 , 47, 1384-404	419
408	Broadband terahertz characterization of the refractive index and absorption of some important polymeric and organic electro-optic materials. 2011 , 109, 043505-043505-5	269
407	Synthesis of Ultrathin Ordered Porous Carbon through Bergman Cyclization of Enediyne Self-Assembled Monolayers on Silica Nanoparticles. 2011 , 115, 15829-15833	13
406	NANOSTRUCTURED ELECTRODE MATERIALS FOR LITHIUM BATTERIES. 2011 , 85-126	
405	CHEMISTRY OF VERTICALLY-ALIGNED CARBON NANOTUBES. 2011 , 219-243	
404	Fe3O4 nanoparticle-integrated graphene sheets for high-performance half and full lithium ion cells. 2011 , 13, 7170-7	229
403	Three-dimensional electrodes and battery architectures. 2011 , 36, 523-531	242
402	Conformal coating of thin polymer electrolyte layer on nanostructured electrode materials for three-dimensional battery applications. 2011 , 11, 101-6	88
401	Facile Synthesis for LiFePO4 Nanospheres in Tridimensional Porous Carbon Framework for Lithium Ion Batteries. 2011 , 115, 2888-2894	94
400	Highly ordered transition metal ferrite nanotube arrays synthesized by template-assisted liquid phase deposition. 2011 , 21, 7145	21
399	The role of nanomaterials in redox-based supercapacitors for next generation energy storage devices. 2011 , 3, 839-55	681
398	NbVO5 Mesoporous Thin Films by Evaporation Induced Micelles Packing: Pore Size Dependence of the Mechanical Stability upon Thermal Treatment and Li Insertion/Extraction. <i>Chemistry of 9.6 Materials</i> , 2011 , 23, 4124-4131	16
397	Synthesis and electrochemical properties of porous LiV3O8 as cathode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 6030-6035	22
396	Synthesis of MnO/C composites through a solid state reaction and their transformation into MnO2 nanorods. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 6217-6221	25
395	Building one-dimensional oxide nanostructure arrays on conductive metal substrates for lithium-ion battery anodes. 2011 , 3, 45-58	306

(2011-2011)

394	Template synthesis of MnO2/CNT nanocomposite and its application in rechargeable lithium batteries. 2011 , 21, 2010-2014		17
393	Synthetic Chemistry of Nanomaterials. 2011 , 479-506		4
392	Bio-Inspired Synthesis of Electrode Materials for Lithium Rechargeable Batteries. 2011,		О
391	Superior electrode performance of mesoporous hollow TiO2 microspheres through efficient hierarchical nanostructures. <i>Journal of Power Sources</i> , 2011 , 196, 8618-8624	8.9	50
390	Topotactic synthesis of Co3O4 nanoboxes from Co(OH)2 nanoflakes. 2011 , 184, 2961-2965		16
389	Nanotemplated platinum fuel cell catalysts and copper t in lithium battery anode materials for microenergy devices. <i>Electrochimica Acta</i> , 2011 , 56, 9537-9541	6.7	7
388	Recent developments in nanostructured anode materials for rechargeable lithium-ion batteries. 2011 , 4, 2682		1848
387	Solgel derived organicIhorganic hybrid materials: synthesis, characterizations and applications. 2011 , 59, 73-94		180
386	Template-assisted synthesis of high packing density SrLi2Ti6O14 for use as anode in 2.7-V lithium-ion battery. <i>Journal of Power Sources</i> , 2011 , 196, 2871-2874	8.9	59
385	Structural evolution of SnO2 nanostructure from coreBhell faceted pyramids to nanorods and its gas-sensing properties. 2011 , 314, 171-179		19
384	High-Performance, Layered, 3D-LiCoO2 Cathodes with a Nanoscale Co3O4 Coating via Chemical Etching. <i>Advanced Energy Materials</i> , 2011 , 1, 368-372	21.8	39
383	Reactive and Organosoluble SnO2 Nanoparticles by a Surfactant-Free Non-Hydrolytic Sol G el Route. 2011 , 2011, 3644-3649		19
382	Biotemplated materials for sustainable energy and environment: current status and challenges. 2011 , 4, 1344-87		127
381	Graphene-encapsulated Fe3O4 nanoparticles with 3D laminated structure as superior anode in lithium ion batteries. 2011 , 17, 661-7		374
380	Topochemical synthesis of cobalt oxide-based porous nanostructures for high-performance lithium-ion batteries. 2011 , 17, 1596-604		47
379	Nitrogen-doped carbon nanotubes coated by atomic layer deposited SnO2 with controlled morphology and phase. 2011 , 49, 1133-1144		74
378	Pseudocapacitive properties of electrodeposited porous nanowall Co3O4 film. <i>Electrochimica Acta</i> , 2011 , 56, 7163-7170	6.7	114
377	Electrochemical reaction of lithium with CoCl2 in nonaqueous electrolyte. 2011 , 13, 269-271		33

376	Antimony-doped tin oxide nanotubes for high capacity lithium storage. 2011 , 13, 433-436		34
375	SnO2 nanoparticles@polypyrrole nanowires composite as anode materials for rechargeable lithium-ion batteries. <i>Journal of Power Sources</i> , 2011 , 196, 2195-2201	5.9	167
374	Influence of counter-ions on the self-assembly of ZrO2 nanodisks. 2011 , 353, 356-62		10
373	Template-Free Synthesis of Ellipsoidal Silica Nanoparticles. 2012 , 1386, 1		
372	3D Self-Supported Nanoarchitectured Arrays Electrodes for Lithium-Ion Batteries. 2012 , 2012, 1-19		34
371	EMnO2 nanotubes: high surface area and enhanced lithium battery properties. 2012 , 48, 6945-7		152
370	Design of Nanostructured Hybrid Materials Based on Carbon and Metal Oxides for Li Ion Batteries. 2012 , 116, 26685-26693		73
369	Nanostructured metal oxide-based materials as advanced anodes for lithium-ion batteries. 2012 , 4, 2526-	42	915
368	Mesoporous Co3O4 and CoO@C Topotactically Transformed from Chrysanthemum-like Co(CO3)0.5(OH)D.11H2O and Their Lithium-Storage Properties. 2012 , 22, 861-871		506
367	Plum-like and octahedral Co3O4 single crystals on and around carbon nanotubes: large scale synthesis and formation mechanism. 2012 , 2, 3496		22
366	Large-scale synthesis of Li1.15V3O8 nanobelts and their lithium storage behavior studied by in situ X-ray diffraction. 2012 , 22, 3035		50
365	Hierarchical porous carbon nanosheets and their favorable high-rate performance in lithium ion batteries. 2012 , 22, 12369		145
364	Controlled fabrication of flowerlike ZnOHe2O3 nanostructured films with excellent lithium storage properties through a partly sacrificed template method. 2012 , 22, 7544		39
363	Fe2O3 nanowall arrays: hydrothermal preparation, growth mechanism and excellent rate performances for lithium ion batteries. 2012 , 4, 3422-6		82
362	An organometallic approach for microporous organic network (MON)-Co3O4 composites: enhanced stability as anode materials for lithium ion batteries. 2012 , 48, 94-6		36
361	Columnar assembly and successive heating of colloidal 2D nanomaterials on graphene as an efficient strategy for new anode materials in lithium ion batteries: the case of In2S3 nanoplates. 2012 , 22, 11107		29
360	Fabrication of Mesoporous Co3O4 from LP-FDU-12 via Nanocasting Route and Effect of Wall/Pore Size on Their Magnetic Properties. 2012 , 116, 13374-13381		22
359	Interconnected corelinell MoO2 microcapsules with nanorod-assembled shells as high-performance lithium-ion battery anodes. 2012 , 22, 13334		103

(2012-2012)

358	Fe2O3 hierarchically nanostructured mesoporous microspheres: Surfactant-free solvothermal combined with heat treatment synthesis, photocatalytic activity and magnetic property. 2012 , 14, 2702	41
357	ZnV2O4IIMK nanocomposite as an anode material for rechargeable lithium-ion batteries. 2012 , 22, 14284	62
356	Standing pillar arrays of C-coated hollow SnO2 mesoscale tubules for a highly stable lithium ion storage electrode. 2012 , 2, 7829	34
355	Carbon nanohorns as a high-performance carrier for MnO2 anode in lithium-ion batteries. 2012 , 4, 2325-8	124
354	Rutile-TiO2 nanocoating for a high-rate Li4Ti5O12 anode of a lithium-ion battery. 2012 , 134, 7874-9	551
353	New Insights into the Relationship between Micropore Properties, Ionic Sizes, and Electric Double-Layer Capacitance in Monolithic Carbon Electrodes. 2012 , 116, 26197-26203	35
352	From Paper to Paper-like Hierarchical Anatase TiO2 Film Electrode for High-Performance Lithium-Ion Batteries. 2012 , 116, 17440-17447	67
351	Porous Hydroxide Nanosheets on Preformed Nanowires by Electrodeposition: Branched Nanoarrays for Electrochemical Energy Storage. <i>Chemistry of Materials</i> , 2012 , 24, 3793-3799	192
350	A magnetite nanocrystal/graphene composite as high performance anode for lithium-ion batteries. Journal of Alloys and Compounds, 2012, 514, 76-80	55
349	Influence of Mn content on the morphology and improved electrochemical properties of Mn3O4 MnO@carbon nanofiber as anode material for lithium batteries. <i>Journal of Power Sources</i> , 8.9 2012 , 216, 353-362	48
348	New easy way preparation of core/shell structured SnO2@carbon spheres and application for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012 , 216, 475-481	35
347	Nanoarchitectured Fe3O4 array electrode and its excellent lithium storage performance. Electrochimica Acta, 2012 , 78, 585-591	28
346	Porous Electrode Materials for Lithium-Ion Batteries [How to Prepare Them and What Makes Them Special. <i>Advanced Energy Materials</i> , 2012 , 2, 1056-1085	523
345	Nanoporous Carbon as Anode Material of High Rate Capability for Lithium Ion Batteries. 2012 , 59, 1216-1219	5
344	Microstructural design considerations for Li-ion battery systems. 2012 , 16, 153-162	55
343	Oxide Nanostructures for Energy Storage. 2012 , 269-302	4
342	Three-dimensional nanohybrids of Mn3O4/ordered mesoporous carbons for high performance anode materials for lithium-ion batteries. 2012 , 22, 16640	89
341	Nb2O5 hollow nanospheres as anode material for enhanced performance in lithium ion batteries. 2012 , 47, 2161-2164	68

340	Synthesis, characterization and electrochemical properties of three-dimensionally ordered macroporous Fe2O3. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012 , 177, 1612-1617	3.1	7
339	Cobalt(II,III) oxide hollow structures: fabrication, properties and applications. 2012 , 22, 23310		142
338	Supported lipid bilayers as templates to design manganese oxide nanoparticles. 2012 , 124, 979-984		2
337	A robust composite of SnO2 hollow nanospheres enwrapped by graphene as a high-capacity anode material for lithium-ion batteries. 2012 , 22, 17456		123
336	Improving the electrode performance of Ge through Ge@C core-shell nanoparticles and graphene networks. 2012 , 134, 2512-5		411
335	Monolithic Carbons with Tailored Crystallinity and Porous Structure as Lithium-Ion Anodes for Fundamental Understanding Their Rate Performance and Cycle Stability. 2012 , 116, 10303-10311		38
334	Ultrasonic spray deposition of high performance WO3 films using template-assisted sol g el chemistry. 2012 , 25, 62-65		17
333	Functional Metal Oxide Nanostructures. 2012 ,		20
332	Influence of mesoporosity on lithium-ion storage capacity and rate performance of nanostructured TiO2(B). 2012 , 28, 2897-903		69
331	Hybrid nanostructures for energy storage applications. 2012 , 24, 5045-64		408
33 ¹	Hybrid nanostructures for energy storage applications. 2012 , 24, 5045-64 Emerging applications of atomic layer deposition for lithium-ion battery studies. 2012 , 24, 3589-615		408
330	Emerging applications of atomic layer deposition for lithium-ion battery studies. 2012 , 24, 3589-615		436
330	Emerging applications of atomic layer deposition for lithium-ion battery studies. 2012 , 24, 3589-615 Templated nanocarbons for energy storage. 2012 , 24, 4473-98		436 588
330 329 328	Emerging applications of atomic layer deposition for lithium-ion battery studies. 2012 , 24, 3589-615 Templated nanocarbons for energy storage. 2012 , 24, 4473-98 Nanoparticulate TiO2(B): An Anode for Lithium-Ion Batteries. 2012 , 124, 2206-2209		436 588 86
330 329 328 327	Emerging applications of atomic layer deposition for lithium-ion battery studies. 2012, 24, 3589-615 Templated nanocarbons for energy storage. 2012, 24, 4473-98 Nanoparticulate TiO2(B): An Anode for Lithium-Ion Batteries. 2012, 124, 2206-2209 How Many Lithium Ions Can Be Inserted onto Fused C6 Aromatic Ring Systems?. 2012, 124, 5237-5241		436 588 86 48
330 329 328 327 326	Emerging applications of atomic layer deposition for lithium-ion battery studies. 2012 , 24, 3589-615 Templated nanocarbons for energy storage. 2012 , 24, 4473-98 Nanoparticulate TiO2(B): An Anode for Lithium-Ion Batteries. 2012 , 124, 2206-2209 How Many Lithium Ions Can Be Inserted onto Fused C6 Aromatic Ring Systems?. 2012 , 124, 5237-5241 How many lithium ions can be inserted onto fused C6 aromatic ring systems?. 2012 , 51, 5147-51		436 588 86 48 214

322	Assembly of one dimensional inorganic nanostructures into functional 2D and 3D architectures. Synthesis, arrangement and functionality. 2012 , 41, 5285-312		218
321	Nanocomposite materials based on chitosan and molybdenum disulfide. 2012 , 47, 5861-5866		16
320	Ordered mesoporous carbonIIiO2 materials for improved electrochemical performance of lithium ion battery. 2012 , 50, 4259-4268		80
319	Reduced graphene oxide and nanosheet-based nickel oxide microsphere composite as an anode material for lithium ion battery. <i>Electrochimica Acta</i> , 2012 , 64, 23-28	6.7	72
318	Template-directed preparation of two-layer porous NiO film via hydrothermal synthesis for lithium ion batteries. 2012 , 47, 1987-1990		24
317	Low-temperature route to dispersed manganese dioxide nanorods. <i>Materials Letters</i> , 2012 , 78, 202-204	1 3.3	2
316	NH4V3O8 nanorod as a high performance cathode material for rechargeable Li-ion batteries. <i>Journal of Power Sources</i> , 2012 , 199, 315-321	8.9	41
315	Carbon nanocolumn arrays prepared by pulsed laser deposition for lithium ion batteries. <i>Journal of Power Sources</i> , 2012 , 203, 140-144	8.9	8
314	Stable high areal capacity lithium-ion battery anodes based on three-dimensional NiBn nanowire networks. <i>Journal of Power Sources</i> , 2012 , 211, 46-51	8.9	70
313	Preparation of porous structure LiFePO4/C composite by template method for lithium-ion batteries. 2012 , 214, 31-36		14
312	Interdispersed Amorphous MnOxtarbon Nanocomposites with Superior Electrochemical Performance as Lithium-Storage Material. 2012 , 22, 803-811		338
311	Metal oxide hollow nanostructures for lithium-ion batteries. 2012 , 24, 1903-11		1327
310	Nanoparticulate TiO2(B): an anode for lithium-ion batteries. 2012, 51, 2164-7		274
309	Facile assembly of a 3D rGO/MWCNTs/Fe2O3 ternary composite as the anode material for high-performance lithium ion batteries. 2013 , 3, 15457		26
308	Optimizing reaction condition for synthesizing spinnable carbon nanotube arrays by chemical vapor deposition. 2013 , 48, 7749-7756		15
307	Reactive-template fabrication of porous SnO2 nanotubes and their remarkable gas-sensing performance. 2013 , 5, 7893-8		140
306	A High-Capacity Anode for Lithium Batteries Consisting of Mesoporous NiO Nanoplatelets. 2013 , 27, 5545-5551		40
305	Facile synthesis of porous Mn2O3 hierarchical microspheres for lithium battery anode with improved lithium storage properties. <i>Journal of Alloys and Compounds</i> , 2013 , 576, 86-92	5.7	56

304	Core-shell tin oxide, indium oxide, and indium tin oxide nanoparticles on silicon with tunable dispersion: electrochemical and structural characteristics as a hybrid Li-ion battery anode. 2013 , 5, 8195-202	26
303	Enabling New Classes of Templated Materials through Mesoporous Carbon Colloidal Crystals. 2013 , 1, 300-304	14
302	A facile synthesis of Fe3O4/C composite with high cycle stability as anode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2013 , 239, 466-474	127
301	Nanoporous selenium as a cathode material for rechargeable lithium-selenium batteries. 2013 , 49, 11515-7	115
300	Rambutan-like FeCO3 hollow microspheres: facile preparation and superior lithium storage performances. 2013 , 5, 11212-7	102
299	Fabrication of free-standing ZnMn2O4 mesoscale tubular arrays for lithium-ion anodes with highly reversible lithium storage properties. 2013 , 5, 11321-8	139
298	H2O-EG-assisted synthesis of uniform urchinlike rutile TiO2 with superior lithium storage properties. 2013 , 5, 9998-10003	27
297	Two-Dimensional Mesoporous Carbon Nanosheets as a High-Performance Anode Material for Lithium-Ion Batteries. 2013 , 78, 797-800	28
296	Amorphous CoSnO3@C nanoboxes with superior lithium storage capability. 2013, 6, 87-91	300
295	Nb-Doped TiO2 Nanofibers for Lithium Ion Batteries. 2013 , 117, 13827-13835	113
295 294	Nb-Doped TiO2 Nanofibers for Lithium Ion Batteries. 2013, 117, 13827-13835 Fabrication of cross-linked carbon nanotube foam using polymethylmethacrylate microspheres as templates. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13984	113
	Fabrication of cross-linked carbon nanotube foam using polymethylmethacrylate microspheres as	
294	Fabrication of cross-linked carbon nanotube foam using polymethylmethacrylate microspheres as templates. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13984 Site-specific carbon deposition for hierarchically ordered core/shell-structured graphitic carbon	17
294 293	Fabrication of cross-linked carbon nanotube foam using polymethylmethacrylate microspheres as templates. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13984 Site-specific carbon deposition for hierarchically ordered core/shell-structured graphitic carbon with remarkable electrochemical performance. 2013 , 6, 1938-44	17
294 293 292	Fabrication of cross-linked carbon nanotube foam using polymethylmethacrylate microspheres as templates. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13984 Site-specific carbon deposition for hierarchically ordered core/shell-structured graphitic carbon with remarkable electrochemical performance. 2013 , 6, 1938-44 Porous Fe2O3 nanocubes derived from MOFs for highly reversible lithium storage. 2013 , 15, 9332 Synthesis and characterization of hybrid nanostructures produced in the presence of the titanium	17 12 111
294293292291	Fabrication of cross-linked carbon nanotube foam using polymethylmethacrylate microspheres as templates. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13984 Site-specific carbon deposition for hierarchically ordered core/shell-structured graphitic carbon with remarkable electrochemical performance. 2013 , 6, 1938-44 Porous Fe2O3 nanocubes derived from MOFs for highly reversible lithium storage. 2013 , 15, 9332 Synthesis and characterization of hybrid nanostructures produced in the presence of the titanium dioxide and bioactive organic substances by hydrothermal method. 2013 , 198, 131-137 Templated spinel Li4Ti5O12 Li-ion battery electrodes combining high rates with high energy	17 12 111 2
294293292291290	Fabrication of cross-linked carbon nanotube foam using polymethylmethacrylate microspheres as templates. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13984 Site-specific carbon deposition for hierarchically ordered core/shell-structured graphitic carbon with remarkable electrochemical performance. 2013 , 6, 1938-44 Porous Fe2O3 nanocubes derived from MOFs for highly reversible lithium storage. 2013 , 15, 9332 Synthesis and characterization of hybrid nanostructures produced in the presence of the titanium dioxide and bioactive organic substances by hydrothermal method. 2013 , 198, 131-137 Templated spinel Li4Ti5O12 Li-ion battery electrodes combining high rates with high energy density. 2013 , 35, 124-127 Hierarchical tin-based microspheres: Solvothermal synthesis, chemical conversion, mechanism and	17 12 111 2 23

286	Electrochemical study of NiO nanoparticles electrode for application in rechargeable lithium-ion batteries. 2013 , 39, 6611-6618	90
285	Nanoporous anodic aluminium oxide: Advances in surface engineering and emerging applications. Progress in Materials Science, 2013 , 58, 636-704 42.2	386
284	Theoretical Study of sp2-sp3 Hybridized Carbon Network for Li-ion Battery Anode. 2013 , 117, 4951-4956	13
283	Enhancing pseudocapacitive charge storage in polymer templated mesoporous materials. 2013 , 46, 1113-24	217
282	Intergrown Li2FeSiO4LiFePO4-C nanocomposites as high-capacity cathode materials for lithium-ion batteries. 2013 , 49, 3040-2	62
281	LiFePO4graphene as a superior cathode material for rechargeable lithium batteries: impact of stacked graphene and unfolded graphene. 2013 , 6, 1521	183
280	SnOEbased nanomaterials: synthesis and application in lithium-ion batteries. <i>Small</i> , 2013 , 9, 1877-93 11	651
279	Carbon-coated LiFePO4-porous carbon composites as cathode materials for lithium ion batteries. 2013 , 5, 2164-8	68
278	Functional mesoporous materials for energy applications: solar cells, fuel cells, and batteries. 2013 , 5, 4584-605	100
277	Applications of Mesoporous Molecular Sieves. 2013 , 465-511	
276	Nanocomposites from V2O5 and Lithium Ion Batteries. 2013, 153-177	
275	MoO2-ordered mesoporous carbon hybrids as anode materials with highly improved rate capability and reversible capacity for lithium-ion battery. 2013 , 15, 13601-10	42
274	Metal oxides and oxysalts as anode materials for Li ion batteries. 2013 , 113, 5364-457	2412
273	An overview functional nanomaterials for lithium rechargeable batteries, supercapacitors, hydrogen storage, and fuel cells. 2013 , 48, 4968-4973	15
272	Morphology-dependent Li storage performance of ordered mesoporous carbon as anode material. 2013 , 29, 6754-61	69
271	MnO@1-D carbon composites from the precursor C4H4MnO6 and their high-performance in lithium batteries. 2013 , 3, 10001	66
270	Functional zeolitic-imidazolate-framework-templated porous carbon materials for CO2 capture and enhanced capacitors. 2013 , 8, 1879-85	110
269	Carbon coated Fe3O4 hybrid material prepared by chemical vapor deposition for high performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2013 , 106, 235-243	46

268	Nano-WS2 embedded PES membrane with improved fouling and permselectivity. 2013, 396, 120-8		42
267	General Introduction. 2013 , 1-11		
266	Facile Micro Templating LiFePO4 Electrodes for High Performance Li-Ion Batteries. <i>Advanced Energy Materials</i> , 2013 , 3, 572-578	21.8	51
265	Controlled synthesis of double-wall a-FePO4 nanotubes and their LIB cathode properties. <i>Small</i> , 2013 , 9, 1036-41	11	19
264	Controllable preparation of Co3O4 nanosheets and their electrochemical performance for Li-ion batteries. 2013 , 3, 7850		36
263	Nanoporous carbons from hydrothermally treated biomass as anode materials for lithium ion batteries. 2013 , 174, 25-33		64
262	Hierarchical structure of Co3O4 nanoparticles on Si nanowires array films for lithium-ion battery applications. <i>Applied Surface Science</i> , 2013 , 266, 300-305	6.7	15
261	Polyaniline nanowire electrodes with high capacitance synthesized by a simple approach. 2013 , 33, 209-	-12	17
260	Cross-links in carbon nanotube assembly introduced by using polyacrylonitrile as precursor. 2013 , 5, 817	73-8	24
259	Self-assembly of hierarchical MoSx/CNT nanocomposites (2. 2013 , 3, 2169		267
259 258	Self-assembly of hierarchical MoSx/CNT nanocomposites (2. 2013 , 3, 2169 Nanostructured Materials for Energy-Related Applications. 2013 , 1013-1038		267
			267
258	Nanostructured Materials for Energy-Related Applications. 2013, 1013-1038		
258 257	Nanostructured Materials for Energy-Related Applications. 2013, 1013-1038 Phase Equilibria of the Zinc Oxide@obalt Oxide System in Air. 2013, 96, 966-971	17.9	12
258 257 256	Nanostructured Materials for Energy-Related Applications. 2013, 1013-1038 Phase Equilibria of the Zinc OxideCobalt Oxide System in Air. 2013, 96, 966-971 Binder Free SnO2-CNT Composite as Anode Material for Li-Ion Battery. 2014, 2014, 1-9	17.9	7
258 257 256 255	Nanostructured Materials for Energy-Related Applications. 2013, 1013-1038 Phase Equilibria of the Zinc Oxide@obalt Oxide System in Air. 2013, 96, 966-971 Binder Free SnO2-CNT Composite as Anode Material for Li-Ion Battery. 2014, 2014, 1-9 Three-dimensional graphene and their integrated electrodes. <i>Nano Today</i> , 2014, 9, 785-807 Graphene oxide film as a template for the creation of three-dimensional lamellar metal oxides and	17.9	7 228
258 257 256 255 254	Nanostructured Materials for Energy-Related Applications. 2013, 1013-1038 Phase Equilibria of the Zinc Oxide@obalt Oxide System in Air. 2013, 96, 966-971 Binder Free SnO2-CNT Composite as Anode Material for Li-Ion Battery. 2014, 2014, 1-9 Three-dimensional graphene and their integrated electrodes. Nano Today, 2014, 9, 785-807 Graphene oxide film as a template for the creation of three-dimensional lamellar metal oxides and reduced graphene oxide/metal oxide hybrids. 2014, 4, 171-175 Improved electrochemical property of copper nitrate hydrate by multi-wall carbon nanotube.		7 228 5

250	Three-dimensional self-supported metal oxides as cathodes for microbatteries. 2014 , 07, 1430003		25
249	A review of research on hematite as anode material for lithium-ion batteries. <i>Ionics</i> , 2014 , 20, 1651-166	32.7	35
248	Synthesis of hierarchical Co3O4@C composite and its lithium storage property as anode material for rechargeable lithium ion batteries. 2014 , 18, 528-534		7
247	On-chip lithium cells for electrical and structural characterization of single nanowire electrodes. <i>Nanotechnology</i> , 2014 , 25, 265402	3.4	17
246	Single crystalline SnO2 nanowires obtained from heat-treated SnO2 and C mixture and their electrochemical properties. 2014 , 147, 184-190		8
245	Preparation and Li+ storage properties of hierarchical hollow porous carbon spheres. 2014 , 14, 44-50		5
244	Free-standing Pt@RuO2lkH2O nanorod arrays on Si wafers as electrodes for methanol electro-oxidation. <i>Journal of Power Sources</i> , 2014 , 245, 892-897	8.9	5
243	Facial synthesis of SnO2 nanoparticle film for efficient fiber-shaped dye-sensitized solar cells. Journal of Power Sources, 2014 , 247, 249-255	8.9	36
242	Enhanced 3D hierarchical double porous Co3O4/graphene architecture for superior rechargeable lithium ion battery. 2014 , 40, 2523-2528		21
241	Recent progress in electrode materials produced by spray pyrolysis for next-generation lithium ion batteries. 2014 , 25, 18-31		60
240	Oxide nanostructures hyperbranched with thin and hollow metal shells for high-performance nanostructured battery electrodes. <i>Small</i> , 2014 , 10, 2419-28	11	35
239	Preparation of fluorine-doped, carbon-encapsulated hollow Fe3O4 spheres as an efficient anode material for Li-ion batteries. 2014 , 6, 3889-94		76
238	Iron-Oxide-Based Advanced Anode Materials for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2014 , 4, 1300958	21.8	432
237	Facile synthesis of nanocrystalline LiFePO4/graphene composite as cathode material for high power lithium ion batteries. <i>Electrochimica Acta</i> , 2014 , 130, 594-599	6.7	29
236	Three-dimensional self-supported metal oxides for advanced energy storage. 2014 , 26, 3368-97		395
235	Boron-doped TiO2 anode materials for high-rate lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2014 , 604, 226-232	5.7	66
234	Design and fabrication of new nanostructured SnO2-carbon composite microspheres for fast and stable lithium storage performance. <i>Small</i> , 2014 , 10, 3240-5	11	64
233	Facile synthesis and magnetic properties of manganese dioxide nanowires. 2014 , 9, 120-125		3

232	One-step solvothermal preparation of Fe3O4/graphene composites at elevated temperature and their application as anode materials for lithium-ion batteries. 2014 , 4, 59981-59989		35
231	Hierarchical ZnO-Ag-C composite porous microspheres with superior electrochemical properties as anode materials for lithium ion batteries. 2014 , 6, 19895-904		50
230	A facile one-step synthesis of three-dimensionally ordered macroporous N-doped TiO2 with ethanediamine as the nitrogen source. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15611-15619	13	73
229	Co-pyrolysis synthesis of Fe3BO6 nanorods as high performance anodes for lithium-ion batteries. 2014 , 4, 8245		14
228	Structural interpretation of SnO2 nanocrystals of different morphologies synthesized by microwave irradiation and hydrothermal methods. 2014 , 16, 1079-1090		42
227	Enhanced rate and cycling performance of FeCO 3 /graphene composite for high energy Li ion battery anodes. <i>Electrochimica Acta</i> , 2014 , 148, 283-290	6.7	32
226	Preparation of porous and hollow Fe3O4@C spheres as an efficient anode material for a high-performance Li-ion battery. 2014 , 4, 6430		43
225	Template-free method towards quadrate Co3O4 nanoboxes from cobalt coordination polymer nano-solids for high performance lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20597-20604	13	50
224	Self-assembly of size-tunable supramolecular nanoparticle clusters in a microfluidic channel. 2014 , 1, 595-601		6
223	Facile and economical synthesis for plum pudding haped porous LiFePO4/carbon composites for lithium ion batteries. 2014 , 4, 39400-39407		12
222	Novel nitrogen-rich porous carbon spheres as a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16617-16622	13	50
221	Cu2O-templated strategy for synthesis of definable hollow architectures. 2014 , 50, 7403-15		64
220	Mechanism studies of LiFePO4 cathode material: lithiation/delithiation process, electrochemical modification and synthetic reaction. 2014 , 4, 54576-54602		34
219	Microscopic and spectroscopic properties of hydrothermally synthesized nano-crystalline LiFePO4 cathode material. <i>Journal of Alloys and Compounds</i> , 2014 , 614, 13-19	5.7	19
218	Porous carbon particles derived from natural peanut shells as lithium ion battery anode and its electrochemical properties. 2014 , 10, 819-826		11
217	Synthesis and electrochemical properties of vanadium oxide materials and structures as Li-ion battery positive electrodes. <i>Journal of Power Sources</i> , 2014 , 267, 831-873	8.9	114
216	Mesoporous nanobelts and nano-necklaces of Co3O4 converted from €Co(OH)2 nanobelts via a thermal decomposition route for the electrocatalytic oxidation of H2O2. 2014 , 16, 9721-9726		22
215	Hierarchical MoS2 microboxes constructed by nanosheets with enhanced electrochemical properties for lithium storage and water splitting. 2014 , 7, 3302-3306		436

214	Self-assembly of nano/micro-structured Fe3O4 microspheres among 3D rGO/CNTs hierarchical networks with superior lithium storage performances. <i>Nanotechnology</i> , 2014 , 25, 225401	3.4	23
213	Electron Tomography Analysis of Reaction Path during Formation of Nanoporous NiO by Solid State Decomposition. 2014 , 14, 2453-2459		7
212	Investigation of Structural, Thermal, and Electrical Properties of Nanocomposites Based on SnO2 Nanoparticles Dispersed in Conducting Polypyrrole Matrix. 2014 , 44, 819-824		5
211	Selective Carbon Coating Techniques for Improving Electrochemical Properties of NiO Nanosheets. <i>Electrochimica Acta</i> , 2014 , 133, 93-99	6.7	34
210	Fabrication of highly ordered porous nickel oxide anode materials and their electrochemical characteristics in lithium storage. <i>Journal of Alloys and Compounds</i> , 2014 , 594, 65-69	5.7	14
209	Hierarchical Co3O4 Nanoparticles Embedded in a Carbon Matrix for Lithium-Ion Battery Anode Materials. <i>Electrochimica Acta</i> , 2014 , 133, 16-22	6.7	41
208	Rapid aqueous synthesis of ordered mesoporous carbons: Investigation of synthesis variables and application as anode materials for Li-ion batteries. 2014 , 195, 92-101		12
207	Fe2O3 multi-shelled hollow microspheres for lithium ion battery anodes with superior capacity and charge retention. 2014 , 7, 632-637		582
206	Structuring materials for lithium-ion batteries: advancements in nanomaterial structure, composition, and defined assembly on cell performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9433	13	118
205	Template-free synthesis of porousliFePO4/C nanocomposite for high power lithium-ion batteries. <i>Electrochimica Acta</i> , 2014 , 123, 1-6	6.7	18
204	A direct hybridization between isocharged nanosheets of layered metal oxide and graphene through a surface-modification assembly process. 2014 , 20, 15459-66		10
203	Effective use of flexible low-dimensional colloidal particles and colloidal crystals for the control of hierarchically porous materials. 2015 , 123, 853-861		3
202	Conjugated-Polymer/Inorganic Nanocomposites as Electrode Materials for Li-Ion Batteries. 2015 , 379-4	18	
201	Fabrication of Porous Nitrogen-Doped Carbon Materials as Anodes for High-Performance Lithium Ion Batteries. 2015 , 33, 1293-1302		19
200	Hollow Ball-in-Ball CoxFe3-xO4 Nanostructures: High-Performance Anode Materials for Lithium-Ion Battery. 2015 , 7, 11063-8		29
199	A facile synthesis of a uniform constitution of three-dimensionally ordered macroporous TiO2Barbon nanocomposites with hierarchical pores for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6862-6872	13	26
198	Pristine hollow microspheres of Mn2O3 as a potential anode for lithium-ion batteries. 2015 , 17, 5038-50)45	29
197	Research Background and Motivation. 2015 , 1-20		

196	Construction of Co/Co3O4© ternary core-branch arrays as enhanced anode materials for lithium ion batteries. <i>Journal of Power Sources</i> , 2015 , 293, 585-591	8.9	42
195	Effect of thermal treatment on the properties of electrospun LiFePO4darbon nanofiber composite cathode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2015 , 627, 91-10	Θ 0 ⁷	30
194	Carbon-supported SnO2 nanowire arrays with enhanced lithium storage properties. <i>Electrochimica Acta</i> , 2015 , 158, 321-326	6.7	28
193	Foamed mesoporous carbon/silicon composite nanofiber anode for lithium ion batteries. <i>Journal of Power Sources</i> , 2015 , 281, 285-292	8.9	70
192	Recent Development on Anodes for Na-Ion Batteries. 2015 , 55, 486-507		151
191	Large-scale fabrication of porous carbon-decorated iron oxide microcuboids from FeMOF as high-performance anode materials for lithium-ion batteries. 2015 , 5, 7356-7362		49
190	Nitrogen-rich porous carbon derived from biomass as a high performance anode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6534-6541	13	240
189	Staging and In-Plane Superstructures Formed in Layered NaMO2{M = Sc, Ti, V, Cr, Mn} during Na De-Intercalation: A Computational Study. 2015 , 162, A511-A519		11
188	Preparation of ordered and oriented mesoporous silica thin films bearing octyl or hexadecyl groups by electrochemically assisted self-assembly and evaluation of their transport properties. 2015 , 19, 2075	-2085	7
187	In3Se4 and S-doped In3Se4 nano/micro-structures as new anode materials for Li-ion batteries. Journal of Materials Chemistry A, 2015 , 3, 7560-7567	13	11
186	Shape-controlled synthesis of mesoporous iron phosphate materials with crystallized frameworks. 2015 , 51, 13806-9		18
185	Reversible Capacity Enhancement of Zinc-Manganese Mixed Oxide through Nanoscale Electrochemical Wiring with Carbon Nanotubes. 2015 , 162, A1990-A1996		3
184	Porous Co3O4/CuO composite assembled from nanosheets as high-performance anodes for lithium-ion batteries. 2015 , 8, 1435-41		43
183	Nanosheets of earth-abundant jarosite as novel anodes for high-rate and long-life lithium-ion batteries. 2015 , 7, 10518-24		14
182	Synthesis of nickel oxide nanospheres by a facile spray drying method and their application as anode materials for lithium ion batteries. 2015 , 70, 200-203		12
181	Hierarchical porous carbons fabricated from silica via flame synthesis as anode materials for high-performance lithium-ion batteries. <i>Ionics</i> , 2015 , 21, 1881-1891	2.7	12
180	High performance of Co-doped NiO nanoparticle anode material for Techargeable lithium ion batteries. <i>Journal of Power Sources</i> , 2015 , 292, 23-30	8.9	131
179	Carbon-coated Fe2O3 nanocrystals with enhanced lithium storage capability. <i>Applied Surface Science</i> , 2015 , 347, 178-185	6.7	40

(2015-2015)

178	Polymeric nanowires directly electrosynthesized on the working electrode. <i>Electrochimica Acta</i> , 2015 , 166, 163-167	6.7	16
177	Nanostructured transition metal oxides as advanced anodes for lithium-ion batteries. 2015 , 60, 823-838		160
176	Nanoporous iron oxide@carbon composites with low carbon content as high-performance anodes for lithium-ion batteries. 2015 , 5, 89092-89098		5
175	Flux growth of hexagonal cylindrical LiCoO2 crystals surrounded by Li-ion conducting preferential facets and their electrochemical properties studied by single-particle measurements. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17016-17021	13	16
174	Construction of carbon nanoflakes shell on CuO nanowires core as enhanced core/shell arrays anode of lithium ion batteries. <i>Electrochimica Acta</i> , 2015 , 178, 574-579	6.7	34
173	Facile synthesis of Mn6.87(OH)3(VO4)3.6(V2O7)0.2 microtubes and their application as an anode material for lithium-ion batteries. 2015 , 5, 91441-91447		4
172	Theoretical Pore Growth Models for Nanoporous Alumina. 2015 , 31-60		6
171	NiO-Co3O4 nanoplate composite as efficient anode in Li-ion battery. <i>Electrochimica Acta</i> , 2015 , 178, 590-596	6.7	55
170	LiBi-alloy-assisted improvement in the intrinsic cyclability of Mg2Si as an anode material for Li-ion batteries. 2015 , 98, 128-134		21
169	Porous nanostructured metal oxides synthesized through atomic layer deposition on a carbonaceous template followed by calcination. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2642-2649	13	25
168	Superior electrochemical properties of Fe 2 O 3 nanofibers with a porous core/dense shell structure formed from iron acetylacetonate-polyvinylpyrrolidone composite fibers. <i>Electrochimica Acta</i> , 2015 , 154, 211-218	6.7	12
167	One-step template-free synthesis of hollow coreEhell Fe2O3 microspheres with improved lithium storage and gas-sensing properties. 2015 , 17, 1173-1181		19
166	Construction of silver tungstate multilevel sphere clusters by controlling the energy distribution on the crystal surface. 2015 , 17, 1129-1138		32
165	Mesoporous hexagonal Co3O4 for high performance lithium ion batteries. 2014 , 4, 6519		67
164	Nanostructured anode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2454	I£3484	4 574
163	A new concept for obtaining SnO2 fiber-in-tube nanostructures with superior electrochemical properties. 2015 , 21, 371-6		55
162	Synthesis of nanosheets-assembled lithium titanate hollow microspheres and their application to lithium ion battery anodes. <i>Electrochimica Acta</i> , 2015 , 151, 502-509	6.7	23
161	Synthesis and lithium-storage properties of MnO/reduced graphene oxide composites derived from graphene oxide plus the transformation of Mn(VI) to Mn(II) by the reducing power of graphene oxide. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 297-303	13	61

160	Highly Ordered Dual Porosity Mesoporous Cobalt Oxide for Sodium-Ion Batteries. 2016 , 3, 1500464		54
159	Generic Synthesis of Carbon Nanotube Branches on Metal Oxide Arrays Exhibiting Stable High-Rate and Long-Cycle Sodium-Ion Storage. <i>Small</i> , 2016 , 12, 3048-58	11	377
158	A double-layered Ge/carbon cloth integrated anode for high performance lithium ion batteries. 2016 , 6, 63414-63417		3
157	MOF-Derived Porous NixFe3-xO4 Nanotubes with Excellent Performance in Lithium-Ion Batteries. 2016 , 3, 299-308		29
156	Vacuum template synthesis of multifunctional nanotubes with tailored nanostructured walls. 2016 , 6, 20637		13
155	Ultrafine Fe3O4 Quantum Dots on Hybrid Carbon Nanosheets for Long-Life, High-Rate Alkali-Metal Storage. 2016 , 3, 38-44		29
154	Li4Ti5O12/Ketjen Black with open conductive frameworks for high-performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2016 , 201, 179-186	6.7	16
153	Synthesis of high rate performance LiFe1⊠MnxPO4/C composites for lithium-ion batteries. 2016 , 42, 12435-12440		20
152	Realization of high performance flexible wire supercapacitors based on 3-dimensional NiCo2O4/Ni fibers. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 4718-4727	13	79
151	Homonuclear Mixed-Valent Cobalt Imidazolate Framework for Oxygen-Evolution Electrocatalysis. 2016 , 22, 3676-80		33
150	Three-Dimensional Network of N-Doped Carbon Ultrathin Nanosheets with Closely Packed Mesopores: Controllable Synthesis and Application in Electrochemical Energy Storage. 2016 , 8, 11720-8	}	79
149	Optimizing the structure and yield of vanadium oxide nanotubes by periodic 2D layer scrolling. 2016 , 6, 40932-40944		16
148	Fabrication of three-dimensional porous cobalt network-supported cobalt oxides nanoflake arrays for electrochemical energy storage. <i>Materials Technology</i> , 2016 , 31, 532-536	2.1	6
147	Microwave assisted fast formation of Sn(MoO4)2 nano-assemblies on DNA scaffold for application in lithium-ion batteries. 2016 , 40, 6185-6199		10
146	Synthesis of metal shell on metal oxides nanowires forming composite core/branch arrays with enhanced electrochemical properties. <i>Journal of Alloys and Compounds</i> , 2016 , 688, 475-480	5.7	2
145	Electrochemical Properties of APCVD Fe2O3 Nanoparticles at 300 oC. <i>ChemistrySelect</i> , 2016 , 1, 2228-2	23.8	1
144	Electrodeposited thin cobalt branch on cobalt oxides core exhibiting enhanced electrochemical properties. 2016 , 84, 139-144		5
143	Hierarchical porous SnO 2 /reduced graphene oxide composites for high-performance lithium-ion battery anodes. <i>Electrochimica Acta</i> , 2016 , 215, 42-49	6.7	19

142	A review on non-electro nanofibre spinning techniques. 2016 , 6, 83783-83801		79
141	Tin-based nanomaterials for electrochemical energy storage. 2016 , 6, 95449-95468		44
140	3D Networks of Carbon-Coated Magnesium-Doped Olivine Nanofiber as Binder-Free Cathodes for High-Performance Li-Ion Battery. 2016 , 3, 1600241		12
139	Vertically oriented MoS nanoflakes coated on 3D carbon nanotubes for next generation Li-ion batteries. <i>Nanotechnology</i> , 2016 , 27, 495401	3.4	22
138	Effect of Na2SO4 Coating layer on Nickel-Rich Li(NixCoyMnz)O2 Cathode Materials for Lithium-Ion Batteries. 2016 , 3, 1600784		16
137	Standout electrochemical performance of SnO2 and Sn/SnO2 nanoparticles embedded in a KOH-activated carbonized porous aromatic framework (PAF-1) matrix as the anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18822-18831	13	21
136	One-Dimensional Peptide Nanostructure Templated Growth of Iron Phosphate Nanostructures for Lithium-Ion Battery Cathodes. 2016 , 8, 17421-7		12
135	The preparation, characterization, and influence of multiple electroless nickel-phosphorus (Ni-P) hollow composite coatings on micro-nano cellulose fibers. 2016 , 298, 33-38		9
134	Two-step synthesis of nanocomposite LiFePO4/C cathode materials for lithium ion batteries. 2016 , 40, 1742-1746		8
133	An overview of AB2O4- and A2BO4-structured negative electrodes for advanced Li-ion batteries. 2016 , 6, 21448-21474		57
133		6.7	57 9
	2016, 6, 21448-21474 Construction of cobalt sulfide/nickel core-branch arrays and their application as advanced	6.7	
132	2016, 6, 21448-21474 Construction of cobalt sulfide/nickel core-branch arrays and their application as advanced electrodes for electrochemical energy storage. <i>Electrochimica Acta</i> , 2016, 195, 184-191 Controlled synthesis of hollow SiNiBn nanoarchitectured electrode for advanced lithium-ion	6.7	
132	2016, 6, 21448-21474 Construction of cobalt sulfide/nickel core-branch arrays and their application as advanced electrodes for electrochemical energy storage. <i>Electrochimica Acta</i> , 2016, 195, 184-191 Controlled synthesis of hollow SiNiBn nanoarchitectured electrode for advanced lithium-ion batteries. 2016, 6, 23260-23264 3D hierarchical porous NiO nanoflowers as an advanced anode material with remarkable lithium	6.7	9
132 131 130	Construction of cobalt sulfide/nickel core-branch arrays and their application as advanced electrodes for electrochemical energy storage. <i>Electrochimica Acta</i> , 2016 , 195, 184-191 Controlled synthesis of hollow SiNiBn nanoarchitectured electrode for advanced lithium-ion batteries. 2016 , 6, 23260-23264 3D hierarchical porous NiO nanoflowers as an advanced anode material with remarkable lithium storage performance. 2016 , 6, 30395-30400 Glucose-Assisted Synthesis of Highly Dispersed LiMnPO 4 Nanoparticles at a Low Temperature for		959
132 131 130	Construction of cobalt sulfide/nickel core-branch arrays and their application as advanced electrodes for electrochemical energy storage. <i>Electrochimica Acta</i> , 2016 , 195, 184-191 Controlled synthesis of hollow SiNiBn nanoarchitectured electrode for advanced lithium-ion batteries. 2016 , 6, 23260-23264 3D hierarchical porous NiO nanoflowers as an advanced anode material with remarkable lithium storage performance. 2016 , 6, 30395-30400 Glucose-Assisted Synthesis of Highly Dispersed LiMnPO 4 Nanoparticles at a Low Temperature for Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2016 , 189, 205-214 Growth of 3D hierarchical porous NiO@carbon nanoflakes on graphene sheets for		9 5 9 23
132 131 130 129	Construction of cobalt sulfide/nickel core-branch arrays and their application as advanced electrodes for electrochemical energy storage. <i>Electrochimica Acta</i> , 2016 , 195, 184-191 Controlled synthesis of hollow SiNiBn nanoarchitectured electrode for advanced lithium-ion batteries. 2016 , 6, 23260-23264 3D hierarchical porous NiO nanoflowers as an advanced anode material with remarkable lithium storage performance. 2016 , 6, 30395-30400 Glucose-Assisted Synthesis of Highly Dispersed LiMnPO 4 Nanoparticles at a Low Temperature for Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2016 , 189, 205-214 Growth of 3D hierarchical porous NiO@carbon nanoflakes on graphene sheets for high-performance lithium-ion batteries. 2016 , 18, 3893-9 SiO2Barbon nanocomposite anodes with a 3D interconnected network and porous structure from		9 5 9 23 38

124 Anodes for Li-lon Batteries. **2016**, 323-429

123	Self-supported porous CoO semisphere arrays as binder-free electrodes for high-performance lithium ion batteries. 2016 , 73, 125-129		22
122	Preparation of Novel Nanocomposites of Polythiophene with SnO2 by In Situ Chemical Polymerization Method and Evaluation of their Physical Properties. 2016 , 46, 389-393		7
121	Simple fabrication of porous NiO nanoflowers: Growth mechanism, shape evolution and their application into Li-ion batteries. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 7202-7211	7	31
120	Novel templated mesoporous carbons as electrode for electrochemical capacitors with aqueous neutral electrolytes. 2017 , 242, 221-230		7
119	Complex Hollow Nanostructures: Synthesis and Energy-Related Applications. 2017 , 29, 1604563		529
118	Porous Co3O4 nanofibers surface-modified by reduced graphene oxide as a durable, high-rate anode for lithium ion battery. <i>Electrochimica Acta</i> , 2017 , 228, 241-250	7	69
117	Urea decomposition enhancing the hydrothermal synthesis of lithium iron phosphate powders: Effect of the lithium precursor. 2017 , 28, 1593-1602		7
116	A high-performance Li-ion anode from direct deposition of Si nanoparticles. <i>Nano Energy</i> , 2017 , 38, 477-48	·51	51
115	Hierarchical MCMB/CuO/Cu anode with super-hydrophilic substrate and blind-hole structures for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 719, 353-364	7	9
114	XMCD and XMCD-PEEM Studies on Magnetic-Field-Assisted Self-Assembled 1D Nanochains of Spherical Ferrite Particles. 2017 , 27, 1701265		16
113	Recent progress in cobalt-based compounds as high-performance anode materials for lithium ion batteries. 2017 , 36, 307-320		21
112	Hypercrosslinked polyHIPEs as precursors to designable, hierarchically porous carbon foams. 2017 , 115, 146-153		37
111	Synthetic Chemistry of Nanomaterials. 2017 , 613-640		7
110	Facile synthesis of nanoporous LiVO@C composites as promising anode materials for lithium-ion batteries. 2017 , 19, 9156-9163		2
109	A Bioinspired Nanofibrous Titania/Silicon Composite as an Anode Material for Lithium-Ion Batteries. <i>ChemNanoMat</i> , 2017 , 3, 120-129	5	13
108	High-capacity lithium-rich cathode oxides with multivalent cationic and anionic redox reactions for lithium ion batteries. 2017 , 60, 1483-1493		21
107	Nitrogen-doped porous carbons derived from isomeric metal azolate frameworks. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 24263-24268	,	16

106	Construction of N-doped carbon@MoSe2 core/branch nanostructure via simultaneous formation of core and branch for high-performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2017 , 256, 19-27	20
105	Self-Rearrangement of Silicon Nanoparticles Embedded in Micro-Carbon Sphere Framework for High-Energy and Long-Life Lithium-Ion Batteries. 2017 , 17, 5600-5606	108
104	ReviewElectrodeposition of Nanostructured Materials from Aqueous, Organic and Ionic Liquid Electrolytes for Li-Ion and Na-Ion Batteries: A Comparative Review. 2017 , 164, D597-D612	30
103	Improvement of the electrochemical performance of LiFePO4 cathode by Y-doping. 2017 , 7, 515-522	2
102	Template-assisted solvothermal assembly of size-controlled hierarchical V2O5 hollow microspheres with tunable nanoscale building blocks and their enhanced lithium storage properties. 6.7 Electrochimica Acta, 2017, 258, 942-950	5
101	Self-crosslink assisted synthesis of 3D porous branch-like Fe3O4/C hybrids for high-performance lithium/sodium-ion batteries. 2017 , 7, 50307-50316	19
100	Tailored silicon hollow spheres with Micrococcus for Li ion battery electrodes. <i>Chemical Engineering Journal</i> , 2017 , 327, 297-306	29
99	Nano Metal-Organic Framework-Derived Inorganic Hybrid Nanomaterials: Synthetic Strategies and Applications. 2017 , 23, 5631-5651	80
98	Reconstruction of copper shell on metal oxides as enhanced nanoarrays electrodes for lithium ion batteries. 2017 , 86, 308-312	6
97	Sandwich nanostructured LiMnPO4/C as enhanced cathode materials for lithium-ion batteries. 2017 , 52, 3597-3612	11
96	MoO2 nanoparticles grown on carbon fibers as anode materials for lithium-ion batteries. 2017 , 43, 760-765	35
95	Functional Hybrid Materials Based on Manganese Dioxide and Lignin Activated by Ionic Liquids and Their Application in the Production of Lithium Ion Batteries. 2017 , 18,	13
94	Modification of the Electrolyte/Electrode Interface for the Template-free Electrochemical Synthesis of Metal Nanowires from Ionic Liquids. 2018 , 9, 1272-1278	4
93	High-Throughput Production With Improved Functionality and Graphitization of Carbon Fine Fibers Developed from Sodium Chloride-Polyacrylonitrile Precursors. 2018 , 58, 2047-2054	4
92	Highly stable SnO-FeO-C hollow spheres for reversible lithium storage with extremely long cycle life. 2018 , 10, 4370-4376	38
91	Enhanced stability of smoothly electrodeposited amorphous Fe2O3@electrospun carbon nanofibers as self-standing anodes for lithium ion batteries. 2018 , 42, 1867-1878	9
90	Pore size-controlled synthesis of 3D hierarchical porous carbon materials for lithium-ion batteries. 2018 , 25, 1047-1056	5
89	3D Porous Culln Alloys as Alternative Anode Materials for Li-Ion Batteries with Superior Low T Performance. <i>Advanced Energy Materials</i> , 2018 , 8, 1701706	57

88	Heteroatom-doped porous carbons with enhanced carbon dioxide uptake and excellent methylene blue adsorption capacities. 2018 , 257, 1-8		47
87	Separator Membranes for High Energy-Density Batteries. 2018 , 5, 346-371		16
86	Metal®rganic Framework-Derived Sea-Cucumber-like FeS2@C Nanorods with Outstanding Pseudocapacitive Na-Ion Storage Properties. 2018 , 1, 6234-6241		29
85	Wrinkled rGO Sheets-Wrapped Carbon Fibers with High Tensile Strength and Excellent Electrochemical Stability as Anodes for Structural Li-Ion Battery. 2018 , 13, 1850095		O
84	Fabrication of Nanofibers: Electrospinning and Non-Electrospinning Techniques. 2018 , 1-34		3
83	Temperature-induced fabrication of 1D mesoporous Co3O4 for high performance Li-ion batteries. <i>Materials Letters</i> , 2018 , 233, 122-125	3.3	7
82	Polymer Based Nanofibers: Preparation, Fabrication, and Applications. 2018, 1-47		5
81	Ni-Sn-based hybrid composite anodes for high-performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2018 , 278, 25-32	6.7	33
80	Hierarchy Design in Metal Oxides as Anodes for Advanced Lithium-Ion Batteries. <i>Small Methods</i> , 2018 , 2, 1800171	12.8	53
79	Biomass-derived nitrogen/oxygen co-doped hierarchical porous carbon with a large specific surface area for ultrafast and long-life sodium-ion batteries. <i>Applied Surface Science</i> , 2018 , 462, 713-719	6.7	27
78	Structural Multifunctional Nanofibers and Their Emerging Applications. 2018, 1-47		
77	Recent research trends in LiB batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11582-11605	13	130
76	A new 3D Dirac nodal-line semi-metallic graphene monolith for lithium ion battery anode materials. Journal of Materials Chemistry A, 2018 , 6, 13816-13824	13	31
75	Nanofibers as new-generation materials: From spinning and nano-spinning fabrication techniques to emerging applications. <i>Applied Materials Today</i> , 2019 , 17, 1-35	6.6	166
74	Boosting electrochemical performance of electrospun silicon-based anode materials for lithium-ion battery by surface coating a second layer of carbon. <i>Applied Surface Science</i> , 2019 , 494, 94-100	6.7	26
73	Thermodynamic and kinetic study of the synthesis of mixed-valence V4O7 via oxidation in designed quench system with atmospheric control. <i>Journal of Alloys and Compounds</i> , 2019 , 804, 427-434	5.7	2
72	Multifunctional one-dimensional polymeric nanostructures for drug delivery and biosensor applications. <i>Nanotechnology</i> , 2019 , 30, 412001	3.4	13
71	In Situ Transmission Electron Microscopy Study of Nanocrystal Formation for Electrocatalysis. <i>ChemNanoMat</i> , 2019 , 5, 1439-1455	3.5	7

(2020-2019)

70	Rational Design of Fe2O3 Nanocube-Based Anodes for High-Performance Lilbn Batteries. <i>ChemistrySelect</i> , 2019 , 4, 11103-11109	1.8	4
69	In Operando analysis of the charge storage mechanism in a conversion ZnCo2O4 anode and the application in flexible Li-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1861-1872	6.8	4
68	Vertically-aligned nanostructures for electrochemical energy storage. <i>Nano Research</i> , 2019 , 12, 2002-20	017	23
67	Cobalt oxide-based nanoarchitectures for electrochemical energy applications. <i>Progress in Materials Science</i> , 2019 , 103, 596-677	42.2	97
66	Nanofibers for Biomedical and Healthcare Applications. <i>Macromolecular Bioscience</i> , 2019 , 19, e1800256	5.5	115
65	Nanostructured Materials for Li-Ion Battery Applications. <i>Environmental Chemistry for A Sustainable World</i> , 2019 , 105-172	0.8	1
64	Self-supported VO2 arrays decorated with N-doped carbon as an advanced cathode for lithium-ion storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6644-6650	13	26
63	Hard-template synthesis of three-dimensional interconnected carbon networks: Rational design, hybridization and energy-related applications. <i>Nano Today</i> , 2019 , 29, 100796	17.9	26
62	Controlled building of mesoporous MoS2@MoO2-doped magnetic carbon sheets for superior potassium ion storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26818-26828	13	34
61	Rational design of novel nanostructured arrays based on porous AAO templates for electrochemical energy storage and conversion. <i>Nano Energy</i> , 2019 , 55, 234-259	17.1	41
60	Sb2Te3-TiC-C nanocomposites for the high-performance anode in lithium-ion batteries. <i>Electrochimica Acta</i> , 2019 , 293, 8-18	6.7	15
59	Structural Reorganization-Based Nanomaterials as Anodes for Lithium-Ion Batteries: Design, Preparation, and Performance. <i>Small</i> , 2020 , 16, e1902841	11	19
58	Modification of Li4Ti5O12 Anodes Using Epoxy-Functionalized Silane to Improve Electrochemical Performance in Lithium-Ion Batteries. <i>Energy Technology</i> , 2020 , 8, 1900786	3.5	5
57	Spray-dried K3V(PO4)2/C composites as novel cathode materials for K-ion batteries with superior electrochemical performance. <i>Journal of Power Sources</i> , 2020 , 480, 229057	8.9	3
56	3D Architectures for Batteries and Electrodes. Advanced Energy Materials, 2020, 10, 2002457	21.8	18
55	Geometric and Electronic Properties of Li2GeO3. Frontiers in Materials, 2020, 7,	4	1
54	Solution blow spinning (SBS) and SBS-spun nanofibers: Materials, methods, and applications. <i>Materials Today Communications</i> , 2020 , 25, 101656	2.5	11
53	Facile synthesis, structure and electrochemical performance of RbV3O8/ketjenblack as cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2020 , 355, 136799	6.7	3

52	Solution blow spinning-polyacrylonitrile-assisted cellulose acetate nanofiber membrane. <i>Nanotechnology</i> , 2020 , 31, 345602	3.4	11
51	Facile simultaneous polymerization enabled in-situ confinement of size-tailored GeO2 nanocrystals in continuous S-Doped carbons for lithium storage. <i>Materials Today Chemistry</i> , 2020 , 17, 100293	6.2	4
50	A review on Fe O -based materials for advanced lithium-ion batteries. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 127, 109884	16.2	20
49	Recent Advances in Nanocasting Cobalt-Based Mesoporous Materials for Energy Storage and Conversion. <i>Electrocatalysis</i> , 2020 , 11, 465-484	2.7	6
48	Highly porous Li4Ti5O12 films as high-rate electrodes for fast lithium ion storage. <i>Materials Technology</i> , 2020 , 35, 635-641	2.1	1
47	Green electro-synthesis of Li2Fe3O5 microcrystals as high performance anode material for lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 863, 114061	4.1	5
46	Towards optimized Li-ion storage performance: Insight on the oxygen species evolution of hard carbon by H2 reduction. <i>Electrochimica Acta</i> , 2020 , 337, 135736	6.7	5
45	Fluorine-doped SnO2/reduced graphene oxide-artificial graphite hybrids as lithium-ion battery anodes with stable capacity. <i>Ionics</i> , 2020 , 26, 2835-2843	2.7	5
44	Novel hierarchical nanoporous graphene nanoplatelets with excellent rate capabilities produced via self-templating liquid metal dealloying. <i>Materials Today Communications</i> , 2020 , 24, 101120	2.5	9
43	Synthesis and integration of thin film solid state electrolytes for 3D Li-ion microbatteries. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020 , 38, 032411	2.9	6
42	Hollow spherical 0.5Li2MnO3D.5LiMn1/3Ni1/3Co1/3O2 prepared by facile molten salt method for enhanced long-cycle and rate capability of lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 855, 157376	5.7	5
41	Maghemite-based anode materials for Li-Ion batteries: The role of intentionally incorporated vacancies and cation distribution in electrochemical energy storage. <i>Journal of Alloys and Compounds</i> , 2021 , 861, 157962	5.7	9
40	Photoactive Heterostructures: How They Are Made and Explored. <i>Catalysts</i> , 2021 , 11, 294	4	4
39	Jute fiber based micro-mesoporous carbon: A biomass derived anode material with high-performance for lithium-ion batteries. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 265, 115015	3.1	10
38	Novel binder-free carbon anode for high capacity Li-ion batteries. <i>Nano Energy</i> , 2021 , 83, 105816	17.1	4
37	Constructing ionic channels in anion exchange membrane via a Zn2+ soft template: Experiment and molecular dynamics simulation. <i>Journal of Membrane Science</i> , 2021 , 629, 119293	9.6	4
36	Naturally nitrogen-doped porous carbon derived from waste crab shell as anode material for high performance sodium-ion battery. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 157, 105215	6	2
35	Elucidation of cube-like red iron oxide @ carbon nanofiber composite as an anode material for high performance lithium-ion storage. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 ,	6.3	O

34	Modification of the Cu current collector by magnetron sputtering to improve the cycle performance of MxOy (M:Ni,Mn,Co) anodes for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 872, 159594	5.7	2
33	Conversion/insertion pseudocapacitance-driven vacancy defective perovskite fluorides K0.82Co0.43Mn0.57F2.66@reduced graphene oxide anode for powerful Na-based dual-ion batteries and capacitors. <i>Electrochimica Acta</i> , 2021 , 389, 138713	6.7	3
32	Improved Lithium-Ion Transport Within the LiNi0.8Co0.15Al0.05O2 Secondary Cathode Particles Through a Template-Assisted Synthesis Route. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 1250	6 8 -₹25	74
31	A review of advances in multifunctional XTiO perovskite-type oxides as piezo-photocatalysts for environmental remediation and energy production. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126792	12.8	5
30	Enabling Enhanced Lithium Ion Storage Performance of Graphdiyne by Doping with Group-15 Elements: A First-Principles Study. <i>ACS Omega</i> , 2021 , 6, 1456-1464	3.9	0
29	Oxide (TiO2) Nanotubes Obtained Through Sol © el Method. 2016 , 1-28		2
28	Oxide (TiO2) Nanotubes Obtained Through Sol-Gel Method. 2018 , 737-764		1
27	Fabrication of Nanofibers: Electrospinning and Non-electrospinning Techniques. 2019, 45-77		10
26	Nanocomposites from V2O5 and Lithium-Ion Batteries. 2018, 223-249		1
25	Boosting fast lithium ion storage of Li4Ti5O12 by synergistic effect of vertical graphene and nitrogen doping. <i>Journal of Energy Chemistry</i> , 2020 , 51, 372-377	12	10
24	Carbon Anode Materials for Rechargeable Alkali Metal Ion Batteries and Characterization Techniques. <i>Frontiers in Chemistry</i> , 2020 , 8, 607504	5	4
23	Mesoporous Magnesium Manganese Silicate as a Cathode Material for Rechargeable Magnesium Batteries. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2011 , 26, 129-133	1	8
22	Biomedical Applications of Nanofibers. Russian Journal of Applied Chemistry, 2021, 94, 847-872	0.8	5
21	Green Electrochemical Energy Storage Devices Based on Sustainable Manganese Dioxides. <i>ACS ES&T Engineering</i> ,		3
20	Polymer-Based Nanofibers: Preparation, Fabrication, and Applications. 2019 , 215-261		6
19	An overview on the use of metal vanadium oxides and vanadates in supercapacitors and rechargeable batteries. <i>International Journal of Energy Research</i> ,	4.5	2
18	A review on nanofiber materials for lithium-metal batteries to suppress the dendritic lithium growth. <i>Chemical Engineering Journal</i> , 2022 , 433, 134392	14.7	2
17	Recent advances on graphene-based materials as cathode materials in lithium-sulfur batteries. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 8630-8657	6.7	2

16	Hollow nano- and microstructures: Mechanism, composition, applications, and factors affecting morphology and performance. <i>Coordination Chemistry Reviews</i> , 2022 , 458, 214429	23.2	7
15	Iron-chalcogenide-based electrode materials for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 7517-7556	13	5
14	One-pot spray pyrolysis for coreBhell structured Sn@SiOC anode nanocomposites that yield stable cycling in lithium-ion batteries. <i>Applied Surface Science</i> , 2022 , 589, 152952	6.7	1
13	Sol Gel Synthesis of Nanoparticles Ni0.5Mg0.5Fe1.7Mn0.3O4as Anode Material for Lithium-ion Batteries. 2021 ,		
12	Nanocellulose-based functional materials for advanced energy and sensor applications. <i>Nano Research</i> , 1	10	1
11	Sulfur/Nitrogen Co-Doped Mesoporous Carbon for High-Performance Lithium-Ion Battery Anodes. <i>Journal of Electronic Materials</i> ,	1.9	O
10	Metallic Nanosponges for Energy Storage and Conversion Applications. <i>Journal of Materials Chemistry A</i> ,	13	2
9	Conversion reaction-based transition metal oxides as anode materials for lithium ion batteries: recent progress and future prospects. <i>Ceramist</i> , 2022 , 25, 218-246	0.3	
8	Three-dimensional tubular carbon aerogel for supercapacitors. 2022 , 52, 6		O
7	A route towards graphene from lignocellulosic biomass: Technicality, challenges, and their		O
	prospective applications. 2022 , 380, 135090		
6	Polymeric Nanofibers for Drug Delivery Applications: A Recent Review. 2022 , 33,		1
6			1
	Polymeric Nanofibers for Drug Delivery Applications: A Recent Review. 2022 , 33, Hyaluronic acid-based nanofibers: Electrospun synthesis and their medical applications; recent		
5	Polymeric Nanofibers for Drug Delivery Applications: A Recent Review. 2022, 33, Hyaluronic acid-based nanofibers: Electrospun synthesis and their medical applications; recent developments and future perspective. 10, Generation of Cu2O hierarchical microspheres with oxygen vacancy on Cu foam for fast Li-storage		O
5	Polymeric Nanofibers for Drug Delivery Applications: A Recent Review. 2022, 33, Hyaluronic acid-based nanofibers: Electrospun synthesis and their medical applications; recent developments and future perspective. 10, Generation of Cu2O hierarchical microspheres with oxygen vacancy on Cu foam for fast Li-storage kinetics. 2023, 930, 117149		0