

CITATION REPORT

List of articles citing

Synthesis and Lithium Storage Properties of Co₃O₄ Nanosheet-Assembled Multishelled Hollow Spheres

DOI: 10.1002/adfm.200902295

Advanced Functional Materials, 2010, 20, 1680-1686.

Source: <https://exaly.com/paper-pdf/48117596/citation-report.pdf>

Version: 2024-04-09

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
628	Tuning the Shell Number of Multishelled Metal Oxide Hollow Fibers for Optimized Lithium-Ion Storage.		
627	A facile method to improve the high rate capability of Co ₃ O ₄ nanowire array electrodes. 2010 , 3, 895-901		153
626	Hollow Nanostructured Anode Materials for Li-Ion Batteries. <i>Nanoscale Research Letters</i> , 2010 , 5, 1525-34		166
625	Recent progress on surface pattern fabrications based on monolayer colloidal crystal templates and related applications. <i>Nanoscale</i> , 2011 , 3, 2768-82	7.7	58
624	A facile synthesis and lithium storage properties of Co ₃ O ₄ @graphene hybrid core-shell and hollow spheres. 2011 , 21, 17998		55
623	Co ₃ O ₄ @graphene composites as anode materials for high-performance lithium ion batteries. 2011 , 50, 1628-32		324
622	Zinc oxide core-shell hollow microspheres with multi-shelled architecture for gas sensor applications. 2011 , 21, 19331		91
621	Double-shelled hollow microspheres of LiMn ₂ O ₄ for high-performance lithium ion batteries. 2011 , 21, 9475		92
620	Facile construction of multicompartment multienzyme system through layer-by-layer self-assembly and biomimetic mineralization. 2011 , 3, 881-9		90
619	Fabrication and application of inorganic hollow spheres. 2011 , 40, 5472-91		695
618	Hierarchical protonated titanate nanostructures for lithium-ion batteries. <i>Nanoscale</i> , 2011 , 3, 4074-7	7.7	32
617	Self-stacked Co ₃ O ₄ nanosheets for high-performance lithium ion batteries. 2011 , 47, 12280-2		113
616	Topochemical synthesis of cobalt oxide nanowire arrays for high performance binderless lithium ion batteries. 2011 , 21, 11867		53
615	Multishelled Co ₃ O ₄ -Fe ₃ O ₄ hollow spheres with even magnetic phase distribution: Synthesis, magnetic properties and their application in water treatment. 2011 , 21, 17680		63
614	Template-free synthesis of ZnV ₂ O ₄ hollow spheres and their application for organic dye removal. 2011 , 258, 189-195		31
613	Hierarchical CuO hollow microspheres: Controlled synthesis for enhanced lithium storage performance. 2011 , 509, 3367-3374		63
612	Yolk/shell nanoparticles: new platforms for nanoreactors, drug delivery and lithium-ion batteries. 2011 , 47, 12578-91		727

611	Conducting solids. 2011 , 107, 434	2
610	Supercapacitive Properties of Hydrothermally Synthesized Co ₃ O ₄ Nanostructures. 2011 , 115, 17599-17605	158
609	A facile method to fabricate porous Co ₃ O ₄ hierarchical microspheres. 2011 , 62, 775-780	18
608	Morphology-controlled synthesis of octahedron and hexagonal plate of Co ₃ O ₄ . 2011 , 65, 650-652	11
607	Co ₂ SnO ₄ /multiwalled carbon nanotubes composite as a highly reversible anode material for lithium-ion batteries. 2011 , 56, 9515-9519	47
606	Ultralayered Co ₃ O ₄ for High-Performance Supercapacitor Applications. 2011 , 115, 15646-15654	753
605	Morphology-controllable synthesis of cobalt oxalates and their conversion to mesoporous Co ₃ O ₄ nanostructures for application in supercapacitors. 2011 , 50, 6482-92	245
604	Recent developments in fabrication and applications of colloid based composite particles. 2011 , 21, 615-627	73
603	3-D mesoporous nano/micro-structured Fe ₃ O ₄ /C as a superior anode material for lithium-ion batteries. 2011 , 15, 2563-2569	41
602	General Synthesis and Gas-Sensing Properties of Multiple-Shell Metal Oxide Hollow Microspheres. 2011 , 123, 2790-2793	142
601	General synthesis and gas-sensing properties of multiple-shell metal oxide hollow microspheres. 2011 , 50, 2738-41	473
600	Topochemical synthesis of cobalt oxide-based porous nanostructures for high-performance lithium-ion batteries. 2011 , 17, 1596-604	47
599	Nanosheet-based titania microspheres with hollow core-shell structure encapsulating horseradish peroxidase for a mediator-free biosensor. 2011 , 32, 6588-94	73
598	Molten hydroxides synthesis of hierarchical cobalt oxide nanostructure and its application as anode material for lithium ion batteries. 2011 , 56, 4876-4881	38
597	Porous SnO ₂ nanoflakes with loose-packed structure: Morphology conserved transformation from SnS ₂ precursor and application in lithium ion batteries and gas sensors. 2011 , 72, 630-636	26
596	Porous ZnFe ₂ O ₄ Nanospheres Grown on Graphene Nanosheets as a Superior Anode Material for Lithium Ion Batteries. 2012 , 41, 639-641	17
595	Spinel Mn _{1.5} Co _{1.5} O ₄ core-shell microspheres as Li-ion battery anode materials with a long cycle life and high capacity. 2012 , 22, 23254	129
594	Solvothermal synthesis of Cu/Cu ₂ O hollow microspheres for non-enzymatic amperometric glucose sensing. 2012 , 14, 1289-1295	94

593	Preparation of hollow Co ₃ O ₄ microspheres and their ethanol sensing properties. 2012 , 51, 11513-20		79
592	Co ₃ O ₄ Nanocages for High-Performance Anode Material in Lithium-Ion Batteries. 2012 , 116, 7227-7235		374
591	Recent advances in micro-/nano-structured hollow spheres for energy applications: From simple to complex systems. 2012 , 5, 5604-5618		996
590	Beyond Intercalation: Nanoscale-Enabled Conversion Anode Materials for Lithium-Ion Batteries. 2012 , 85-116		2
589	Low Cost Synthesis of 3D Flowerlike Co ₃ O ₄ Nanostructures as Active Catalyst for CO Oxidation. 2012 , 33, 1334-1339		7
588	Fe ₂ O ₃ nanoparticles coated on ferrocene-encapsulated single-walled carbon nanotubes as stable anode materials for long-term cycling. <i>RSC Advances</i> , 2012 , 2, 4205	3-7	14
587	Shape-controlled synthesis of TiO ₂ hollow structures and their application in lithium batteries. 2012 , 22, 1969-1976		90
586	Revealing the conversion mechanism of CuO nanowires during lithiation-delithiation by in situ transmission electron microscopy. 2012 , 48, 4812-4		141
585	Free-standing and porous hierarchical nanoarchitectures constructed with cobalt cobaltite nanowalls for supercapacitors with high specific capacitances. <i>Journal of Power Sources</i> , 2012 , 219, 140-146	8-9	82
584	Synthesis of multiple-shell WO ₃ hollow spheres by a binary carbonaceous template route and their applications in visible-light photocatalysis. 2012 , 18, 13949-53		73
583	Improved electrochemical performance of Fe ₂ O ₃ nanoparticles confined in carbon nanotubes. 2012 , 22, 13756		128
582	Tailored graphene-encapsulated mesoporous Co ₃ O ₄ composite microspheres for high-performance lithium ion batteries. 2012 , 22, 17278		108
581	A Vapor-Phase Corrosion Strategy to Hierarchically Mesoporous Nanosheet-Assembled Gearlike Pillar Arrays for Super-Performance Lithium Storage. 2012 , 116, 21224-21231		20
580	Novel CeO ₂ yolk-shell structures loaded with tiny Au nanoparticles for superior catalytic reduction of p-nitrophenol. <i>Nanoscale</i> , 2012 , 4, 6835-40	7-7	78
579	Coupled synthesis and encapsulation in one-pot method for fabricating size-tunable hollow carbon spheres containing encapsulated Ag microparticles. 2012 , 410, 170-177		6
578	Facile preparation and electrochemical properties of hierarchical chrysanthemum-like WO ₃ ·0.33H ₂ O. 2012 , 22, 3699		66
577	Surfactant-free scalable synthesis of hierarchically spherical Co ₃ O ₄ superstructures and their enhanced lithium-ion storage performances. <i>Nanotechnology</i> , 2012 , 23, 465401	3-4	23
576	Cobalt(II,III) oxide hollow structures: fabrication, properties and applications. 2012 , 22, 23310		142

575	Electrical and photoresponse properties of Co ₃ O ₄ nanowires. 2012 , 111, 104306		34
574	Synthetic Architecture of Multiple Core-shell and Yolk-shell Structures of (Cu ₂ [email-protected]) _n Cu ₂ O (n = 1-4) with Centricity and Eccentricity. 2012 , 24, 1917-1929		78
573	A robust composite of SnO ₂ hollow nanospheres enwrapped by graphene as a high-capacity anode material for lithium-ion batteries. 2012 , 22, 17456		123
572	Mesoporous SnO ₂ @carbon core-shell nanostructures with superior electrochemical performance for lithium ion batteries. <i>Nanotechnology</i> , 2012 , 23, 035402	3-4	42
571	A facile approach toward transition metal oxide hierarchical structures and their lithium storage properties. <i>Nanoscale</i> , 2012 , 4, 3718-24	7-7	53
570	Shape-controlled synthesis and characterization of cobalt oxides hollow spheres and octahedra. 2012 , 41, 5981-7		42
569	Facile and economical synthesis of hierarchical carbon-coated magnetite nanocomposite particles and their applications in lithium ion battery anodes. 2012 , 5, 9528		109
568	CoO octahedral nanocages for high-performance lithium ion batteries. 2012 , 48, 4878-80		119
567	Effect of calcination temperature on the porous structure of cobalt oxide micro-flowers. 2012 , 14, 1271-1276	61	
566	Ion-exchange route to Au-Cu(x)OS yolk-shell nanostructures with porous shells and their ultrasensitive H ₂ O ₂ detection. 2012 , 4, 6463-7		50
565	Precursor-directed formation of hollow Co ₃ O ₄ nanospheres exhibiting superior lithium storage properties. <i>RSC Advances</i> , 2012 , 2, 3187	3-7	64
564	N-Doped Graphene-SnO ₂ Sandwich Paper for High-Performance Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2012 , 22, 2682-2690	15-6	479
563	3D Hierarchical Co ₃ O ₄ Twin-Spheres with an Urchin-Like Structure: Large-Scale Synthesis, Multistep-Splitting Growth, and Electrochemical Pseudocapacitors. <i>Advanced Functional Materials</i> , 2012 , 22, 4052-4059	15-6	273
562	Two-dimensional nanoarchitectures for lithium storage. 2012 , 24, 4097-111		444
561	ZnO hollow spheres with double-yolk egg structure for high-performance photocatalysts and photodetectors. 2012 , 24, 3421-5		211
560	Formation of ZnMn ₂ O ₄ ball-in-ball hollow microspheres as a high-performance anode for lithium-ion batteries. 2012 , 24, 4609-13		557
559	One-step solvothermal synthesis of single-crystalline TiO ₂ nanotubes with high lithium-ion battery performance. 2012 , 18, 4026-30		30
558	Novel highly porous SnO ₂ composite as high performance anode material for lithium-ion batteries. 2012 , 65, 275-279		32

557	Shape-controlled fabrication of the porous Co ₃ O ₄ nanoflower clusters for efficient catalytic oxidation of gaseous toluene. 2012 , 209-210, 385-91		125
556	Double-shelled CoMn ₂ O ₄ hollow microcubes as high-capacity anodes for lithium-ion batteries. 2012 , 24, 745-8		618
555	Metal oxide hollow nanostructures for lithium-ion batteries. 2012 , 24, 1903-11		1327
554	Controllable synthesis of Co ₃ O ₄ nanostructures with good cycling performance and rate capacity in lithium-ion batteries. 2013 , 15, 1		8
553	A new strategy for synthesizing yolk-shell V ₂ O ₅ powders with low melting temperature for high performance Li-ion batteries. <i>Nanoscale</i> , 2013 , 5, 8899-903	7·7	55
552	Hollow porous SiO ₂ nanocubes towards high-performance anodes for lithium-ion batteries. 2013 , 3, 1568		304
551	Facile synthesis of loaf-like ZnMn ₂ O ₄ nanorods and their excellent performance in Li-ion batteries. <i>Nanoscale</i> , 2013 , 5, 2442-7	7·7	161
550	Co ₃ O ₄ nanocrystals with predominantly exposed facets: synthesis, environmental and energy applications. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14427	13	128
549	Cheap and scalable synthesis of Fe ₂ O ₃ multi-shelled hollow spheres as high-performance anode materials for lithium ion batteries. 2013 , 49, 8695-7		178
548	Engineering nanostructured anodes via electrostatic spray deposition for high performance lithium ion battery application. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 165-182	13	148
547	Shape-controlled synthesis of hollow silica colloids. 2013 , 29, 11575-81		50
546	Facile synthesis of a Co ₃ O ₄ /carbon nanotube composite and its superior performance as an anode material for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1141-1147	13	157
545	The facile synthesis of hierarchical porous flower-like NiCo ₂ O ₄ with superior lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10935	13	227
544	Self-assembled synthesis of 3D CuO flocculus-like nanosheet-based hierarchical nanostructures. 2013 , 29, 379-383		1
543	Electrochemical properties of yolk-shell, hollow, and dense WO ₃ particles prepared by using spray pyrolysis. 2013 , 6, 1320-5		39
542	Hierarchical porous Co ₃ O ₄ films with size-adjustable pores as Li ion battery anodes with excellent rate performances. 2013 , 114, 251-258		7
541	Controlled synthesis of mesoporous MnO/C networks by microwave irradiation and their enhanced lithium-storage properties. 2013 , 5, 1997-2003		152
540	Rambutan-like FeCO ₃ hollow microspheres: facile preparation and superior lithium storage performances. 2013 , 5, 11212-7		102

539	Evolution of nickel sulfide hollow spheres through topotactic transformation. <i>Nanoscale</i> , 2013 , 5, 12224-20	30
538	Ion-induced synthesis of uniform single-crystalline sulphide-based quaternary-alloy hexagonal nanorings for highly efficient photocatalytic hydrogen evolution. 2013 , 25, 2567-72	40
537	One-pot synthesis of Fe ₂ O ₃ yolk-shell particles with two, three, and four shells for application as an anode material in lithium-ion batteries. <i>Nanoscale</i> , 2013 , 5, 11592-7	7.7 61
536	Metal oxide hollow nanostructures: Fabrication and Li storage performance. <i>Journal of Power Sources</i> , 2013 , 238, 376-387	8.9 163
535	General Formation of Complex Tubular Nanostructures of Metal Oxides for the Oxygen Reduction Reaction and Lithium-Ion Batteries. 2013 , 125, 8805-8809	48
534	Yolk-shelled cathode materials with extremely high electrochemical performances prepared by spray pyrolysis. <i>Nanoscale</i> , 2013 , 5, 7867-71	7.7 53
533	Formation of WO ₃ nanotube-based bundles directed by NaHSO ₄ and its application in water treatment. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1246-1253	13 93
532	Superior electrochemical properties of LiMn ₂ O ₄ yolk-shell powders prepared by a simple spray pyrolysis process. 2013 , 49, 5978-80	51
531	Construction of monodisperse vanadium pentoxide hollow spheres via a facile route and triethylamine sensing property. 2013 , 15, 10123	113
530	Facile synthesis and electrochemical properties of CoMn ₂ O ₄ anodes for high capacity lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2139-2143	13 79
529	Self-assembled hairy ball-like Co ₃ O ₄ nanostructures for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13203	13 48
528	Template-free synthesis of urchin-like Co ₃ O ₄ hollow spheres with good lithium storage properties. <i>Journal of Power Sources</i> , 2013 , 222, 97-102	8.9 116
527	Transmission electron microscope as an ultimate tool for nanomaterial property studies. 2013 , 62, 157-75	7
526	Template-free synthesis of VO ₂ hollow microspheres with various interiors and their conversion into V ₂ O ₅ for lithium-ion batteries. 2013 , 52, 2226-30	244
525	Synthesis of Co ₃ O ₄ nano-octahedra enclosed by {111} facets and their excellent lithium storage properties as anode material of lithium ion batteries. 2013 , 2, 394-402	120
524	Controlled synthesis of multi-shelled transition metal oxide hollow structures through one-pot solution route. 2013 , 24, 1-6	18
523	Synthesis and characterization of shape-controlled mesoporous Co ₃ O ₄ hierarchical nanostructures. <i>RSC Advances</i> , 2013 , 3, 508-512	3.7 14
522	Well-arranged porous Co ₃ O ₄ microsheets for electrochemistry of Pb(II) revealed by stripping voltammetry. 2013 , 30, 59-62	77

521	One-pot solvothermal synthesis of multi-shelled Fe_2O_3 hollow spheres with enhanced visible-light photocatalytic activity. 2013 , 551, 440-443		54
520	Preparation and characterization of MnFe_2O_4 in the solvothermal process: Their magnetism and electrochemical properties. 2013 , 48, 2511-2516		41
519	Generalized synthesis of a family of multishelled metal oxide hollow microspheres. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3575	13	30
518	One-pot synthesis of a mesoporous NiCo_2O_4 nanoplatelet and graphene hybrid and its oxygen reduction and evolution activities as an efficient bi-functional electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4754	13	431
517	Enhanced lithium storage performances of hierarchical hollow MoS_2 nanoparticles assembled from nanosheets. 2013 , 5, 1003-8		244
516	Electric papers of graphene-coated CoO fibers for high-performance lithium-ion batteries. 2013 , 5, 997-1002		137
515	Branched $\text{Co}_3\text{O}_4/\text{Fe}_2\text{O}_3$ nanowires as high capacity lithium-ion battery anodes. 2013 , 6, 167-173		155
514	Surfactant-assisted synthesis of a Co_3O_4 /reduced graphene oxide composite as a superior anode material for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7159	13	65
513	Octahedral Co_3O_4 particles threaded by carbon nanotube arrays as integrated structure anodes for lithium ion batteries. 2013 , 15, 5582-7		46
512	Self-assembly of hierarchical star-like Co_3O_4 micro/nanostructures and their application in lithium ion batteries. <i>Nanoscale</i> , 2013 , 5, 1922-8	7:7	110
511	Facile carbonaceous microsphere templated synthesis of Co_3O_4 hollow spheres and their electrochemical performance in supercapacitors. 2013 , 6, 87-98		81
510	Photoelectrochemical properties of electrostatically self-assembled multilayer films formed by a cobalt complex and graphene oxide. 2013 , 402, 107-13		16
509	One-pot facile synthesis of double-shelled SnO_2 yolk-shell-structured powders by continuous process as anode materials for Li-ion batteries. 2013 , 25, 2279-83, 2250		357
508	Metal oxides and oxysalts as anode materials for Li ion batteries. 2013 , 113, 5364-457		2412
507	Accurate control of multishelled Co_3O_4 hollow microspheres as high-performance anode materials in lithium-ion batteries. 2013 , 52, 6417-20		580
506	Accurate Control of Multishelled Co_3O_4 Hollow Microspheres as High-Performance Anode Materials in Lithium-Ion Batteries. 2013 , 125, 6545-6548		264
505	Facile synthesis of yolk-shell MoO_2 microspheres with excellent electrochemical performance as a Li-ion battery anode. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6858	13	78
504	Free-Standing Ultrathin Cobalt Nanosheets Synthesized by Means of In Situ Reduction and Interface-Directed Assembly and Their Magnetic Properties. 2013 , 78, 481-485		6

503	Superior electrochemical properties of Co ₃ O ₄ yolk-shell powders with a filled core and multishells prepared by a one-pot spray pyrolysis. 2013 , 49, 5678-80		57
502	Designed synthesis of LiMn ₂ O ₄ microspheres with adjustable hollow structures for lithium-ion battery applications. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 837-842	13	50
501	Biomolecule-assisted construction of cadmium sulfide hollow spheres with structure-dependent photocatalytic activity. 2013 , 14, 591-6		15
500	Template-free synthesis of amorphous double-shelled zinc-cobalt citrate hollow microspheres and their transformation to crystalline ZnCo ₂ O ₄ microspheres. 2013 , 5, 5508-17		99
499	Coaxial Fe ₃ O ₄ /CuO hybrid nanowires as ultra fast charge/discharge lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8672	13	66
498	Facile microstructure control of mesoporous Co _{1.29} Ni _{1.71} O ₄ and the effect of the microstructure on lithium-storage performance. 2013 , 19, 10193-200		26
497	Hierarchical hollow spheres composed of ultrathin Fe ₂ O ₃ nanosheets for lithium storage and photocatalytic water oxidation. 2013 , 6, 987		384
496	Morphology control of CoCO ₃ crystals and their conversion to mesoporous Co ₃ O ₄ for alkaline rechargeable batteries application. 2013 , 15, 6101		42
495	General formation of complex tubular nanostructures of metal oxides for the oxygen reduction reaction and lithium-ion batteries. 2013 , 52, 8643-7		179
494	A new CaCO ₃ -template method to synthesize nanoporous manganese oxide hollow structures and their transformation to high-performance LiMn ₂ O ₄ cathodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7077	13	58
493	Template-Free Synthesis of VO ₂ Hollow Microspheres with Various Interiors and Their Conversion into V ₂ O ₅ for Lithium-Ion Batteries. 2013 , 125, 2282-2286		172
492	Self-supported construction of uniform Fe ₃ O ₄ hollow microspheres from nanoplate building blocks. 2013 , 52, 4165-8		209
491	Synthesis and properties of oval-shaped iron oxide/ethylene glycol mesostructured nanosheets. 2013 , 19, 5442-9		6
490	A facile approach to fabrication of well-dispersed NiO/ZnO composite hollow microspheres. <i>RSC Advances</i> , 2013 , 3, 24430-24439	3.7	13
489	Preparation and electrochemical performance of the layered cobalt oxide (Co ₃ O ₄) as supercapacitor electrode material. 2013 , 17, 55-61		78
488	Co ₃ O ₄ nanocages with highly exposed {110} facets for high-performance lithium storage. 2013 , 3, 2543		92
487	Excellent electrochemical properties of yolk-shell LiV ₃ O ₈ powder and its potential as cathodic material for lithium-ion batteries. 2013 , 19, 17305-9		19
486	Electrospun hierarchical CaCo ₂ O ₄ nanofibers with excellent lithium storage properties. 2013 , 19, 14823-30		23

485	Self-Supported Construction of Uniform Fe ₃ O ₄ Hollow Microspheres from Nanoplate Building Blocks. 2013 , 125, 4259-4262	30
484	Nanoparticles Engineering for Lithium-Ion Batteries. 2013 , 30, 737-753	22
483	TWO-DIMENSIONAL NANOSHEETS-ASSEMBLED FLOWER-LIKE Co ₃ O ₄ MICROSPHERES AND THEIR GAS SENSING PERFORMANCES. 2014 , 09, 1450071	7
482	Preparation of yolk-shell and filled Co ₉ S ₈ microspheres and comparison of their electrochemical properties. 2014 , 9, 572-6	63
481	Facile synthesis of morphology-controlled Co ₃ O ₄ nanostructures through solvothermal method with enhanced catalytic activity for H ₂ O ₂ electroreduction. <i>Journal of Power Sources</i> , 2014 , 253, 214-223 ^{8.9}	23
480	Li and Na storage behavior of bowl-like hollow Co ₃ O ₄ microspheres as an anode material for lithium-ion and sodium-ion batteries. 2014 , 132, 193-199	88
479	Controllable preparation of multishelled NiO hollow nanospheres via layer-by-layer self-assembly for supercapacitor application. <i>Journal of Power Sources</i> , 2014 , 246, 24-31	8.9 205
478	Recent progress in electrode materials produced by spray pyrolysis for next-generation lithium ion batteries. 2014 , 25, 18-31	60
477	Liquid precipitation synthesis of Co ₃ O ₄ for high-performance electrochemical capacitors. 2014 , 20, 489-494	10
476	Triple-Yolked ZnO/CdS Hollow Spheres for Semiconductor-Sensitized Solar Cells. 2014 , 31, 757-762	8
475	Net-structured Co ₃ O ₄ /C nanosheet array with enhanced electrochemical performance toward lithium storage. 2014 , 51, 112-118	10
474	Facile chemical bath deposition of Co ₃ O ₄ nanowires on nickel foam directly as conductive agent- and binder-free anode for lithium ion batteries. 2014 , 40, 11377-11380	18
473	Challenges of "going nano": enhanced electrochemical performance of cobalt oxide nanoparticles by carbothermal reduction and in situ carbon coating. 2014 , 15, 2177-85	34
472	Unusual Formation of ZnCo ₂ O ₄ 3D Hierarchical Twin Microspheres as a High-Rate and Ultralong-Life Lithium-Ion Battery Anode Material. <i>Advanced Functional Materials</i> , 2014 , 24, 3012-3020 ^{15.6}	330
471	Rapid microwave-assisted green synthesis of 3D hierarchical flower-shaped NiCo ₂ O ₄ microsphere for high-performance supercapacitor. 2014 , 6, 1773-80	405
470	Template-Free Fabrication of Mesoporous Hollow ZnMn ₂ O ₄ Sub-microspheres with Enhanced Lithium Storage Capability towards High-Performance Li-Ion Batteries. 2014 , 31, 657-663	63
469	Mesoporous Co ₃ O ₄ nanosheets-3D graphene networks hybrid materials for high-performance lithium ion batteries. 2014 , 118, 1-9	98
468	Evaluating the performance of nanostructured materials as lithium-ion battery electrodes. 2014 , 7, 1-62	261

467	Multishelled TiO ₂ hollow microspheres as anodes with superior reversible capacity for lithium ion batteries. 2014 , 14, 6679-84		366
466	Facile synthesis, magnetic and optical properties of double-shelled Co ₃ O ₄ hollow microspheres. 2014 , 25, 1780-1785		22
465	Effect of esterification reaction of citric acid and ethylene glycol on the formation of multi-shelled cobalt oxide powders with superior electrochemical properties. 2014 , 7, 1738-1748		44
464	Tailoring the Void Size of Iron Oxide@Carbon Yolk-Shell Structure for Optimized Lithium Storage. <i>Advanced Functional Materials</i> , 2014 , 24, 4337-4342	15.6	197
463	Self-template construction of hollow Co ₃ O ₄ microspheres from porous ultrathin nanosheets and efficient noble metal-free water oxidation catalysts. <i>Nanoscale</i> , 2014 , 6, 7255-62	7.7	177
462	Ethylenediamine-modulated synthesis of highly monodisperse copper sulfide microflowers with excellent photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20004-20009	13	47
461	CoxMn _{3-x} O ₄ hollow octahedrons: synthesis, growth mechanism, and their application in high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13103-13108	13	13
460	Yolk-shell structured Y ₂ O ₃ :Eu ³⁺ phosphor powders with enhanced photoluminescence properties prepared by spray pyrolysis. 2014 , 16, 6170		13
459	Metal organic frameworks-derived Co ₃ O ₄ hollow dodecahedrons with controllable interiors as outstanding anodes for Li storage. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12194-12200	13	304
458	Hierarchical core-shell Fe ₂ O ₃ @C nanotubes as a high-rate and long-life anode for advanced lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3439-3444	13	55
457	Microwave-assisted hydrothermal synthesis of graphene-wrapped CuO hybrids for lithium ion batteries. <i>RSC Advances</i> , 2014 , 4, 51362-51365	3.7	13
456	Triple-shelled Mn ₂ O ₃ hollow nanocubes: force-induced synthesis and excellent performance as the anode in lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14189	13	87
455	Nanoparticulate Mn ₃ O ₄ /VGCF composite conversion-anode material with extraordinarily high capacity and excellent rate capability for lithium ion batteries. 2014 , 6, 18129-38		71
454	Recent advances in hierarchical macroporous composite structures for photoelectric conversion. 2014 , 7, 3887-3901		34
453	Controlled synthesis of Co ₃ O ₄ single-crystalline nanofilms enclosed by (111) facets and their exceptional activity for the catalytic decomposition of ammonium perchlorate. 2014 , 16, 8673-8677		21
452	Interface chemistry engineering in electrode systems for electrochemical energy storage. <i>RSC Advances</i> , 2014 , 4, 37491-37502	3.7	7
451	Novel three-dimensional NiCo ₂ O ₄ hierarchitectures: solvothermal synthesis and electrochemical properties. 2014 , 16, 385-392		114
450	A novel strategy to fabricate multifunctional Fe ₃ O ₄ @C@TiO ₂ yolk-shell structures as magnetically recyclable photocatalysts. <i>Nanoscale</i> , 2014 , 6, 6603-8	7.7	31

449	Porous SnO ₂ nanocubes with controllable pore volume and their Li storage performance. <i>RSC Advances</i> , 2014 , 4, 13250-13255	3-7	7
448	A new synthetic route to hollow Co ₃ O ₄ octahedra for supercapacitor applications. 2014 , 16, 826-833		79
447	L-Histidine-assisted template-free hydrothermal synthesis of Fe ₂ O ₃ porous multi-shelled hollow spheres with enhanced lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12361-12367	13	31
446	Hierarchical porous Co ₃ O ₄ nanosheet arrays directly grown on carbon cloth by an electrochemical route for high performance Li-ion batteries. 2014 , 38, 2250-2253		29
445	Synthesis of 2D hollow hematite microplatelets with tuneable porosity and their comparative photocatalytic activities. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4340	13	38
444	CoO Hollow Cube/Reduced Graphene Oxide Composites with Enhanced Lithium Storage Capability. 2014 , 26, 5958-5964		122
443	Controlled synthesis of porous Co ₃ O ₄ /Ti hybrid nanosheet arrays and their application in lithium ion batteries. <i>RSC Advances</i> , 2014 , 4, 30573-30578	3-7	14
442	Co ₃ O ₄ nanoparticles with multi-enzyme activities and their application in immunohistochemical assay. 2014 , 6, 1959-70		266
441	Li storage and impedance spectroscopy studies on Co ₃ O ₄ , CoO, and CoN for Li-ion batteries. 2014 , 6, 680-90		179
440	Face-Raised Octahedral Co ₃ O ₄ Nanocrystals and Their Catalytic Activity in the Selective Oxidation of Alcohols. 2014 , 118, 4767-4773		28
439	High-rate lithiation-induced reactivation of mesoporous hollow spheres for long-lived lithium-ion batteries. 2014 , 5, 4526		497
438	One-step calcination-free synthesis of multicomponent spinel assembled microspheres for high-performance anodes of li-ion batteries: a case study of MnCo(2)O(4). 2014 , 6, 2439-49		188
437	Real time observation of the formation of hollow nanostructures through solid state reactions. 2014 , 86, 4348-53		6
436	Carbon-coated Ni ₃ Sn ₂ nanoparticles embedded in porous carbon nanosheets as a lithium ion battery anode with outstanding cycling stability. <i>RSC Advances</i> , 2014 , 4, 49247-49256	3-7	22
435	Metal-organic framework derived Fe ₂ O ₃ @NiCo ₂ O ₄ porous nanocages as anode materials for Li-ion batteries. <i>Nanoscale</i> , 2014 , 6, 5509-15	7-7	147
434	Advanced yolk-shell hydroxyapatite for bone graft materials: kilogram-scale production and structure-in vitro bioactivity relationship. <i>RSC Advances</i> , 2014 , 4, 25234	3-7	8
433	Selective synthesis of hierarchical mesoporous spinel NiCo ₂ O ₄ for high-performance supercapacitors. <i>Nanoscale</i> , 2014 , 6, 4303-8	7-7	152
432	An unusual temperature gradient crystallization process: facile synthesis of hierarchical ZnO porous hollow spheres with controllable shell numbers. 2014 , 16, 7933-7941		20

431	Controllable synthesis of hierarchical ZnSn(OH) ₆ and Zn ₂ SnO ₄ hollow nanospheres and their applications as anodes for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17979-17985	13	34
430	Facile synthesis and microwave absorbability of C@Ni ₃ NiO core-shell hybrid solid sphere and multi-shelled NiO hollow sphere. 2014 , 97, 18-26		71
429	One-pot synthesis of reduced graphene oxide supported hollow Ag@Pt core-shell nanospheres with enhanced electrocatalytic activity for ethylene glycol oxidation. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3445	13	91
428	Molten salt synthesis of tin doped hematite nanodiscs and their enhanced electrochemical performance for Li-ion batteries. <i>RSC Advances</i> , 2014 , 4, 32781-32786	3.7	6
427	Hollow MnCo ₂ O ₄ submicrospheres with multilevel interiors: from mesoporous spheres to yolk-in-double-shell structures. 2014 , 6, 24-30		175
426	Surfactant dependent self-organization of Co ₃ O ₄ nanowires on Ni foam for high performance supercapacitors: from nanowire microspheres to nanowire paddy fields. <i>Nanoscale</i> , 2014 , 6, 3638-46	7.7	163
425	Synthesis of Li ₄ Ti ₅ O ₁₂ nanostructural anode materials with high charge/discharge capability. 2014 , 59, 2162-2174		12
424	Co ₃ O ₄ /porous electrospun carbon nanofibers as anodes for high performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16939-16944	13	102
423	Porous peony-like Fe ₂ O ₃ hierarchical micro/nanostructures: synthesis, characterization and its lithium storage properties. <i>RSC Advances</i> , 2014 , 4, 41578-41583	3.7	10
422	Seed-assisted synthesis of Co ₃ O ₄ @Fe ₂ O ₃ core-shell nanoneedle arrays for lithium-ion battery anode with high capacity. <i>RSC Advances</i> , 2014 , 4, 13241	3.7	39
421	Synthesis of cobalt oxide-reduced graphene nanocomposite and its enhanced electrochemical properties as negative material for alkaline secondary battery. <i>Journal of Power Sources</i> , 2014 , 272, 328-334	8.9	10
420	Uniform Bi ₂ S ₃ nanorods-assembled hollow spheres with excellent electrochemical hydrogen storage abilities. 2014 , 39, 356-365		28
419	High lithium storage capacity and rate capability achieved by mesoporous Co ₃ O ₄ hierarchical nanobundles. <i>Journal of Power Sources</i> , 2014 , 247, 49-56	8.9	121
418	Porous Co ₃ O ₄ nanorods as anode for lithium-ion battery with excellent electrochemical performance. 2014 , 213, 193-197		23
417	One-step synthesis of ZnO@C nanospheres and their enhanced performance for lithium-ion batteries. 2014 , 119, 16-19		40
416	Controllable synthesis Co ₃ O ₄ nanorods and nanobelts and their excellent lithium storage performance. 2014 , 32, 88-93		25
415	Micro/nano-structure Co ₃ O ₄ as high capacity anode materials for lithium-ion batteries and the effect of the void volume on electrochemical performance. <i>Journal of Power Sources</i> , 2014 , 248, 289-295	8.9	51
414	Yolk-shell ZnO-C microspheres with enhanced electrochemical performance as anode material for lithium ion batteries. 2014 , 125, 659-665		125

413	Hierarchical construction of core-shell metal oxide nanoarrays with ultrahigh areal capacitance. 2014 , 7, 170-178		102
412	Preparation and catalytic performance of the Co ₃ O ₄ /AAO composite. 2014 , 115, 222-225		2
411	Sol-gel synthesis of mesoporous Co ₃ O ₄ octahedra toward high-performance anodes for lithium-ion batteries. 2014 , 129, 410-415		56
410	Cobalt oxide nanoparticles anchored to multiwalled carbon nanotubes: Synthesis and application for enhanced electrocatalytic reaction and highly sensitive nonenzymatic detection of hydrogen peroxide. 2014 , 123, 518-526		89
409	Hollow nanospheres constructed by CoS ₂ nanosheets with a nitrogen-doped-carbon coating for energy-storage and photocatalysis. 2014 , 7, 2212-20		84
408	Fe ₂ O ₃ multi-shelled hollow microspheres for lithium ion battery anodes with superior capacity and charge retention. 2014 , 7, 632-637		582
407	Porous nano-structured Co ₃ O ₄ anode materials generated from coordination-driven self-assembled aggregates for advanced lithium ion batteries. <i>Nanoscale</i> , 2014 , 6, 9689-94	7.7	76
406	Self-assemble ZnMn ₂ O ₄ hierarchical hollow microspheres into self-supporting architecture for enhanced biosensing performance. 2014 , 61, 443-7		17
405	Design and Preparation of a Lithium-rich Layered Oxide Cathode with a Mg-Concentration-Gradient Shell for Improved Rate Capability. 2015 , 2, 1346-1354		15
404	Hierarchical Transition-Metal Dichalcogenide Nanosheets for Enhanced Electrocatalytic Hydrogen Evolution. 2015 , 27, 7426-31		113
403	Controllable Synthesis of Mesoporous Peapod-like Co ₃ O ₄ @Carbon Nanotube Arrays for High-Performance Lithium-Ion Batteries. 2015 , 127, 7166-7170		39
402	Formation of Yolk-Shelled NiCo Mixed Oxide Nanoprisms with Enhanced Electrochemical Performance for Hybrid Supercapacitors and Lithium Ion Batteries. 2015 , 5, 1500981		258
401	The controlled synthesis and improved electrochemical cyclability of Mn-doped Fe ₂ O ₃ hollow porous quadrangular prisms as lithium-ion battery anodes. <i>RSC Advances</i> , 2015 , 5, 7604-7610	3.7	13
400	Phase-pure NiMoO ₄ yolk-shell spheres for high-performance anode materials in lithium-ion batteries. 2015 , 174, 102-110		46
399	Fabrication of electrospun ZnMn ₂ O ₄ nanofibers as anode material for lithium-ion batteries. 2015 , 177, 283-289		36
398	Template-free synthesis of hierarchical porous Co ₃ O ₄ microspheres and their application for electrochemical energy storage. 2015 , 173, 385-392		36
397	Facile fabrication of various zinc-nickel citrate microspheres and their transformation to ZnO-NiO hybrid microspheres with excellent lithium storage properties. 2015 , 5, 8351		38
396	Self-templating Scheme for the Synthesis of Nanostructured Transition-Metal Chalcogenide Electrodes for Capacitive Energy Storage. 2015 , 27, 4661-4668		103

395	Stabilising a Mn ₃ O ₄ nanosheet on graphene via forming a 2D/2D nanostructure for improvement of lithium storage. <i>RSC Advances</i> , 2015 , 5, 106206-106212	3.7	10
394	Self-supported yolk-shell nanocolloids towards high capacitance and excellent cycling performance. 2015 , 18, 273-282		48
393	Synthesis of hollow cobalt oxide nanopowders by a salt-assisted spray pyrolysis process applying nanoscale Kirkendall diffusion and their electrochemical properties. 2015 , 17, 31988-94		9
392	Preparation of core-shell porous magnetite@carbon nanospheres through chemical vapor deposition as anode materials for lithium-ion batteries. 2015 , 154, 136-141		23
391	Construction of Co ₃ O ₄ nanotubes as high-performance anode material for lithium ion batteries. 2015 , 160, 15-21		103
390	Metal organic frameworks route to in situ insertion of multiwalled carbon nanotubes in Co ₃ O ₄ polyhedra as anode materials for lithium-ion batteries. 2015 , 9, 1592-9		410
389	Growth of Ultrathin ZnCoO Nanosheets on Reduced Graphene Oxide with Enhanced Lithium Storage Properties. 2015 , 2, 1400014		138
388	Mesoporous nanostructured Co ₃ O ₄ derived from MOF template: a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5585-5591	13	210
387	Self-assembly synthesis and electrochemical performance of Li _{1.5} Mn _{0.75} Ni _{0.15} Co _{0.10} O ₂ + δ microspheres with multilayer shells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3120-3129	13	33
386	Template-free synthesis of hollow-structured Co ₃ O ₄ nanoparticles as high-performance anodes for lithium-ion batteries. 2015 , 9, 1775-81		250
385	The S-hindered synthesis of PbSe/PbS nanosheets with enhanced electrochemical activities. 2015 , 39, 3513-3519		3
384	Open mesoporous spherical shell structured Co ₃ O ₄ with highly efficient catalytic performance in LiO ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7600-7606	13	35
383	Designed synthesis of cobalt-oxide-based nanomaterials for superior electrochemical energy storage devices. 2015 , 8, 321-339		58
382	Nanoporous networks as caging supports for uniform, surfactant-free Co ₃ O ₄ nanocrystals and their applications in energy storage and conversion. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15489-15497	13	15
381	Hollow nanospheres composed of titanium dioxide nanocrystals modified with carbon and gold for high performance lithium ion batteries. <i>Journal of Power Sources</i> , 2015 , 294, 465-472	8.9	24
380	Synthesis of mesoporous NiCo ₂ O ₄ @GO by a solvothermal method for charge storage applications. <i>RSC Advances</i> , 2015 , 5, 66657-66666	3.7	102
379	The preparation of flowerlike ZnMn ₂ O ₄ microspheres assembled with porous nanosheets and their lithium battery performance as anode materials. <i>RSC Advances</i> , 2015 , 5, 70379-70386	3.7	25
378	One-dimensional porous nanofibers of Co ₃ O ₄ on the carbon matrix from human hair with superior lithium ion storage performance. 2015 , 5, 12382		60

377	Bottom-up-then-up-down Route for Multi-level Construction of Hierarchical Bi ₂ S ₃ Superstructures with Magnetism Alteration. 2015 , 5, 10599		15
376	Nanosheet-assembled ZnFe ₂ O ₄ hollow microspheres for high-sensitive acetone sensor. 2015 , 7, 15414-21		197
375	Rattle-type NiCo ₂ O ₄ /Carbon composite microspheres as electrode materials for high-performance supercapacitors. 2015 , 39, 7495-7502		12
374	Constructing the optimal conductive network in MnO-based nanohybrids as high-rate and long-life anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19738-19746	13	121
373	Ultrafast sodium storage in anatase TiO ₂ nanoparticles embedded on carbon nanotubes. 2015 , 16, 218-226		112
372	An electrochemical exploration of hollow NiCo ₂ O ₄ submicrospheres and its capacitive performances. <i>Journal of Power Sources</i> , 2015 , 287, 307-315	8.9	65
371	Controllable Synthesis of Mesoporous Peapod-like Co ₃ O ₄ @Carbon Nanotube Arrays for High-Performance Lithium-Ion Batteries. 2015 , 54, 7060-4		318
370	Nanosheets of earth-abundant jarosite as novel anodes for high-rate and long-life lithium-ion batteries. 2015 , 7, 10518-24		14
369	Facile synthesis of three-dimensional hierarchical Co ₃ O ₄ peony-like microspheres and their lithium storage performance. 2015 , 83, 538-548		9
368	A versatile solution-phase, precursor route to surface-mazelike hierarchical structures. 2015 , 58, 620-626		
367	Templated fabrication of hollow nanospheres with 'windows' of accurate size and tunable number. <i>Nanoscale Research Letters</i> , 2015 , 10, 153	5	4
366	Hierarchically Porous NaCoPO ₄ /Co ₃ O ₄ Hollow Microspheres for Flexible Asymmetric Solid-State Supercapacitors. 2015 , 32, 831-839		39
365	Hierarchical micro-architectures of electrodes for energy storage. <i>Journal of Power Sources</i> , 2015 , 284, 435-445	8.9	65
364	In situ precipitation preparation of ZnO hollow spheres and their photocatalysis and gas-sensing properties. 2015 , 119, 1179-1185		8
363	Co ₃ O ₄ @Reduced Graphene Oxide Nanoribbon for high performance Asymmetric Supercapacitor. 2015 , 169, 276-282		55
362	Design and Synthesis of Bubble-Nanorod-Structured Fe ₂ O ₃ -Carbon Nanofibers as Advanced Anode Material for Li-Ion Batteries. 2015 , 9, 4026-35		376
361	Controllable fabrication and magnetic properties of double-shell cobalt oxides hollow particles. 2015 , 5, 8737		23
360	A facile approach to the fabrication of rattle-type magnetic carbon nanospheres for removal of methylene blue in water. 2015 , 89, 378-391		66

359	3D Hierarchical Mesoporous Flowerlike Cobalt Oxide Nanomaterials: Controllable Synthesis and Electrochemical Properties. 2015 , 119, 8537-8546		41
358	Facile synthesis of electrospun MFe ₂ O ₄ (M = Co, Ni, Cu, Mn) spinel nanofibers with excellent electrocatalytic properties for oxygen evolution and hydrogen peroxide reduction. <i>Nanoscale</i> , 2015 , 7, 8920-30	7.7	329
357	Carbon-coated Fe ₂ O ₃ nanostructures for efficient anode of Li-ion battery. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5183-5188	13	56
356	Hierarchical MnO Hollow Microspheres as Anode Material of Lithium Ion Battery and Its Conversion Reaction Mechanism Investigated by XANES. 2015 , 7, 8488-94		100
355	Sea cucumber-like Ti@MoO ₃ nanorod arrays as self-supported lithium ion battery anodes with enhanced rate capability and durability. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22547-22551	13	10
354	Poly-assisted template-free synthesis of novel double-shelled Co ₃ O ₄ yolk-shell submicrospheres with excellent electrochemical properties. <i>RSC Advances</i> , 2015 , 5, 85964-85968	3.7	2
353	Architecture-controlled synthesis of M _x O _y (M = Ni, Fe, Cu) microfibrils from seaweed biomass for high-performance lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22708-22715	13	62
352	Novel cobalt oxide-nanobubble-decorated reduced graphene oxide sphere with superior electrochemical properties prepared by nanoscale Kirkendall diffusion process. 2015 , 17, 17-26		67
351	Yolk/shell nanoparticles: classifications, synthesis, properties, and applications. <i>Nanoscale</i> , 2015 , 7, 19789-873	7.7	214
350	Synthesis and electrochemical properties of spherical and hollow-structured NiO aggregates created by combining the Kirkendall effect and Ostwald ripening. <i>Nanoscale</i> , 2015 , 7, 19620-6	7.7	59
349	A novel shuttle-like Fe ₃ O ₄ @Co ₃ O ₄ self-assembling architecture with highly reversible lithium storage. <i>RSC Advances</i> , 2015 , 5, 70527-70535	3.7	5
348	Highly sensitive H ₂ O ₂ sensor based on Co ₃ O ₄ hollow sphere prepared via a template-free method. 2015 , 182, 613-620		60
347	Facile preparation and performance of hierarchical self-assembly MnCo ₂ O ₄ nanoflakes as anode active material for lithium ion batteries. 2015 , 180, 866-872		37
346	Hollow Fluffy Co ₃ O ₄ Cages as Efficient Electroactive Materials for Supercapacitors and Oxygen Evolution Reaction. 2015 , 7, 20322-31		129
345	Unique synthesis of hollow Co ₃ O ₄ nanoparticles embedded in thin Al ₂ O ₃ nanosheets for enhanced lithium storage. <i>Nanoscale</i> , 2015 , 7, 15983-9	7.7	18
344	Temperature effects on a nano-porous ZnCo ₂ O ₄ anode with excellent capability for Li-ion batteries. <i>RSC Advances</i> , 2015 , 5, 75838-75845	3.7	13
343	High-quality elliptical iron glycolate nanosheets: selective synthesis and chemical conversion into Fe _x O _y nanorings, porous nanosheets, and nanochains with enhanced visible-light photocatalytic activity. <i>Nanoscale</i> , 2015 , 7, 16493-503	7.7	44
342	Facile preparation of N- and O-doped hollow carbon spheres derived from poly(o-phenylenediamine) for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3409-3415	13	196

341	Topochemical transformation of Co(II) coordination polymers to Co ₃ O ₄ nanoplates for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2251-2257	13	49
340	Rapid and up-scalable fabrication of free-standing metal oxide nanosheets for high-performance lithium storage. 2015 , 11, 2011-8		44
339	From solid-state metal alkoxides to nanostructured oxides: a precursor-directed synthetic route to functional inorganic nanomaterials. 2015 , 2, 198-212		42
338	Uniform MoO ₂ @carbon hollow nanospheres with superior lithium-ion storage properties. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 968-972	13	53
337	Template-assisted synthesis of multi-shelled carbon hollow spheres with an ultralarge pore volume as anode materials in Li-ion batteries. <i>RSC Advances</i> , 2015 , 5, 3657-3664	3.7	30
336	Facile Synthesis of Porous ZnMnO ₃ Spherulites with a High Lithium Storage Capability. 2015 , 151, 56-62		27
335	Self-assembly of Fe ₂ O ₃ /reduced graphene oxide hydrogel for high Li-storage. 2015 , 62, 19-23		24
334	Self-assembly of 2D sandwich-structured MnFe ₂ O ₄ /graphene composites for high-performance lithium storage. 2015 , 61, 369-374		25
333	Facile fabrication of multishelled Cr ₂ O ₃ hollow microspheres with enhanced gas sensitivity. 2015 , 140, 158-161		15
332	One-pot synthesis of porous nickel cobalt sulphides: tuning the composition for superior pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 428-437	13	269
331	Controllable interior structure of ZnCo ₂ O ₄ microspheres for high-performance lithium-ion batteries. 2015 , 11, 64-70		107
330	Ultrathin nickel oxide nanosheets for enhanced sodium and lithium storage. <i>Journal of Power Sources</i> , 2015 , 274, 755-761	8.9	104
329	Electrochemical properties of yolk-shell structured ZnFe ₂ O ₄ powders prepared by a simple spray drying process as anode material for lithium-ion battery. 2014 , 4, 5857		75
328	Mesoporous MFe ₂ O ₄ (M = Mn, Co, and Ni) for anode materials of lithium-ion batteries: Synthesis and electrochemical properties. 2015 , 61, 195-200		18
327	Highly Ordered Dual Porosity Mesoporous Cobalt Oxide for Sodium-Ion Batteries. 2016 , 3, 1500464		54
326	Hermetically Coated and Well-Separated Co ₃ O ₄ Nanophase within Porous Graphitic Carbon Nanosheets: Synthesis, Confinement Effect, and Improved Lithium-Storage Capacity and Durability. 2016 , 22, 9599-606		9
325	Synthesis of mesoporous TiO ₂ @C@MnO ₂ multi-shelled hollow nanospheres with high rate capability and stability for lithium-ion batteries. <i>RSC Advances</i> , 2016 , 6, 65243-65251	3.7	12
324	Multi-shelled MgCo ₂ O ₄ hollow microspheres as anodes for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12263-12272	13	47

323	Surfactant-Assisted Nanocrystalline Zinc Coordination Polymers: Controlled Particle Sizes and Synergistic Effects in Catalysis. 2016 , 22, 6389-96		30
322	Template-Based Engineering of Carbon-Doped Co ₃ O ₄ Hollow Nanofibers as Anode Materials for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 1428-1436	15.6	342
321	Synthesis of nanoparticles-assembled Co ₃ O ₄ microspheres as anodes for Li-ion batteries by spray pyrolysis of CoCl ₂ solution. 2016 , 209, 456-463		33
320	Improved microwave absorption properties of TiO ₂ and Ni _{0.53} Cu _{0.12} Zn _{0.35} Fe ₂ O ₄ nanocomposites potential for microwave devices. 2016 , 681, 499-507		33
319	Diffusion induced concave Co ₃ O ₄ @CoFe ₂ O ₄ hollow heterostructures for high performance lithium ion battery anode. 2016 , 4, 145-153		35
318	High precision NH ₃ sensing using network nano-sheet Co ₃ O ₄ arrays based sensor at room temperature. 2016 , 235, 222-231		90
317	Hybrid two-dimensional materials in rechargeable battery applications and their microscopic mechanisms. 2016 , 45, 4042-73		157
316	Hierarchically Porous CuCo ₂ O ₄ Microflowers: a Superior Anode Material for Li-ion Batteries and a Stable Cathode Electrocatalyst for Li-O ₂ Batteries. 2016 , 208, 148-155		39
315	General Polyethyleneimine-Mediated Synthesis of Ultrathin Hexagonal Co ₃ O ₄ Nanosheets with Reactive Facets for Lithium-Ion Batteries. 2016 , 3, 55-65		34
314	Porous Mn ₂ O ₃ microcubes with exposed {001} facets as electrode for lithium ion batteries. 2016 , 40, 6030-6035		7
313	Facile fabrication of Co ₃ O ₄ /nitrogen-doped graphene hybrid materials as high performance anode materials for lithium ion batteries. 2016 , 18, 3383-3388		18
312	Synthesis, Properties, and Applications of Hollow Micro-/Nanostructures. 2016 , 116, 10983-1060		996
311	Optimal hydrothermal synthesis of hierarchical porous ZnMn ₂ O ₄ microspheres with more porous core for improved lithium storage performance. 2016 , 207, 58-65		20
310	Engineering Hierarchical Hollow Nickel Sulfide Spheres for High-Performance Sodium Storage. <i>Advanced Functional Materials</i> , 2016 , 26, 7479-7485	15.6	142
309	Mitigating voltage and capacity fading of lithium-rich layered cathodes by lanthanum doping. <i>Journal of Power Sources</i> , 2016 , 335, 65-75	8.9	67
308	Nanostructured Co(II)-based MOFs as promising anodes for advanced lithium storage. 2016 , 40, 9238-9244		43
307	Template-Free Synthesis of Nanorod-Assembled Hierarchical Zn Mn S Hollow Nanostructures with Enhanced Pseudocapacitive Properties. 2016 , 22, 18859-18864		7
306	Hollow Nano- and Microstructures as Catalysts. 2016 , 116, 14056-14119		503

305	Homocoupling Reaction of Aryl Halides Catalyzed by Metal Cations in Isostructural Coordination Polymers. 2016 , 16, 4926-4933	12
304	Reconstruction of Mini-Hollow Polyhedron MnO Derived from MOFs as a High-Performance Lithium Anode Material. 2016 , 3, 1500185	70
303	Electrochemical properties of micron-sized Co ₃ O ₄ hollow powders consisting of size controlled hollow nanospheres. 2016 , 689, 554-563	16
302	Controllable fabrication of urchin-like CoO hollow spheres for high-performance supercapacitors and lithium-ion batteries. 2016 , 45, 15155-15161	37
301	A bubble-template approach for assembling Ni-Co oxide hollow microspheres with an enhanced electrochemical performance as an anode for lithium ion batteries. 2016 , 18, 25879-86	32
300	Honeycomb-Spherical Co ₃ O ₄ -TiO ₂ Hybrid Materials for Enhanced Lithium Storage. 2016 , 222, 1642-1649	14
299	Dual-template synthesis of novel pomegranate-like hollow carbon nanoparticles with improved electrochemical performance for Li-ion batteries. 2016 , 110, 180-188	13
298	Preparation of Shape-Controlled Graphene/Co ₃ O ₄ Composites for Supercapacitors. 2016 , 25, 3845-3851	9
297	Fabrication of cubic spinel MnCo ₂ O ₄ nanoparticles embedded in graphene sheets with their improved lithium-ion and sodium-ion storage properties. <i>Journal of Power Sources</i> , 2016 , 326, 252-263	8.9 47
296	Hierarchical hollow microflowers constructed from mesoporous single crystalline CoMn ₂ O ₄ nanosheets for high performance anode of lithium ion battery. <i>Journal of Power Sources</i> , 2016 , 326, 505-513	8.9 43
295	Advanced High Energy Density Secondary Batteries with Multi-Electron Reaction Materials. 2016 , 3, 1600051	141
294	Micro-/nano-structured hybrid of exfoliated graphite and Co ₃ O ₄ nanoparticles as high-performance anode material for Li-ion batteries. 2016 , 213, 98-106	25
293	Self-Templated Synthesis of Ultrathin Nanosheets Constructed TiO Hollow Spheres with High Electrochemical Properties. 2016 , 3, 1600162	26
292	In-situ growth of ZnMn ₂ O ₄ self-supporting micro-polyhedrons for enhanced electrochemical biosensing performance. 2016 , 42, 16349-16353	5
291	Systematic shape evolution of Co ₃ O ₄ nanocrystals from octahedra to spheres under the influence of C ₂ O ₄ ²⁻ and PVP. 2016 , 18, 9299-9306	10
290	Highly sensitive determination of atropine using cobalt oxide nanostructures: Influence of functional groups on the signal sensitivity. 2016 , 948, 30-39	12
289	Unique 1D Co ₃ O ₄ crystallized nanofibers with (220) oriented facets as high-performance lithium ion battery anode material. 2016 , 6, 26460	31
288	Applying Nanoscale Kirkendall Diffusion for Template-Free, Kilogram-Scale Production of SnO ₂ Hollow Nanospheres via Spray Drying System. 2016 , 6, 23915	29

- 287 Engineering of multi-shelled SnO₂ hollow microspheres for highly stable lithium-ion batteries. *Journal of Materials Chemistry A*, **2016**, 4, 17673-17677 13 108
- 286 Mesoporous Ni-doped MnCo₂O₄ hollow nanotubes as an anode material for sodium ion batteries with ultralong life and pseudocapacitive mechanism. *Journal of Materials Chemistry A*, **2016**, 4, 18392-18400 13 53
- 285 Conversion Reaction-Based Oxide Nanomaterials for Lithium Ion Battery Anodes. **2016**, 12, 2146-72 310
- 284 Influence of Microwave Irradiation on the Structural Properties of Carbon-Supported Hollow Copper Nanoparticles and Their Effect on the Synthesis of Dimethyl Carbonate. **2016**, 8, 861-871 21
- 283 Nanoporous Co₃O₄ plates as highly electroactive materials for electrochemical energy storage. **2016**, 180, 207-211 16
- 282 A novel anode comprised of C&N co-doped Co₃O₄ hollow nanofibres with excellent performance for lithium-ion batteries. **2016**, 18, 19531-5 23
- 281 Self-assembly in the synthesis of shelled ZnO hollow spheres and their UV sensors performance. **2016**, 182, 10-14 11
- 280 Synthesis of Mesoporous Single Crystal Co(OH)₂ Nanoplate and Its Topotactic Conversion to Dual-Pore Mesoporous Single Crystal Co₃O₄. **2016**, 8, 15582-90 30
- 279 Synthesis of hollow porous ZnCo₂O₄ microspheres as high-performance oxygen reduction reaction electrocatalyst. **2016**, 41, 13024-13031 22
- 278 2D Transition Metal Oxides/Hydroxides for Energy-Storage Applications. **2016**, 2, 562-577 79
- 277 Bi-functional Au/FeS (Au/Co₃O₄) composite for in situ SERS monitoring and degradation of organic pollutants. **2016**, 18, 1 14
- 276 Self-assembly of TATB 3D architectures via micro-channel crystallization and a formation mechanism. **2016**, 18, 1953-1957 12
- 275 Bimetallic coordination polymer as a promising anode material for lithium-ion batteries. **2016**, 52, 2035-8 57
- 274 Effect of magnesium doping on properties of lithium-rich layered oxide cathodes based on a one-step co-precipitation strategy. *Journal of Materials Chemistry A*, **2016**, 4, 4941-4951 13 82
- 273 Convenient and high-yielding strategy for preparing nano-ZnMn₂O₄ as anode material in lithium-ion batteries. **2016**, 198, 84-90 33
- 272 High-performance nickel cobalt sulfide materials via low-cost preparation for advanced asymmetric supercapacitors. *RSC Advances*, **2016**, 6, 42633-42642 3-7 23
- 271 Non-hydrothermal synthesis of (NH₄)₂V₃O₈ hierarchical flowers and their conversion into V₂O₅ for lithium ion battery. **2016**, 171, 5-9 6
- 270 Cumulative effect of Fe₂O₃ on TiO₂ nanotubes via atomic layer deposition with enhanced lithium ion storage performance. **2016**, 369, 314-319 17

269	High-rate and long-life of Li-ion batteries using reduced graphene oxide/Co ₃ O ₄ as anode materials. <i>RSC Advances</i> , 2016 , 6, 24320-24330	3.7	18
268	Ultrahigh cycling stability and rate capability of ZnFe ₂ O ₄ @graphene hybrid anode prepared through a facile syn-graphenization strategy. 2016 , 40, 3139-3146		14
267	Fabrication of hollow spheres of Co ₃ O ₄ for catalytic oxidation of carbon monoxide. 2016 , 663, 68-76		14
266	Fibrous-Root-Inspired Design and Lithium Storage Applications of a Co-Zn Binary Synergistic Nanoarray System. 2016 , 10, 2500-8		36
265	Sn ²⁺ Ion Decorated Highly Conductive Ti ₃ C ₂ MXene: Promising Lithium-Ion Anodes with Enhanced Volumetric Capacity and Cyclic Performance. 2016 , 10, 2491-9		484
264	Graphene frameworks supported cobalt oxide with tunable morphologies for enhanced lithium storage behaviors. <i>Journal of Materials Science</i> , 2016 , 51, 4856-4863	4.3	4
263	Size-controllable synthesis of amorphous GeO _x hollow spheres and their lithium-storage electrochemical properties. <i>RSC Advances</i> , 2016 , 6, 15952-15959	3.7	13
262	Porous cubes constructed by cobalt oxide nanocrystals with graphene sheet coatings for enhanced lithium storage properties. <i>Nanoscale</i> , 2016 , 8, 7688-94	7.7	46
261	Strategy for yolk-shell structured metal oxide-carbon composite powders and their electrochemical properties for lithium-ion batteries. 2016 , 100, 137-144		33
260	Facile Synthesis of Mesoporous Co ₃ O ₄ /Carbon Nanowires Array Nanocomposite for the Enhanced Lithium Storage. 2016 , 190, 126-133		21
259	Porous Iron Cobaltate Nanoneedles Array on Nickel Foam as Anode Materials for Lithium-Ion Batteries with Enhanced Electrochemical Performance. 2016 , 8, 1351-9		64
258	Core-shell Co ₃ O ₄ /ZnCo ₂ O ₄ coconut-like hollow spheres with extremely high performance as anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 425-433	13	84
257	Metal Organic Frameworks Derived Hierarchical Hollow NiO/Ni/Graphene Composites for Lithium and Sodium Storage. 2016 , 10, 377-86		431
256	Preparation, ferromagnetic and photocatalytic performance of NiO and hollow Co ₃ O ₄ fibers through centrifugal-spinning technique. 2016 , 74, 319-324		12
255	Synthesis of Nano-CuCo ₂ O ₄ with High Electrochemical Performance as Anode Material in Lithium-Ion Batteries. 2016 , 45, 553-556		14
254	UV-assisted, template-free synthesis of ultrathin nanosheet-assembled hollow indium oxide microstructures for effective gaseous formaldehyde detection. 2016 , 224, 559-567		12
253	Solution-phase synthesis of transition metal oxide nanocrystals: Morphologies, formulae, and mechanisms. 2017 , 244, 199-266		58
252	Enhanced Lithium Storage Capability in Li-Ion Batteries Using Porous 3D Co ₃ O ₄ Nanofiber Anodes. 2017 , 56, 2046-2053		30

251	General synthesis of metal oxide hollow core-shell microspheres as anode materials for lithium-ion batteries and as adsorbents for wastewater treatment. 2017 , 19, 1311-1319	8
250	Ultrathin-Nanosheet-Induced Synthesis of 3D Transition Metal Oxides Networks for Lithium Ion Battery Anodes. <i>Advanced Functional Materials</i> , 2017 , 27, 1605017	15.6 249
249	Urchin-like CoO ₂ micro/nano hierarchical structures as high performance anode materials for Li-ion batteries. <i>RSC Advances</i> , 2017 , 7, 2637-2643	3.7 13
248	Complex Hollow Nanostructures: Synthesis and Energy-Related Applications. 2017 , 29, 1604563	529
247	Ti-doped Fe ₁ Ti ₃ F ₁₀ .33H ₂ O/C nanocomposite as an ultrahigh rate capability cathode materials of lithium ion batteries. 2017 , 702, 372-380	20
246	Single-crystalline porous nanosheets assembled hierarchical Co ₃ O ₄ microspheres for enhanced gas-sensing properties to trace xylene. 2017 , 246, 68-77	42
245	Sintering-Resistant Nanoparticles in Wide-Mouthed Compartments for Sustained Catalytic Performance. 2017 , 7, 41773	37
244	A binary metal organic framework derived hierarchical hollow Ni ₃ S ₂ /Co ₉ S ₈ /N-doped carbon composite with superior sodium storage performance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 11781-11787	13 89
243	Multishelled Ni Co O Hollow Microspheres Derived from Bimetal-Organic Frameworks as Anode Materials for High-Performance Lithium-Ion Batteries. 2017 , 13, 1604270	95
242	Intricate Hollow Structures: Controlled Synthesis and Applications in Energy Storage and Conversion. 2017 , 29, 1602914	424
241	Mechanochemically induced transformation of CoO(OH) into Co ₃ O ₄ nanoparticles and their highly reversible Li storage characteristics. <i>RSC Advances</i> , 2017 , 7, 10618-10623	3.7 6
240	Microwave-Assisted Synthesis of Co ₃ O ₄ Sheets for Reversible Li Storage: Regulation of Structure and Performance. 2017 , 4, 1236-1242	19
239	Carbon-Coated Honeycomb Ni-Mn-Co-O Inverse Opal: A High Capacity Ternary Transition Metal Oxide Anode for Li-ion Batteries. 2017 , 7, 42263	38
238	Nano-particle assembled porous core-shell ZnMnO microspheres with superb performance for lithium batteries. <i>Nanotechnology</i> , 2017 , 28, 105403	3.4 17
237	Mesoporous MnO/reduced graphene oxide (rGO) composite with enhanced electrochemical performance for Li-ion battery. 2017 , 46, 9777-9783	16
236	Microwave-assisted Synthesis and Its Reversible Li-storage Properties of Porous Sheet-like Co ₃ O ₄ . 2017 , 64, 539-546	3
235	Formation of Double-Shelled Zinc-Cobalt Sulfide Dodecahedral Cages from Bimetallic Zeolitic Imidazolate Frameworks for Hybrid Supercapacitors. 2017 , 129, 7247-7251	55
234	Formation of Double-Shelled Zinc-Cobalt Sulfide Dodecahedral Cages from Bimetallic Zeolitic Imidazolate Frameworks for Hybrid Supercapacitors. 2017 , 56, 7141-7145	326

233	A substrate-independent fabrication of hollow sphere arrays via template-assisted hydrothermal approach and their application in gas sensing. 2017 , 251, 74-85	14
232	Effects of calcination temperature for rate capability of triple-shelled ZnFeO hollow microspheres for lithium ion battery anodes. 2017 , 7, 46378	23
231	Micro- and Nano-Structured Vanadium Pentoxide (V ₂ O ₅) for Electrodes of Lithium-Ion Batteries. 2017 , 7, 1602545	202
230	Tunable construction of multi-shell hollow SiO ₂ microspheres with hierarchically porous structure as high-performance anodes for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2017 , 323, 252-259	14.7 50
229	Electrochemical In Situ Formation of a Stable Ti-Based Skeleton for Improved Li-Storage Properties: A Case Study of Porous CoTiO Nanofibers. 2017 , 23, 8712-8718	11
228	Tunable Co ₃ O ₄ hollow structures (from yolk-shell to multi-shell) and their Li storage properties. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12757-12761	13 32
227	Co ₃ O ₄ microtubules derived from a biotemplated method for improved lithium storage performance. 2017 , 43, 9235-9240	26
226	Porous Co ₃ O ₄ @TiO ₂ core-shell nanofibers as advanced anodes for lithium ion batteries. 2017 , 723, 129-138	38
225	Microwave-assisted citric acid aided synthesis and electrochemical performance of nanosized Co ₃ O ₄ . 2017 , 245, 88-98	12
224	Precisely controlled encapsulation of Fe ₃ O ₄ nanoparticles in mesoporous carbon nanodisk using iron based MOF precursor for effective dye removal. 2017 , 251, 58-68	46
223	Two-Dimensional Holey CoO Nanosheets for High-Rate Alkali-Ion Batteries: From Rational Synthesis to in Situ Probing. 2017 , 17, 3907-3913	134
222	Lithium Ion Breathable Electrodes with 3D Hierarchical Architecture for Ultrastable and High-Capacity Lithium Storage. <i>Advanced Functional Materials</i> , 2017 , 27, 1700447	15.6 74
221	Morphology-Conserved Transformations of Metal-Based Precursors to Hierarchically Porous Micro-/Nanostructures for Electrochemical Energy Conversion and Storage. 2017 , 29, 1607015	66
220	Multi-metallic Hydrate Hollow Structures in Cobalt Hydrate Based Systems. 2017 , 17, 1568-1573	1
219	Fe ₂ O ₃ @CNTs Anode Materials for Lithium Ion Batteries Investigated by Electron Energy Loss Spectroscopy. 2017 , 29, 3499-3506	53
218	T-NbO quantum dots prepared by electrodeposition for fast Li ion intercalation/deintercalation. <i>Nanotechnology</i> , 2017 , 28, 215401	3.4 9
217	Facile synthesis of NiS hierarchical hollow cubes via Ni formate frameworks for high performance supercapacitors. <i>Chemical Engineering Journal</i> , 2017 , 320, 22-28	14.7 98
216	Facile Self-Assembly Route to Co ₃ O ₄ Nanoparticles Confined into Single-Walled Carbon Nanotube Matrix for Highly Reversible Lithium Storage. 2017 , 235, 613-622	27

215	Multi-shelled hollow micro-/nanostructures: promising platforms for lithium-ion batteries. 2017 , 1, 414-430	157
214	Low-temperature synthesis of two-dimensional nanostructured Co ₃ O ₄ and improved electrochemical properties for lithium-ion batteries. 2017 , 309, 22-30	15
213	Metal-Organic Framework-Derived NiSb Alloy Embedded in Carbon Hollow Spheres as Superior Lithium-Ion Battery Anodes. 2017 , 9, 2516-2525	95
212	Hydrothermal Synthesis of ZnWO ₄ Hierarchical Hexangular Microstars for Enhanced Lithium-Storage Properties. 2017 , 2017, 734-740	17
211	Self-assembled CoO hexagonal plates by solvent engineering and their dramatically enhanced electrochemical performance. <i>Nanoscale</i> , 2017 , 9, 940-946	7.7 10
210	A surface-reactive high-modulus binder for the reversible conversion reaction of nanoparticulate cobalt oxide. 2017 , 225, 78-85	3
209	Revealing the Conversion Mechanism of Transition Metal Oxide Electrodes during Lithiation from First-Principles. 2017 , 29, 9011-9022	46
208	Synthesis of Co ₃ O ₄ nanocubes/CNTs composite with enhanced sodium storage performance. 2017 , 312, 32-37	20
207	Few Atomic Layered Lithium Cathode Materials to Achieve Ultrahigh Rate Capability in Lithium-Ion Batteries. 2017 , 29, 1700605	29
206	Facile synthesis of mesoporous Co ₃ O ₄ nanowires for application in supercapacitors. 2017 , 28, 16826-16835	11
205	Yolk@Shell or Concave Cubic NiO-CoO@C Nanocomposites Derived from Metal-Organic Frameworks for Advanced Lithium-Ion Battery Anodes. 2017 , 56, 9794-9801	40
204	Co ₃ O ₄ Nanosheets with In-Plane Pores and Highly Active {112} Exposed Facets for High Performance Lithium Storage. 2017 , 121, 19002-19009	24
203	A novel synthesis protocol for Co ₃ O ₄ nanocatalysts and their catalytic applications. <i>RSC Advances</i> , 2017 , 7, 38861-38870	3.7 57
202	In Situ Self-Assembly-Generated 3D Hierarchical CoO Micro/Nanomaterial Series: Selective Synthesis, Morphological Control, and Energy Applications. 2017 , 9, 44199-44213	12
201	Acetylsalicylic acid assisted hydrothermal growth of NiO, CuO and Co ₃ O ₄ nanostructures and their application in the electro-catalytic determination of nalbuphine hydrochloride. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 807, 137-144	4.1 5
200	Sacrificial Template Strategy toward a Hollow LiNiCoMnO Nanosphere Cathode for Advanced Lithium-Ion Batteries. 2017 , 2, 7593-7599	11
199	Enhanced gas sensing by amorphous double-shell Fe ₂ O ₃ hollow nanospheres functionalized with PdO nanoparticles. 2017 , 252, 322-329	28
198	Hierarchical Mn ₃ O ₄ Microplates Composed of Stacking Porous Nanosheets for High-Performance Lithium Storage. 2017 , 4, 2703-2708	7

- 197 Rambutan-like hierarchically heterostructured CeO₂-CuO hollow microspheres: Facile hydrothermal synthesis and applications. **2017**, 10, 381-396 22
- 196 Nanocomposite of ultrasmall Co₃O₄ nanoparticles deposited on ultrathin MoS₂ surfaces for excellent performance anode materials in lithium ion batteries. *Chemical Engineering Journal*, **2017**, 313, 1269-1277 14.7 13
- 195 VS 4 nanoparticles rooted by a-C coated MWCNTs as an advanced anode material in lithium ion batteries. **2017**, 6, 149-156 99
- 194 Synthesis and electrochemical properties of ZnMn₂O₄ microspheres for lithium-ion battery application. **2017**, 690, 72-79 28
- 193 In-situ construction of Au nanoparticles confined in double-shelled TiO₂/mSiO₂ hollow architecture for excellent catalytic activity and enhanced thermal stability. **2017**, 392, 36-45 18
- 192 Synthesis of 3D Flower-like Nanocomposites of Nitrogen-Doped Carbon Nanosheets Embedded with Hollow Cobalt(II,III) Oxide Nanospheres for Lithium Storage. **2017**, 4, 102-108 12
- 191 Cobalt-Doped Nickel Phosphite for High Performance of Electrochemical Energy Storage. **2018**, 14, e1703811 57
- 190 Co₃O₄ and its composites for high-performance Li-ion batteries. *Chemical Engineering Journal*, **2018**, 343, 427-446 14.7 71
- 189 A robust hierarchical microcapsule for efficient supercapacitors exhibiting an ultrahigh current density of 300 A g⁻¹. *Journal of Materials Chemistry A*, **2018**, 6, 5724-5732 13 13
- 188 Hollow Structural Transition Metal Oxide for Advanced Supercapacitors. **2018**, 5, 1701509 62
- 187 Hierarchical three-dimensional flower-like Co₃O₄ architectures with a mesocrystal structure as high capacity anode materials for long-lived lithium-ion batteries. **2018**, 11, 1437-1446 78
- 186 Oxygen vacancy derived local build-in electric field in mesoporous hollow Co₃O₄ microspheres promotes high-performance Li-ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 6967-6976 13 173
- 185 Formation of NiCo₂V₂O₈ Yolk-Double Shell Spheres with Enhanced Lithium Storage Properties. **2018**, 130, 2949-2953 12
- 184 A facile hydrothermal synthesis of novel hollow triple-shell CuNiFe₂O₄ nanospheres with robust catalytic performance in the Suzuki-Miyaura coupling reaction. **2018**, 360, 261-269 47
- 183 Glucose-mediated template-free synthesis of hollow CuO microspheres.. *RSC Advances*, **2018**, 8, 14157-14163 4
- 182 CuMn₂O₄/graphene nanosheets as excellent anode for lithium-ion battery. **2018**, 104, 53-59 12
- 181 In situ construction of yolk-shell zinc cobaltite with uniform carbon doping for high performance asymmetric supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 9109-9115 13 42
- 180 Excellent cycling stabilities of a novel calliandra-like Co₃O₄ acted as anode materials for the lithium-ion battery. **2018**, 17, 311-317 11

179	In-plane porous Co ₃ O ₄ nanosheet assembled 3D hierarchical clusters grown on stainless steel mesh as binder-free anodes for high performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8388-8395	13	27
178	Synthesis and application of iron-based nanomaterials as anodes of lithium-ion batteries and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9332-9367	13	118
177	Superhierarchical Nickel/Vanadia Nanocomposites for Lithium Storage. 2018 , 1, 2056-2066		9
176	A Bottle-around-a-Ship Method To Generate Hollow Thin-Shelled Particles Containing Encapsulated Iron Species with Application to the Environmental Decontamination of Chlorinated Compounds. 2018 , 10, 13542-13551		5
175	Efficient entrapment and catalytic conversion of lithium polysulfides on hollow metal oxide submicro-spheres as lithium-sulfur battery cathodes. <i>Nanoscale</i> , 2018 , 10, 5634-5641	7.7	53
174	A Co ₃ O ₄ nano-octahedron modified fluorine doped tin oxide electrochemical sensor for detection of benzocyclon. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 813, 20-30	4.1	3
173	Formation of NiCo V O Yolk-Double Shell Spheres with Enhanced Lithium Storage Properties. 2018 , 57, 2899-2903		101
172	1D porous MnO@N-doped carbon nanotubes with improved Li-storage properties as advanced anode material for lithium-ion batteries. 2018 , 264, 292-300		127
171	Ultrathin Mesoporous CoO Nanosheet Arrays for High-Performance Lithium-Ion Batteries. 2018 , 3, 1675-1683		29
170	Mutually beneficial Co ₃ O ₄ @MoS ₂ heterostructures as a highly efficient bifunctional catalyst for electrochemical overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2067-2072	13	129
169	Charge-driven self-assembly synthesis of straw-sheaf-like Co ₃ O ₄ with superior cyclability and rate capability for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2018 , 338, 278-286	14.7	25
168	Two-Dimensional Holey Nanoarchitectures Created by Confined Self-Assembly of Nanoparticles via Block Copolymers: From Synthesis to Energy Storage Property. 2018 , 12, 820-828		51
167	MOF-derived Zn/Mn mixed oxides@carbon hollow disks with robust hierarchical structure for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2974-2983	13	50
166	Au@Cu _x O/S yolk-shell nanomaterials with porous shells act as a new peroxidase mimic for the colorimetric detection of H ₂ O ₂ . 2018 , 741, 197-204		19
165	Three-Dimensional Hierarchical Structure ZnO@C@NiO on Carbon Cloth for Asymmetric Supercapacitor with Enhanced Cycle Stability. 2018 , 10, 3549-3561		172
164	A new binder-free and conductive-additive-free TiO ₂ /WO ₃ -W integrative anode material produced by laser ablation. <i>Journal of Power Sources</i> , 2018 , 378, 362-368	8.9	9
163	Recent Advances in Designing High-Capacity Anode Nanomaterials for Li-Ion Batteries and Their Atomic-Scale Storage Mechanism Studies. 2018 , 5, 1700902		45
162	Ultrathin mesoporous shell Co ₃ O ₄ hollow spheres as high-performance electrode materials for lithium-ion batteries. 2018 , 214, 165-171		15

161	Hollow microspherical vanadium pentoxide fabricated via non-hydrothermal route for lithium ion batteries. 2018 , 227, 13-16		3
160	Metal Oxide and Its Composite Nanomaterials for Electrochemical Monitoring of PTS: Design, Preparation, and Application. 2018 , 305-400		
159	Rational synthesis of graphene-encapsulated uniform MnMoO hollow spheres as long-life and high-rate anodes for lithium-ion batteries. 2018 , 524, 256-262		26
158	A facial strategy to synthesize Pd/Co ₃ O ₄ nanosheets with enhanced performance for methane catalytic oxidation. 2018 , 452, 28-35		17
157	Surface engineering of FeCo-based electrocatalysts supported on carbon paper by incorporating non-noble metals for water oxidation. 2018 , 42, 7254-7261		10
156	Self-templating synthesis of double-wall shelled vanadium oxide hollow microspheres for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6792-6799	13	26
155	Enhanced pseudocapacitance contribution to outstanding Li-storage performance for a reduced graphene oxide-wrapped FeS composite anode. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7155-7161	13	33
154	Facile Synthesis of Nitrogen-Doped Double-Shelled Hollow Mesoporous Carbon Nanospheres as High-Performance Anode Materials for Lithium Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5999-6007	8.3	44
153	Cu ₂ SnO ₂ nanostructures obtained via galvanic replacement control as high performance anodes for lithium-ion storage. 2018 , 429, 218-224		9
152	Cobalt oxide nanosheets anchored onto nitrogen-doped carbon nanotubes as dual purpose electrodes for lithium-ion batteries and oxygen evolution reaction. 2018 , 42, 853-862		26
151	Self-template synthesis of double shelled ZnS-NiS _{1.97} hollow spheres for electrochemical energy storage. 2018 , 435, 993-1001		59
150	Dynamic imaging of metastable reaction pathways in lithiated cobalt oxide electrodes. 2018 , 44, 15-22		20
149	In situ growth of ZnO nanodots on carbon hierarchical hollow spheres as high-performance electrodes for lithium-ion batteries. 2018 , 735, 1079-1087		29
148	Controllable synthesis of mesoporous multi-shelled ZnO microspheres as efficient photocatalysts for NO oxidation. 2018 , 435, 468-475		39
147	Proton-Coupled Reversible Redox Reaction of Zinc-Terephthalate Metal-Organic Framework. 2018 , 88, 259-268		
146	High-Rate Performance and Ultralong Cycle Life Enabled by Hybrid Organic-Inorganic Vanadyl Ethylene Glycolate for Lithium-Ion Batteries. 2018 , 8, 1801978		20
145	Synthetic strategy and evaluation of hierarchical nanoporous NiO/NiCoP microspheres as efficient electrocatalysts for hydrogen evolution reaction. 2018 , 292, 88-97		23
144	Scalable Room-Temperature Synthesis of Multi-shelled Na ₃ (VOPO ₄) ₂ F Microsphere Cathodes. 2018 , 2, 2348-2363		80

143	Metal-Organic Framework (MOF)-Derived Effective Solid Catalysts for Valorization of Lignocellulosic Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 13628-13643	8.3	216
142	Tungsten-Based Materials for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1707500	15.6	80
141	Facilitated Lithium Storage in Hierarchical Microsphere of Cu ₂ S-MoS ₂ Ultrathin Nanosheets. 2018 , 3, 11020-11026		4
140	Hollow irregular octahedra-like NiCo ₂ O ₄ cages composed of mesoporous nanosheets as a superior anode material for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2018 , 350, 29-36	14.7	30
139	Unique Co ₃ O ₄ /nitrogen-doped carbon nanospheres derived from metal-organic framework: insight into their superior lithium storage capabilities and electrochemical features in high-voltage batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 12466-12474	13	66
138	ZnO/Cu ₂ MgO ₃ hollow porous nanocage: A new class of hybrid anode material for advanced lithium-ion batteries. 2018 , 763, 94-101		18
137	3D sandwich-shaped graphene-based nanocomposite intercalated with double-shelled hollow MnCo ₂ O ₄ spheres as anode materials for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2018 , 351, 930-938	14.7	24
136	Investigation of the Enhanced Lithium Battery Storage in a Polyoxometalate Model: From Solid Spheres to Hollow Balls. 2018 , 2, 1800154		14
135	The Design and Synthesis of Hollow Micro-/Nanostructures: Present and Future Trends. 2018 , 30, e1800939		218
134	MoC/C nanowires as high-rate and long cyclic life anode for lithium ion batteries. 2018 , 277, 205-210		22
133	Self-Sacrificial Template-Driven LaFeO ₃ /Fe ₂ O ₃ Porous Nano-Octahedrons for Acetone Sensing. 2018 , 1, 4671-4681		33
132	Hierarchy Design in Metal Oxides as Anodes for Advanced Lithium-Ion Batteries. 2018 , 2, 1800171		53
131	Ni-Doped Cobalt Phosphite, Co(HPO)(OH), with Different Morphologies Grown on Ni Foam Hydro(solvo)thermally for High-Performance Supercapacitor. 2018 , 10, 31340-31354		28
130	Bubble-assisted fabrication of hollow CoMoO spheres for energy storage. 2018 , 54, 10355-10358		12
129	Recent Progress on Two-Dimensional Nanoflake Ensembles for Energy Storage Applications. 2018 , 10, 66		49
128	Review and prospect of NiCo ₂ O ₄ -based composite materials for supercapacitor electrodes. 2019 , 31, 54-78		178
127	Metal-organic framework-derived Co ₃ O ₄ /CoFe ₂ O ₄ double-shelled nanocubes for selective detection of sub-ppm-level formaldehyde. 2019 , 298, 126887		31
126	Hollow multi-shelled structures for energy conversion and storage applications. 2019 , 6, 2239-2259		20

125	Unusual formation of hollow NiCoO ₂ sub-microspheres by oxygen functional group dominated thermally induced mass relocation towards efficient lithium storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18109-18117	13	25
124	Sol-gel synthesis and characterizations of morphology-controlled Co ₃ O ₄ particles. 2019 , 9, 458-467		21
123	Self-sacrificing template based hollow carbon spheres/molybdenum dioxide nanocomposite for high-performance Lithium-ion batteries. 2019 , 21, 100694		6
122	Tunability of Porous CuCo ₂ O ₄ Architectures as High-Performance Electrode Materials for Supercapacitors. 2019 , 5, 1398-1407		14
121	Synthesis and Electrochemical Energy Storage Applications of Micro/Nanostructured Spherical Materials. 2019 , 9,		6
120	Three-dimensional Ni/MnO ₂ nanocylinder array with high capacitance for supercapacitors. 2019 , 12, 1411-1416		7
119	Formation mechanism of yolk-shell LaMnO ₃ microspheres prepared by P123-template and oxidation of NO. 2019 , 13, 77-86		3
118	Hollow mesoporous hetero-ZnO/ZnMnO ₃ microspheres: template-free formation process and enhanced lithium storage capability towards Li-ion batteries as a competitive anode. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3264-3277	13	49
117	In situ generated 3D hierarchical Co ₃ O ₄ @MnO ₂ core-shell hybrid materials: self-assembled fabrication, morphological control and energy applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 5967-5980	13	16
116	Oxygen vacancies dominated CuO@ZnFe ₂ O ₄ yolk-shell microspheres for robust and selective detection of xylene. 2019 , 295, 117-126		31
115	Synthesis and theoretical calculations of N-doped ZnCo ₂ O ₄ anode for lithium-ion anode via gradient pressure-induced processes and theoretical calculations. 2019 , 797, 978-985		3
114	High-rate capability and long-term cycling of self-assembled hierarchical Fe ₃ O ₄ /carbon hollow spheres through interfacial control. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16720-16727	13	16
113	Synthesis of carbonaceous/carbon-free nanofibers consisted of Co ₃ V ₂ O ₈ nanocrystals for lithium-ion battery anode with ultralong cycle life. 2019 , 313, 48-58		17
112	Three-dimensional nanocomposites with CoO nanosheets parallelly embedded in carbon network walls for enhanced lithium-ion storage. 2019 , 48, 8375-8383		4
111	Ultrathin NiO confined within hollow carbon sphere for efficient electrochemical energy storage. 2019 , 797, 702-709		8
110	Nanostructures and Nanomaterials for Lithium-Ion Batteries. 2019 , 89-158		1
109	Nanostructures and Nanomaterials for Batteries. 2019 ,		9
108	High capacity conversion anodes in Li-ion batteries: A review. 2019 , 44, 10852-10905		62

107	Designing an asymmetric device based on graphene wrapped yolk-shell NiGa ₂ S ₄ hollow microspheres and graphene wrapped FeS ₂ @FeSe ₂ core-shell cratered spheres with outstanding energy density. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10282-10292	13	72
106	Cobalt oxide-based nanoarchitectures for electrochemical energy applications. 2019 , 103, 596-677		97
105	Facile precursor conversion synthesis of hollow coral-shaped Co ₃ O ₄ nanostructures for high-performance supercapacitors. 2019 , 570, 63-72		11
104	Nanosheets-in-nanotube Co ₃ O ₄ -carbon array design enables stable Li-ion storage. 2019 , 147, 501-509		11
103	Three-dimensional ordered porous electrode materials for electrochemical energy storage. 2019 , 11,		126
102	In situ encapsulation of CoO polyhedra in graphene sheets for high-capacitance supercapacitors. 2019 , 48, 5773-5778		29
101	Chemical reduction-induced oxygen deficiency in Co ₃ O ₄ nanocubes as advanced anodes for lithium ion batteries. 2019 , 334, 117-124		17
100	Multishelled Transition Metal-Based Microspheres: Synthesis and Applications for Batteries and Supercapacitors. 2019 , 15, e1804737		38
99	Internal-diffusion controlled synthesis of V ₂ O ₅ hollow microspheres for superior lithium-ion full batteries. 2019 , 200, 38-45		13
98	Mesoporous ZnCoO/rGO nanocomposites enhancing sodium storage. <i>Nanotechnology</i> , 2019 , 30, 2340053,4		5
97	Co-based metal-organic framework and its derivatives as high-performance anode materials for lithium-ion batteries. <i>Journal of Materials Science</i> , 2019 , 54, 1529-1538	4.3	17
96	Architecture and Preparation of Hollow Catalytic Devices. 2019 , 31, e1801104		76
95	Architectural Design of Self-Assembled Hollow Superstructures. 2019 , 31, e1801441		25
94	Modulation synthesis of multi-shelled cobalt-iron oxides as efficient catalysts for peroxymonosulfate-mediated organics degradation. <i>Chemical Engineering Journal</i> , 2019 , 359, 1537-1549 ^{14.7}		40
93	MoS ₂ /NiS Yolk-Shell Microsphere-Based Electrodes for Overall Water Splitting and Asymmetric Supercapacitor. 2019 , 15, e1803639		134
92	Carbon coated porous Co ₃ O ₄ nanosheets derived from cotton fibers as anodes for superior lithium ion batteries. 2019 , 475, 446-452		24
91	Controlled synthesis of porous Co-Mn nanosheet composite with high performance for lithium-ion battery. 2019 , 784, 29-40		5
90	Synthesis of Yolk-Shell Magnetic Porous Organic Nanospheres for Efficient Removal of Methylene Blue from Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2924-2932	8.3	25

89	Cobalt oxide-porous carbon composite derived from CO ₂ for the enhanced performance of lithium-ion battery. 2019 , 30, 28-37		17
88	Rational design of yolk-shell nanostructures for photocatalysis. 2019 , 48, 1874-1907		171
87	Nanohybrid electrodes of porous hollow SnO ₂ and graphene aerogel for lithium ion battery anodes. 2019 , 71, 345-350		13
86	Sequential Templating Approach: A Groundbreaking Strategy to Create Hollow Multishelled Structures. 2019 , 31, e1802874		110
85	Design of Hollow Nanostructures for Energy Storage, Conversion and Production. 2019 , 31, e1801993		224
84	Design of multishell microsphere of transition metal oxides/carbon composites for lithium ion battery. <i>Chemical Engineering Journal</i> , 2020 , 380, 122489	14.7	42
83	Hollow Micro- and Nanomaterials: Synthesis and Applications. 2020 , 1-38		4
82	Synthesis of Single-Component Metal Oxides with Controllable Multi-Shelled Structure and their Morphology-Related Applications. 2020 , 20, 102-119		43
81	Novel hierarchically branched CoC ₂ O ₄ @CoO/Co composite arrays with superior lithium storage performance. 2020 , 24, 362-372		19
80	Petal cell-derived MnO nanoparticle-incorporated biocarbon composite and its enhanced lithium storage performance. <i>Journal of Materials Science</i> , 2020 , 55, 2139-2154	4.3	8
79	EDTA-Co(II) sodium complex derived Co(OH) ₂ /Co ₃ O ₄ /Co nanoparticles embedded in nitrogen-enriched graphitic porous carbon as lithium-ion battery anode with superior cycling stability. 2020 , 504, 144515		16
78	Formation of graphene-wrapped multi-shelled NiGaO hollow spheres and graphene-wrapped yolk-shell NiFeO hollow spheres derived from metal-organic frameworks for high-performance hybrid supercapacitors. <i>Nanoscale</i> , 2020 , 12, 1643-1656	7.7	73
77	In-situ MOFs-derived hollow Co ₉ S ₈ polyhedron welding on the top of MnCo ₂ S ₄ nanoneedles for high performance hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2020 , 391, 123541	14.7	34
76	The keys for effective distribution of intergranular voids of peapod-like MnO@C core-shell for lithium ion batteries. 2020 , 817, 152760		4
75	One-pot synthesis of uniform hollow nanospheres of CeZrO mixed oxides by spray pyrolysis. 2020 , 294, 109886		5
74	Binary zinc-cobalt metal-organic framework derived mesoporous ZnCoO@NC polyhedron as a high-performance lithium-ion battery anode. 2020 , 49, 14237-14242		19
73	Short and elongated photonic nanojets emerged from single solid/hollow core-shell microparticles illuminated by focused Gaussian beams and plane wave. 2020 , 257, 107350		5
72	Oriented Formation of a Prussian Blue Nanoflower as a High Performance Cathode for Sodium Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 16229-16240	8.3	9

71	Soft-template-assisted synthesis: a promising approach for the fabrication of transition metal oxides. 2020 , 2, 5015-5045		23
70	Synthesis and Electrochemical Properties of CoMnO ₄ as Novel Material for Lithium Ion Battery Application. 2020 , 20, 7665-7672		0
69	Decoration of CuS nanocages with internal and external Co(OH) ₂ nanosheets to jointly promote electrocatalytic activity for the highly sensitive detection of glucose. 2020 , 323, 128692		9
68	Template-free, microscale dimple patterning of pure titanium surface through anodic dissolution using non-aqueous ethylene glycol-TiCl ₄ electrolytes. 2020 , 404, 126555		2
67	Synergistic effect of hierarchical nanopores in Co-doped cobalt oxide 3D flowers for electrochemical energy storage.. <i>RSC Advances</i> , 2020 , 10, 43825-43833	3-7	3
66	Carbonyl Functional Group Modified Metal-Organic Coordination Polymer with Improved Lithium-Storage Performance. 2020 , 3, 11378-11387		7
65	Electrodeposited CuMnS and CoMnS electrodes for high-performance asymmetric supercapacitor devices. 2020 , 46, 21343-21350		11
64	Construction of mesoporous Li ₄ Ti ₅ O ₁₂ hollow spheres for high rate lithium ion batteries. 2020 , 146, 109569		4
63	Cobalt-oxide/carbon composites for asymmetric solid-state supercapacitors. 2020 , 131, 110974		13
62	One-pot carbonization synthesis of Fe ₂ O ₃ /Fe/carbon composite for high Li-storage and excellent stability. 2020 , 275, 128066		3
61	Engineering Surface Structure and Defect Chemistry of Nanoscale Cubic Co ₃ O ₄ Crystallites for Enhanced Lithium and Sodium Storage. 2020 , 3, 3892-3903		18
60	MOF-derived zinc manganese oxide nanosheets with valence-controllable composition for high-performance Li storage. 2020 ,		8
59	Ionic liquid-derivatized hierarchical N-doped carbon-coated Co ₃ O ₄ nanosheet array as high-performance anode materials for lithium-ion batteries. 2020 , 31, 4997-5007		2
58	Nanoscale Co ₃ O ₄ powders prepared by an enhanced solid-state reaction method. 2020 , 46, 13893-13899		3
57	Intrinsic performance regulation in hierarchically porous Co ₃ O ₄ microrods towards high-rate lithium ion battery anode. 2020 , 16, 100383		5
56	Versatile by design: Hollow Co ₃ O ₄ architectures for superior lithium storage prepared by alternative green Pechini method. 2020 , 510, 145431		3
55	Co ₃ O ₄ hollow microspheres on polypyrrole nanotubes network enabling long-term cyclability sulfur cathode. 2020 , 510, 145529		19
54	Dual-template hydrothermal synthesis of multi-channel porous NiCo ₂ O ₄ hollow spheres as high-performance electromagnetic wave absorber. 2020 , 515, 146132		51

- 53 Well-Defined Nanostructures for Electrochemical Energy Conversion and Storage. **2021**, 11, 2001537 47
- 52 Structural, optical, thermal and electrochemical studies of SnO₂ by the influence of carbon derived from filter paper as carbon precursor. **2021**, 36, 841-847
- 51 Small Structures Bring Big Things: Performance Control of Hollow Multishelled Structures. **2021**, 2, 2000041 23
- 50 Prussian blue analogue derived low-crystalline Mn₂O₃/Co₃O₄ as high-performance supercapacitor electrode. **2021**, 856, 157134 6
- 49 Synthesis of Fe₂O₃ double-layer hollow spheres with carbon coating using carbonaceous sphere templates for lithium ion battery anodes. **2021**, 25, 267-278 1
- 48 Extremely pseudocapacitive interface engineered CoO@3D-NRGO hybrid anodes for high energy/power density and ultralong life lithium-ion batteries. **2021**, 171, 869-881 18
- 47 Heterostructures of titanium-based MXenes in energy conversion and storage devices. **2021**, 9, 8395-8465 10
- 46 Tin dioxide-based nanomaterials as anodes for lithium-ion batteries.. *RSC Advances*, **2020**, 11, 1200-12213.7 5
- 45 Microporous Co_{1-x}Fe_x@C nanoparticles: Strong wideband microwave absorbers for reflection loss less than -20 dB. **2021**, 856, 158175 0
- 44 Preparation and electrochemical properties of sepiolite supported Co₃O₄ nanoparticles. **2021**, 203, 106020 1
- 43 Recent advances of layered-transition metal oxides for energy-related applications. **2021**, 36, 514-550 28
- 42 Recent Progress in Polyanionic Anode Materials for Li (Na)-Ion Batteries. **2021**, 4, 447-472 18
- 41 MOF-Derived Fe-Doped Ni@NC Hierarchical Hollow Microspheres as an Efficient Electrocatalyst for Alkaline Oxygen Evolution Reaction. **2021**, 6, 11077-11082 3
- 40 Copper-doped manganese tetroxide composites with excellent electrochemical performance for aqueous zinc-ion batteries. *Journal of Electroanalytical Chemistry*, **2021**, 888, 115214 4.1 2
- 39 Interconnected porous N-doped carbon coated cobalt/iron oxides core shell nanocomposites for superior lithium storage anode. **2021**, 862, 158044 1
- 38 Heterogeneous Metal Azolate Framework-6 (MAF-6) Catalysts with High Zinc Density for Enhanced Polyethylene Terephthalate (PET) Conversion. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 6541-6550 8.3 27
- 37 Design Principle of Monoclinic NiCoSe and CoSe Nanoparticles with Opposing Intrinsic and Geometric Electrocatalytic Activity toward the OER. **2021**, 60, 9542-9551 6
- 36 Rational Design of a ZIF-67/Cobalt-Glycolate Heterostructure with Improved Conductivity for High Cycling Stability and High-Capacity Lithium Storage. **2021**, 8, 2431-2441 3

35	Embedding Cobalt Into ZIF-67 to Obtain Cobalt-Nanoporous Carbon Composites as Electrode Materials for Lithium ion Battery.		0
34	Facile synthesis of aminophenylboronic decorated electrospun CoFe ₂ O ₄ spinel nanofibers with enhanced electrocatalytic performance for glucose electrochemical sensor application. 2021 , 47, 19052-19062 ²		
33	Rapid and green combustion synthesis of nanocomposites based on ZnCoO nanostructures as photocatalysts for enhanced degradation of acid brown 14 contaminant under sunlight. 2021 , 280, 119841		16
32	Recent progress on transition metal oxides as advanced materials for energy conversion and storage. 2021 , 42, 317-369		21
31	Dispersive NiCoP/LDO heterostructure nanosheets scattered by CNTs enabling high-performance electrochemical energy storage. <i>Chemical Engineering Journal</i> , 2022 , 429, 132482	14.7	3
30	Hollow Fe ₂ O ₃ nanotubes derived from metal-organic framework for enhanced lithium storage and dye adsorption. 2021 , 28, 673-681		1
29	Highly Hierarchical Porous Ultrathin Co ₃ O ₄ [email[protected]] Foam for High-Performance Supercapacitors. 2021 , 4, 1619-1627		10
28	Recent advances in the fabrication and application of biopolymer-based micro- and nanostructures: A comprehensive review. <i>Chemical Engineering Journal</i> , 2020 , 397, 125409	14.7	36
27	Design of Double-Shelled CuS Nanocages to Optimize Electrocatalytic Dynamic for Sensitive Detection of Ascorbic Acid. <i>Nanoscale Research Letters</i> , 2020 , 15, 44	5	5
26	Stereoassembled VO@FeOOH Hollow Architectures with Lithiation Volumetric Strain Self-Reconstruction for Lithium-Ion Storage. <i>Research</i> , 2020 , 2020, 2360796	7.8	12
25	Interfacial Natures and Controlling Morphology of Co Oxide Nanocrystal Structures by Adding Spectator Ni Ions. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 505-510	1.2	47
24	Wide Voltage Aqueous Asymmetric Supercapacitors: Advances, Strategies, and Challenges. <i>Advanced Functional Materials</i> , 2108107	15.6	15
23	Well-Arranged Porous Co ₃ O ₄ Microsheets and Its Electroanalysis toward Pb (II). <i>International Journal of Chemical Engineering and Applications (IJCEA)</i> , 2014 , 5, 229-233	0.2	
22	Characterization of Modified Nickel Silicate Anode Material for Lithium-Ion Batteries. <i>Minerals, Metals and Materials Series</i> , 2019 , 51-57	0.3	
21	Tailored design of Ni(OH) ₂ nanocages internally decorated with CuS nanocages to mutually ameliorate electrocatalytic dynamics for highly sensitive glucose detection. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 907, 115893	4.1	0
20	Polyvinylpyrrolidone-assisted synthesis of highly water-stable cadmium-based metal-organic framework nanosheets for the detection of metronidazole.. <i>RSC Advances</i> , 2021 , 11, 34842-34848	3.7	0
19	MOFs derived flower-like nickel and carbon composites with controllable structure toward efficient microwave absorption. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022 , 154, 106772	8.4	6
18	Hollow nano- and microstructures: Mechanism, composition, applications, and factors affecting morphology and performance. <i>Coordination Chemistry Reviews</i> , 2022 , 458, 214429	23.2	7

17	Facile Synthesis of Multi-Channel Surface Modified Amorphous Iron Oxide Nanospheres as a High-Performance Anode Material for Lithium-Ion Batteries. <i>SSRN Electronic Journal</i> ,	1	
16	Electrospun nanofibers of Co ₃ O ₄ nanocrystals encapsulated in cyclized-polyacrylonitrile for lithium storage. <i>Nanotechnology Reviews</i> , 2022 , 11, 945-956	6.3	
15	Unusual pseudocapacitive lithium-ion storage on defective Co ₃ O ₄ nanosheets.. <i>Nanotechnology</i> , 2022 ,	3.4	0
14	[CH ₃ NH ₃][M(HCOO) ₃]-based 2D porous NiCo ₂ S ₄ nanosheets for high-performance supercapacitors with high power densities. <i>Chemical Engineering Journal</i> , 2022 , 437, 135337	14.7	2
13	Cell-Regulated Hollow Sulfur Nanospheres with Porous Shell: A Dual-Responsive Carrier for Sustained Drug Release. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	
12	VS ₄ nanoarrays pillared Ti ₃ C ₂ T _x with enlarged interlayer spacing as anode for advanced lithium/sodium ion battery and hybrid capacitor. <i>Journal of Power Sources</i> , 2022 , 534, 231412	8.9	3
11	Recent progress on mixed transition metal nanomaterials based on metal-organic frameworks for energy-related applications. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 9788-9820	13	2
10	Insights into the enhanced electrochemical performance of MnV ₂ O ₆ nanoflakes as an anode material for advanced lithium storage. <i>Nanoscale</i> ,	7.7	0
9	Micro-morphology highly uniform mesoporous Co ₃ O ₄ spheres: shape-controlled fabrication by a salt-assisted template-free method and enhanced catalytic performance of styrene epoxidation. <i>Journal of Materials Science</i> , 2022 , 57, 11546-11562	4.3	
8	Facile Synthesis of Multi-Channel Surface-Modified Amorphous Iron Oxide Nanospheres as High-Performance Anode Materials for Lithium-Ion Batteries. 2022 , 15, 5974		
7	Ni-Co layered double hydroxide coated on microsphere nanocomposite of graphene oxide and single-walled carbon nanohorns as supercapacitor electrode material.		0
6	Oriented growth of stacking cobalt hydroxide salt continuous films and their topotactic-like transformation to oriented mesoporous films of Co ₃ O ₄ and CoO.		0
5	Improved Electrochemical Performance from Nano-Cobalt Oxide: Bifunctional Application in Energy Generation and Storage. 2022 , 5, 12907-12915		0
4	Photocatalytic activity of Co ₃ O ₄ @C enhanced by induction of amorphous cobalt-based MOF. 2022 , 130597		2
3	A novel scalable thinning route to enhance long-term stability of layered cathode materials for Li-ion batteries. 2023 , 58, 864-879		0
2	Metal oxide-assisted heterostructures: At a glance. 2023 , 3-42		0
1	Copper-induced formation of heterostructured Co ₃ O ₄ /CuO hollow nanospheres towards greatly enhanced lithium storage performance. 2023 , 108450		0