

# CITATION REPORT

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$\gamma$ -Fe<sub>2</sub>O<sub>3</sub> multi-shelled hollow microspheres for lithium ion battery anodes with superior capacity and charge retention

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445	Polydopamine directed MnO@C microstructures as electrode for lithium ion battery. <b>2016</b> , 59, 122-127	16
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442	Multishelled Nickel-Cobalt Oxide Hollow Microspheres with Optimized Compositions and Shell Porosity for High-Performance Pseudocapacitors. <b>2016</b> , 8, 17276-83	74
441	One-pot solvothermal synthesis of hierarchical WO <sub>3</sub> hollow microspheres with superior lithium ion battery anode performance. <b>2016</b> , 210, 147-154	45
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429	Synthesis, exploration of energy storage and electrochemical sensing properties of hematite nanoparticles. <b>2016</b> , 671, 552-559	23

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415	Highly Ordered Single Crystalline Nanowire Array Assembled Three-Dimensional Nb <sub>3</sub> O <sub>7</sub> (OH) and Nb <sub>2</sub> O <sub>5</sub> Superstructures for Energy Storage and Conversion Applications. <b>2016</b> , 10, 507-14	65
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413	Anodes for Li-Ion Batteries. <b>2016</b> , 323-429	
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402	Application of hybrid supercapacitor using granule Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /activated carbon with variation of current density. <b>2017</b> , 343, 545-549	45
401	Graphene-Encapsulated Copper tin Sulfide Submicron Spheres as High-Capacity Binder-Free Anode for Lithium-Ion Batteries. <b>2017</b> , 4, 1124-1129	21
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377	1-D nanostructure comprising porous Fe <sub>2</sub> O <sub>3</sub> /Se composite nanorods with numerous nanovoids, and their electrochemical properties for use in lithium-ion batteries. <b>2017</b> , 5, 10632-10639	35
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374	Hollow Ag/MnO Nanostructures with Controllable Shells: Synthesis and Oxygen Reduction Reaction Catalytic Performance. <b>2017</b> , 12, 347-354	6
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370	Promising anode material for lithium-ion cells based on cobalt oxide synthesized by microwave heating. <b>2017</b> , 23, 1693-1701	4
369	Reduced graphene oxide modified mesoporous FeNi alloy/carbon microspheres for enhanced broadband electromagnetic wave absorbers. <b>2017</b> , 1, 1786-1794	39
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361	Top-Down Strategy to Synthesize Mesoporous Dual Carbon Armored MnO Nanoparticles for Lithium-Ion Battery Anodes. <b>2017</b> , 9, 12680-12686	83
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327	Advanced Porous Carbon Materials for High-Efficient Lithium Metal Anodes. <b>2017</b> , 7, 1700530	160
326	Freestanding Nanoengineered [001] Preferentially Oriented TiO <sub>2</sub> Nanosheets/Graphene Planarly Aligned Nanohybrids with Enhanced Li-Storage Properties. <b>2017</b> , 4, 2819-2825	8
325	Enhanced Gas Sensitivity and Sensing Mechanism of Network Structures Assembled from Fe <sub>3</sub> O <sub>4</sub> Nanosheets with Exposed {104} Facets. <b>2017</b> , 33, 8671-8678	26
324	Three dimensional graphene encapsulated ZnO-ZnFe <sub>2</sub> O <sub>4</sub> composite hollow microspheres with enhanced lithium storage performance. <b>2017</b> , 249, 79-88	29
323	In-Situ Fabrication of MOF-Derived Co-Co Layered Double Hydroxide Hollow Nanocages/Graphene Composite: A Novel Electrode Material with Superior Electrochemical Performance. <b>2017</b> , 23, 14839-14847	68
322	Rapid fabrication of hollow and yolk-shell Fe <sub>2</sub> O <sub>3</sub> particles with applications to enhanced photo-Fenton reactions. <b>2017</b> , 7, 39049-39056	4
321	Metal-organic framework-derived CoSe <sub>2</sub> /(NiCo)Se <sub>2</sub> box-in-box hollow nanocubes with enhanced electrochemical properties for sodium-ion storage and hydrogen evolution. <b>2017</b> , 5, 18823-18830	171

320	Construction of MoO Quantum Dot-Graphene and MoS Nanoparticle-Graphene Nanoarchitectures toward Ultrahigh Lithium Storage Capability. <b>2017</b> , 9, 28441-28450	29
319	Ultrathin Fe <sub>2</sub> O <sub>3</sub> nanoflakes using smart chemical stripping for high performance lithium storage. <b>2017</b> , 5, 18737-18743	48
318	Preparation of Hierarchical MnCo <sub>2</sub> S <sub>4</sub> Nanotubes for High-Performance Supercapacitors and Non-Enzymatic Glucose Sensors. <b>2017</b> , 2, 11154-11159	19
317	Synthesis and anode properties of corundum-type structured (Fe <sub>2</sub> O <sub>3</sub> ) <sub>1-x</sub> (Al <sub>2</sub> O <sub>3</sub> ) <sub>x</sub> solid solutions in the whole compositional range. <b>2017</b> , 313, 1-6	2
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315	Hierarchical porous Fe <sub>2</sub> O <sub>3</sub> assisted with graphene-like carbon as high-performance lithium battery anodes. <b>2017</b> , 3, 7-15	25
314	A new general approach to synthesizing filled and yolk-shell structured metal oxide microspheres by applying a carbonaceous template. <b>2017</b> , 9, 17991-17999	19
313	Encapsulating iron oxide@carbon in carbon nanofibers as stable electric conductive network for lithium-ion batteries. <b>2017</b> , 246, 766-775	19
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311	Gel polymer electrolyte based on polyethylene glycol composite lignocellulose matrix with higher comprehensive performances. <b>2017</b> , 247, 505-515	27
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309	Heterogeneous Double-Shelled Constructed FeO Yolk-Shell Magnetite Nanoboxes with Superior Lithium Storage Performances. <b>2017</b> , 9, 24662-24670	29
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305	NiCo <sub>2</sub> O <sub>4</sub> hollow microspheres with tunable numbers and thickness of shell for supercapacitors. <b>2017</b> , 309, 426-434	85
304	Programmable synthesis of metal hydroxide/oxide hollow architectures: towards an efficient and robust photocatalyst for water remediation. <b>2017</b> , 5, 124-132	21
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302	Multishelled Ni-Rich Li(Ni Co Mn )O Hollow Fibers with Low Cation Mixing as High-Performance Cathode Materials for Li-Ion Batteries. <b>2017</b> , 4, 1600262	145
301	Control Growth of Mesoporous Nickel Tungstate Nanofiber and Its Application as Anode Material for Lithium-Ion Batteries. <b>2017</b> , 224, 460-467	30
300	Hierarchically structured Fe <sub>3</sub> O <sub>4</sub> /C nanosheets for effective lithium-ion storage. <b>2017</b> , 691, 592-599	27
299	Synthesis of 3D Flower-like Nanocomposites of Nitrogen-Doped Carbon Nanosheets Embedded with Hollow Cobalt(II,III) Oxide Nanospheres for Lithium Storage. <b>2017</b> , 4, 102-108	12
298	In-situ growth of ultrathin MoS <sub>2</sub> nanosheets on sponge-like carbon nanospheres for lithium-ion batteries. <b>2018</b> , 61, 1049-1056	17
297	Co <sub>3</sub> O <sub>4</sub> and its composites for high-performance Li-ion batteries. <b>2018</b> , 343, 427-446	71
296	Synthesis of homogeneous CaMoO <sub>4</sub> microspheres with nanopits for high-capacity anode material in Li-ion battery. <b>2018</b> , 124, 1	7
295	Formation of NiCo <sub>2</sub> V <sub>2</sub> O <sub>8</sub> Yolk-Double Shell Spheres with Enhanced Lithium Storage Properties. <b>2018</b> , 130, 2949-2953	12
294	Nitrogen doped yolk-shell carbon spheres as cathode host for lithium-sulfur battery. <b>2018</b> , 747, 283-292	14
293	Facile synthesis of N-doped carbon-coated nickel oxide nanoparticles embedded in N-doped carbon sheets for reversible lithium storage. <b>2018</b> , 745, 147-154	8
292	Volatile Organic Compound Gas-Sensing Properties of Bimodal Porous $\gamma$ -FeO with Ultrahigh Sensitivity and Fast Response. <b>2018</b> , 10, 13702-13711	60
291	Superior electrochemical properties of micron-sized aggregates of (Co <sub>0.5</sub> Fe <sub>0.5</sub> ) <sub>3</sub> O <sub>4</sub> hollow nanospheres and graphitic carbon. <b>2018</b> , 346, 351-360	5
290	Achieving Highly Electrocatalytic Performance by Constructing Holey Reduced Graphene Oxide Hollow Nanospheres Sandwiched by Interior and Exterior Platinum Nanoparticles. <b>2018</b> , 1, 2341-2349	15
289	Coordination Polymer-Derived Multishelled Mixed Ni-Co Oxide Microspheres for Robust and Selective Detection of Xylene. <b>2018</b> , 10, 15314-15321	50
288	Efficient entrapment and catalytic conversion of lithium polysulfides on hollow metal oxide submicro-spheres as lithium-sulfur battery cathodes. <b>2018</b> , 10, 5634-5641	53
287	Amorphous carbon-coated ZnO porous nanosheets: Facile fabrication and application in lithium- and sodium-ion batteries. <b>2018</b> , 744, 712-720	45
286	Facile synthesis of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> @C hollow spheres as ultra-long cycle performance anode materials for lithium ion battery. <b>2018</b> , 742, 490-496	24
285	Nanostructured Conversion-type Anode Materials for Advanced Lithium-Ion Batteries. <b>2018</b> , 4, 972-996	410

284	Formation of multi-shelled nickel-based sulfide hollow spheres for rechargeable alkaline batteries. <b>2018</b> , 5, 535-540	56
283	Rational Design of 3D Urchin-like FeMnxOy@FeOOH for Water Purification and Energy Storage. <b>2018</b> , 6, 2991-3001	12
282	Formation of NiCo V O Yolk-Double Shell Spheres with Enhanced Lithium Storage Properties. <b>2018</b> , 57, 2899-2903	101
281	Hierarchically assembled 3D nanoflowers and 0D nanoparticles of nickel sulfides on reduced graphene oxide with excellent lithium storage performances. <b>2018</b> , 439, 386-393	18
280	Ultrathin Porous NiFeV Ternary Layer Hydroxide Nanosheets as a Highly Efficient Bifunctional Electrocatalyst for Overall Water Splitting. <b>2018</b> , 14, 1703257	206
279	Ball-in-ball hierarchical design of P2-type layered oxide as high performance Na-ion battery cathodes. <b>2018</b> , 265, 284-291	11
278	A facile in-situ polymerization strategy towards polyimide/carbon black composites as high performance lithium ion battery cathodes. <b>2018</b> , 260, 598-605	22
277	Controlled synthesis of silkworm cocoon-like $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> and its adsorptive properties for organic dyes and Cr(VI). <b>2018</b> , 100, 302-307	11
276	Porous SnO <sub>2</sub> hollow microspheres as anodes for high-performance lithium ion battery. <b>2018</b> , 217, 276-280	44
275	Delicate Control of Multishelled Zn-Mn-O Hollow Microspheres as a High-Performance Anode for Lithium-Ion Batteries. <b>2018</b> , 34, 1242-1248	15
274	Hierarchically Nanostructured Transition Metal Oxides for Lithium-Ion Batteries. <b>2018</b> , 5, 1700592	304
273	Micron-sized iron-oxide secondary particles as anode material for high volumetric-energy-density of lithium-ion batteries. <b>2018</b> , 7, 80-86	10
272	Recent Advances in Designing High-Capacity Anode Nanomaterials for Li-Ion Batteries and Their Atomic-Scale Storage Mechanism Studies. <b>2018</b> , 5, 1700902	45
271	Subunits controlled synthesis of three-dimensional hierarchical flower-like $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> hollow spheres as high-performance anodes for lithium ion batteries. <b>2018</b> , 452, 174-180	21
270	Ultrathin mesoporous shell Co <sub>3</sub> O <sub>4</sub> hollow spheres as high-performance electrode materials for lithium-ion batteries. <b>2018</b> , 214, 165-171	15
269	High performance MnO@C microcages with a hierarchical structure and tunable carbon shell for efficient and durable lithium storage. <b>2018</b> , 6, 9723-9736	176
268	Carbon coated hierarchical porous MoO <sub>2</sub> nanoflowers as high-performance anodes in lithium-ion batteries. <b>2018</b> , 102, 277-281	14
267	Self-templating synthesis of double-wall shelled vanadium oxide hollow microspheres for high-performance lithium ion batteries. <b>2018</b> , 6, 6792-6799	26

266	In situ Synthesis of V <sub>2</sub> O <sub>3</sub> -Intercalated N-doped Graphene Nanobelts from VO <sub>x</sub> -Amine Hybrid as High-Performance Anode Material for Alkali-Ion Batteries. <b>2018</b> , 5, 1387-1393	19
265	Metal-organic framework-derived porous shuttle-like vanadium oxides for sodium-ion battery application. <b>2018</b> , 11, 449-463	85
264	Overview of nanostructured metal oxides and pure nickel oxide (NiO) electrodes for supercapacitors: A review. <b>2018</b> , 734, 89-111	221
263	One-pot solvothermal synthesis of fern leaf-like Fe <sub>2</sub> O <sub>3</sub> @C/graphene from ferrocene with enhanced lithium and sodium storage properties. <b>2018</b> , 323, 424-432	31
262	General Synthesis of Transition-Metal Oxide Hollow Nanospheres/Nitrogen-Doped Graphene Hybrids by Metal-Ammine Complex Chemistry for High-Performance Lithium-Ion Batteries. <b>2018</b> , 24, 2126-2136	14
261	High-performance asymmetrical supercapacitor composed of rGO-enveloped nickel phosphite hollow spheres and N/S co-doped rGO aerogel. <b>2018</b> , 11, 1651-1663	41
260	Construction of Complex Co O @Co V O Hollow Structures from Metal-Organic Frameworks with Enhanced Lithium Storage Properties. <b>2018</b> , 30, 1702875	213
259	Reduced graphene oxide-coated mulberry-shaped Fe <sub>2</sub> O <sub>3</sub> nanoparticles composite as high performance electrode material for supercapacitors. <b>2018</b> , 738, 89-96	18
258	Local Built-In Electric Field Enabled in Carbon-Doped Co <sub>3</sub> O <sub>4</sub> Nanocrystals for Superior Lithium-Ion Storage. <b>2018</b> , 28, 1705951	94
257	Electrochemical properties of uniquely structured Fe <sub>2</sub> O <sub>3</sub> and FeSe <sub>2</sub> /graphitic-carbon microrods synthesized by applying a metal-organic framework. <b>2018</b> , 334, 2440-2449	46
256	Template-Free Synthesis of Sb <sub>2</sub> S <sub>3</sub> Hollow Microspheres as Anode Materials for Lithium-Ion and Sodium-Ion Batteries. <b>2018</b> , 10, 12	71
255	Recent Developments on and Prospects for Electrode Materials with Hierarchical Structures for Lithium-Ion Batteries. <b>2018</b> , 8, 1701415	321
254	Construction of multi-shelled Bi <sub>2</sub> WO <sub>6</sub> hollow microspheres with enhanced visible light photo-catalytic performance. <b>2018</b> , 99, 331-335	26
253	Scalable and general synthesis of spinel manganese-based cathodes with hierarchical yolk-shell structure and superior lithium storage properties. <b>2018</b> , 11, 246-253	13
252	Clean Block Copolymer Microparticles from Supercritical CO <sub>2</sub> : Universal Templates for the Facile and Scalable Fabrication of Hierarchical Mesostructured Metal Oxides. <b>2018</b> , 18, 7560-7569	10
251	Construction of Multishelled Binary Metal Oxides via Coabsorption of Positive and Negative Ions as a Superior Cathode for Sodium-Ion Batteries. <b>2018</b> , 140, 17114-17119	65
250	Graphene-like MoS <sub>2</sub> Nanosheets on Carbon Fabrics as High-Performance Binder-free Electrodes for Supercapacitors and Li-Ion Batteries. <b>2018</b> , 3, 17466-17473	26
249	Double-Holey-Heterostructure Frameworks Enable Fast, Stable, and Simultaneous Ultrahigh Gravimetric, Areal, and Volumetric Lithium Storage. <b>2018</b> , 12, 12879-12887	49

248	Aqueous Dual-Ion Battery Based on a Hematite Anode with Exposed {1 0 4} Facets. <b>2018</b> , 11, 4269-4274	18
247	Facile Synthesis of Single-Hole Crosslinked Particles with Embedded Single Bulge by Seeded Emulsion Polymerization. <b>2018</b> , 219, 1800150	3
246	Copper oxide hollow spheres: Synthesis and catalytic application in hydrolytic dehydrogenation of ammonia borane. <b>2018</b> , 43, 20875-20881	18
245	Design and synthesis of structured particles for next-generation lithium-ion batteries. <b>2018</b> , 261-278	1
244	Boosting potassium-ion batteries by few-layered composite anodes prepared via solution-triggered one-step shear exfoliation. <b>2018</b> , 9, 3645	160
243	Hierarchical porous ZnMnO yolk-shell microspheres with superior lithium storage properties enabled by a unique one-step conversion mechanism.. <b>2018</b> , 8, 31388-31395	6
242	3D Copper [email protected] Nanoarrays as a High Areal Capacity and Stable Electrode for Lithium-Ion Batteries. <b>2018</b> ,	4
241	Necklace-like Multishelled Hollow Spinel Oxides with Oxygen Vacancies for Efficient Water Electrolysis. <b>2018</b> , 140, 13644-13653	288
240	Fabrication of MoS <sub>2</sub> @SnO <sub>2</sub> -SnS <sub>2</sub> composites and their applications as anodes for lithium ion batteries. <b>2018</b> , 108, 106-112	13
239	Nonhierarchical Heterostructured Fe O /Mn O Porous Hollow Spheres for Enhanced Lithium Storage. <b>2018</b> , 14, e1800659	67
238	Biogenous iron oxide (L-BIOX) as a high capacity anode material for lithium ion batteries. <b>2018</b> , 281, 227-236	3
237	Cr <sub>2</sub> O <sub>3</sub> nanocrystal anode materials with improved cyclic stability for lithium ion batteries. <b>2018</b> , 29, 11795-11800	0
236	High performance of yolk-shell structured MnO@nitrogen doped carbon microspheres as lithium ion battery anode materials and their in operando X-ray diffraction study. <b>2018</b> , 282, 719-727	18
235	Simple and efficient fabrication of pomegranate-like Fe <sub>2</sub> O <sub>3</sub> @C on carbon cloth as an anode for lithium-ion batteries. <b>2018</b> , 766, 253-260	9
234	3D hierarchical porous sponge-like V <sub>2</sub> O <sub>5</sub> micro/nano-structures for high-performance Li-ion batteries. <b>2018</b> , 765, 901-906	16
233	Lithium-ion storage performances of sunflower-like and nano-sized hollow SnO spheres by spray pyrolysis and the nanoscale Kirkendall effect. <b>2018</b> , 10, 13531-13538	18
232	Investigation of the Enhanced Lithium Battery Storage in a Polyoxometalate Model: From Solid Spheres to Hollow Balls. <b>2018</b> , 2, 1800154	14
231	Structural Engineering of Multishelled Hollow Carbon Nanostructures for High-Performance Na-Ion Battery Anode. <b>2018</b> , 8, 1800855	78

230	Engineering of Mesoscale Pores in Balancing Mass Loading and Rate Capability of Hematite Films for Electrochemical Capacitors. <b>2018</b> , 8, 1801784	67
229	A novel lithium-ion hybrid capacitor based on an aerogel-like MXene wrapped Fe <sub>2</sub> O <sub>3</sub> nanosphere anode and a 3D nitrogen sulphur dual-doped porous carbon cathode. <b>2018</b> , 2, 1811-1821	40
228	The Design and Synthesis of Hollow Micro-/Nanostructures: Present and Future Trends. <b>2018</b> , 30, e1800939	218
227	Morphology-dependent electrochemical performance of spinel-cobalt oxide nanomaterials towards lithium-ion batteries. <b>2018</b> , 283, 1668-1678	18
226	Boosting sodium ion storage by anchoring MoO <sub>2</sub> on vertical graphene arrays. <b>2018</b> , 6, 15546-15552	98
225	Structure-designed synthesis of yolk-shell hollow ZnFe <sub>2</sub> O <sub>4</sub> /C@N-doped carbon sub-microspheres as a competitive anode for high-performance Li-ion batteries. <b>2018</b> , 6, 17947-17958	25
224	Rationally designed microspheres consisting of yolk-shell structured FeSe <sub>2</sub> @Fe <sub>2</sub> O <sub>3</sub> nanospheres covered with graphitic carbon for lithium-ion batteries. <b>2018</b> , 6, 15182-15190	33
223	New design on Li-ion battery anode of ternary complex metal/metal oxide@CNT: A case study of hierarchical NiCo-NiCo <sub>2</sub> O <sub>4</sub> @CNTs. <b>2018</b> , 353, 340-349	31
222	Hierarchical Fe <sub>3</sub> O <sub>4</sub> @C nanospheres derived from Fe <sub>2</sub> O <sub>3</sub> /MIL-100(Fe) with superior high-rate lithium storage performance. <b>2018</b> , 755, 154-162	19
221	Controllable construction of flower-like FeS/Fe <sub>2</sub> O <sub>3</sub> composite for lithium storage. <b>2018</b> , 392, 193-199	33
220	Interface-engineered hematite nanocones as binder-free electrodes for high-performance lithium-ion batteries. <b>2018</b> , 6, 13968-13974	13
219	Pseudocapacitive behavior of the FeO anode and its contribution to high reversible capacity in lithium ion batteries. <b>2018</b> , 10, 18010-18018	42
218	Fe <sub>2</sub> O <sub>3</sub> @C core-shell nanotubes: Porous Fe <sub>2</sub> O <sub>3</sub> nanotubes derived from MIL-88A as cores and carbon as shells for high power lithium ion batteries. <b>2018</b> , 769, 969-976	47
217	A novel hierarchical precursor of densely integrated hydroxide nanoflakes on oxide microspheres toward high-performance layered Ni-rich cathode for lithium ion batteries. <b>2018</b> , 2, 1822-1828	12
216	Electrochemical studies of MgFe <sub>2</sub> O <sub>4</sub> @TiO <sub>2</sub> core-shell nanospheres as anode material for lithium battery applications. <b>2018</b> , 29, 17872-17880	6
215	Scalable fabrication of ZnxCd <sub>1-x</sub> S double-shell hollow nanospheres for highly efficient hydrogen production. <b>2018</b> , 239, 309-316	64
214	Effect of passivating Al <sub>2</sub> O <sub>3</sub> thin films on MnO <sub>2</sub> /carbon nanotube composite lithium-ion battery anodes. <b>2018</b> , 20, 1	7
213	Tailoring hollow microflower-shaped CoSe anodes in sodium ion batteries with high cycling stability. <b>2018</b> , 54, 10507-10510	40

212	Nano-resolves-Enabled Elegant Nanostructured Materials. <b>2018</b> , 24, 14598-14607	5
211	Enhanced electrochemical performance of W incorporated VO <sub>2</sub> nanocomposite cathode material for lithium battery application. <b>2018</b> , 282, 480-489	11
210	Recent progress of NiCo <sub>2</sub> O <sub>4</sub> -based anodes for high-performance lithium-ion batteries. <b>2018</b> , 22, 109-126	102
209	Functionalization of Hollow Nanomaterials for Catalytic Applications: Nanoreactor Construction. <b>2019</b> , 31, e1800426	147
208	Iron fumarate as large-capacity and long-life anode material for Li-ion battery boosted by conductive Fe <sub>2</sub> P decorating. <b>2019</b> , 809, 151826	7
207	Design and synthesis of carbon-coated Fe <sub>2</sub> O <sub>3</sub> @Fe <sub>3</sub> O <sub>4</sub> heterostructured as anode materials for lithium ion batteries. <b>2019</b> , 495, 143590	63
206	Controllable synthesis of multi-shelled NiCoO hollow spheres catalytically for the thermal decomposition of ammonium perchlorate.. <b>2019</b> , 9, 23888-23893	5
205	MnCo <sub>2</sub> S <sub>4</sub> /FeCo <sub>2</sub> S <sub>4</sub> Ellipsoid Arrays on a hollow N-doped carbon skeleton as flexible electrodes for hybrid supercapacitors. <b>2019</b> , 7, 20778-20789	44
204	Refilling Nitrogen to Oxygen Vacancies in Ultrafine Tungsten Oxide Clusters for Superior Lithium Storage. <b>2019</b> , 9, 1902148	32
203	Cl/SO-Codoped Poly(3,4-ethylenedioxythiophene) That Interpenetrates and Encapsulates Porous FeO To Form Composite Nanoframeworks for Stable Lithium-Ion Batteries. <b>2019</b> , 11, 30801-30809	10
202	In situ Mössbauer analysis of bacterial iron-oxide nano-particles for lithium-ion battery. <b>2019</b> , 240, 1	4
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200	Asymmetric reaction pathway of Na <sup>+</sup> -ion during fast cycling in Bi and Fe <sub>2</sub> O <sub>3</sub> thin film anode for sodium-ion battery. <b>2019</b> , 25, 5857-5868	9
199	A labyrinth-like network electrode design for lithium-sulfur batteries. <b>2019</b> , 11, 14648-14653	8
198	2D Fe <sub>2</sub> O <sub>3</sub> nanosheets with bi-continuous pores inherited from Fe-MOF precursors: an advanced anode material for Li-ion half/full batteries. <b>2019</b> , 6, 045022	20
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196	Quantifying the Trade-Off between Absolute Capacity and Rate Performance in Battery Electrodes. <b>2019</b> , 9, 1901359	28
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189	Selective Laser Melting Titanium with nanonet topography inhibits osteoclast differentiation through MAPK signaling pathway. <b>2019</b> , 30, 100-100	
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187	Synthesis and Electrochemical Energy Storage Applications of Micro/Nanostructured Spherical Materials. <b>2019</b> , 9,	6
186	Review on niobium-based chalcogenides for electrochemical energy storage devices: Application and progress. <b>2019</b> , 65, 104049	33
185	Rodlike FeSe <sub>2</sub> derived from metal organic gel wrapped with reduced graphene as an anode material with excellent performance for lithium-ion batteries. <b>2019</b> , 323, 134817	22
184	Direct preparation of Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> hollow microspheres using cathode plasma electrolytic deposition. <b>2019</b> , 45, 24919-24922	2
183	Clean synthesis of ZnCo <sub>2</sub> O <sub>4</sub> @ZnCo-LDHs yolk-shell nanospheres composed of ultra-thin nanosheets with enhanced electrocatalytic properties. <b>2019</b> , 6, 220-225	10
182	Monodisperse tin nanoparticles and hollow tin oxide nanospheres as anode materials for high performance lithium ion batteries. <b>2019</b> , 6, 473-476	10
181	Yolk-shell structured SnSe as a high-performance anode for Na-ion batteries. <b>2019</b> , 6, 562-565	27
180	Flexible all-solid-state fiber-shaped NiFe batteries with high electrochemical performance. <b>2019</b> , 7, 520-530	47
179	Designing oxygen bonding between reduced graphene oxide and multishelled Mn <sub>3</sub> O <sub>4</sub> hollow spheres for enhanced performance of supercapacitors. <b>2019</b> , 7, 6686-6694	71
178	Biogenic Hematite from Bacteria: Facile Synthesis of Secondary Nanoclusters for Lithium Storage Capacity. <b>2019</b> , 11, 6948-6957	7
177	Microwave-assisted synthesis of three-dimensional MXene derived metal oxide/carbon nanotube/iron hybrids for enhanced lithium-ions storage. <b>2019</b> , 835, 205-211	13

176	Multi nitrogen doped small honeycomb structure: investigation of their on SEM and TEM microscopy dynamic hierarchal self-assembles for high performance anodes lithium ion storage. <b>2019</b> , 6, 085084	
175	Optimization of Von Mises Stress Distribution in Mesoporous $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> /C Hollow Bowls Synergistically Boosts Gravimetric/Volumetric Capacity and High-Rate Stability in Alkali-Ion Batteries. <b>2019</b> , 29, 1902822	35
174	Yolk-shell Prussian blue analogues hierarchical microboxes: Controllably exposing active sites toward enhanced cathode performance for lithium ion batteries. <b>2019</b> , 319, 237-244	14
173	Fluoride-tuned synthesis of hematite micro-spheres coated with ultrafine particles for smart detection of acetone. <b>2019</b> , 522, 294-298	4
172	Hollow Multishelled Structures for Promising Applications: Understanding the Structure-Performance Correlation. <b>2019</b> , 52, 2169-2178	110
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170	Controllable synthesis of 3D Fe <sub>3</sub> O <sub>4</sub> micro-cubes as anode materials for lithium ion batteries. <b>2019</b> , 21, 5050-5058	4
169	Unique structured microspheres with multishells comprising graphitic carbon-coated Fe <sub>3</sub> O <sub>4</sub> hollow nanopowders as anode materials for high-performance Li-ion batteries. <b>2019</b> , 7, 15766-15773	40
168	Hollow Multi-Shelled Structural TiO <sub>2</sub> with Multiple Spatial Confinement for Long-Life Lithium-Sulfur Batteries. <b>2019</b> , 58, 9078-9082	100
167	Hollow Multi-Shelled Structural TiO <sub>2</sub> with Multiple Spatial Confinement for Long-Life Lithium-Sulfur Batteries. <b>2019</b> , 131, 9176-9180	33
166	Design of three-dimensional hierarchical TiO <sub>2</sub> /SrTiO <sub>3</sub> heterostructures towards selective CO <sub>2</sub> photoreduction. <b>2019</b> , 6, 1667-1674	20
165	Synthesis and electrochemical properties of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> porous microrods as anode for lithium-ion batteries. <b>2019</b> , 794, 333-340	12
164	Hybrid mesoporous silica nanospheres modified by poly (NIPAM-co-AA) for drug delivery. <b>2019</b> , 30, 355604	10
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161	The Mn-promoted double-shelled CaCO <sub>3</sub> hollow microspheres as high efficient CO <sub>2</sub> adsorbents. <b>2019</b> , 372, 53-64	19
160	Highly Porous Double-Shelled Hollow Hematite Nanoparticles for Gas Sensing. <b>2019</b> , 2, 2347-2357	27
159	Fe <sub>3</sub> O <sub>4</sub> quantum dots embedded in porous carbon microspheres for long-life lithium-ion batteries. <b>2019</b> , 12, 269-276	13

158	Coordination competition-driven synthesis of triple-shell hollow $\text{Fe}_2\text{O}_3$ microspheres for lithium ion batteries. <b>2019</b> , 306, 151-158	14
157	Natural chalcopyrite as a sulfur source and its electrochemical performance for lithium-sulfur batteries. <b>2019</b> , 6, 1217-1227	5
156	A sandwich-type sulfur cathode based on multifunctional ceria hollow spheres for high-performance lithium-sulfur batteries. <b>2019</b> , 3, 1317-1322	15
155	Carbon framework microbelt supporting $\text{SnO}$ as a high performance electrode for lithium ion batteries. <b>2019</b> , 30, 325405	9
154	$\text{Sb}_2\text{O}_5/\text{Co}$ -containing carbon polyhedra as anode material for high-performance lithium-ion batteries. <b>2019</b> , 370, 800-809	57
153	Flute-like $\text{Fe}_2\text{O}_3$ Nanorods with Modulating Porosity for High Performance Anode Materials in Lithium Ion Batteries. <b>2019</b> , 4, 3681-3689	2
152	Hierarchical nanoporous $\text{Ni}(\text{Cu})$ alloy anchored on amorphous $\text{NiFeP}$ as efficient bifunctional electrocatalysts for hydrogen evolution and hydrazine oxidation. <b>2019</b> , 373, 180-189	45
151	Multishelled Transition Metal-Based Microspheres: Synthesis and Applications for Batteries and Supercapacitors. <b>2019</b> , 15, e1804737	38
150	Self-templated formation of $\text{CuCo}_2\text{O}_4$ triple-shelled hollow microspheres for all-solid-state asymmetric supercapacitors. <b>2019</b> , 787, 694-699	22
149	Photocatalytic wastewater purification under visible light irradiation using bismuth molybdate hollow microspheres with high surface area. <b>2019</b> , 221, 582-586	38
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146	Easy synthesis of multi-shelled ZnO hollow spheres and their conversion into hedgehog-like ZnO hollow spheres with superior rate performance for lithium ion batteries. <b>2019</b> , 464, 472-478	98
145	$\text{Fe}_2\text{O}_3$ anchored on porous N doped carbon derived from green microalgae via spray pyrolysis as anode materials for lithium ion batteries. <b>2019</b> , 69, 39-47	19
144	Highly reversible alloying/dealloying behavior of $\text{SnSb}$ nanoparticles incorporated into N-rich porous carbon nanowires for ultra-stable Na storage. <b>2019</b> , 21, 203-209	30
143	Applications of 2D MXenes in energy conversion and storage systems. <b>2019</b> , 48, 72-133	878
142	$\text{Fe}_2\text{O}_3$ hollow microspheres assembled by ultra-thin nanoflakes exposed with (241) high-index facet: Solvothermal synthesis, lithium storage performance, and superparamagnetic property. <b>2019</b> , 44, 1070-1077	7
141	A facile and surfactant-free synthesis of porous hollow $\text{MnO}_2$ 3D nanoarchitectures for lithium ion batteries with superior performance. <b>2019</b> , 778, 37-46	28

140	Enhanced lithium storage by ZnFe <sub>2</sub> O <sub>4</sub> nanofibers as anode materials for lithium-ion battery. <b>2019</b> , 296, 565-574	39
139	Triple-Shelled Manganese-Cobalt Oxide Hollow Dodecahedra with Highly Enhanced Performance for Rechargeable Alkaline Batteries. <b>2019</b> , 58, 996-1001	76
138	Triple-Shelled Manganese-Cobalt Oxide Hollow Dodecahedra with Highly Enhanced Performance for Rechargeable Alkaline Batteries. <b>2019</b> , 131, 1008-1013	16
137	Encapsulation of Fe <sub>2</sub> O <sub>3</sub> /NiO and Fe <sub>2</sub> O <sub>3</sub> /Co <sub>3</sub> O <sub>4</sub> nanosheets into conductive polypyrrole for superior lithium ion storage. <b>2019</b> , 296, 438-449	24
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134	Hollow Multishelled Structure of Heterogeneous Co <sub>3</sub> O <sub>4</sub> @Fe <sub>2</sub> O <sub>3</sub> Nanocomposite for CO Catalytic Oxidation. <b>2019</b> , 29, 1806588	55
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126	Porous iron vanadate nanowire arrays on Ti foil as a high-performance lithium-ion battery. <b>2019</b> , 465, 1047-1054	13
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123	Synthesis of Single-Component Metal Oxides with Controllable Multi-Shelled Structure and their Morphology-Related Applications. <b>2020</b> , 20, 102-119	43

122	Solvent-free template synthesis of SnO <sub>2</sub> /C hybrid hollow spheres for superior lithium-sulfur batteries. <b>2020</b> , 239, 122070	12
121	Sonochemical self-growth of functionalized titanium carbide nanorods on Ti <sub>3</sub> C <sub>2</sub> nanosheets for high capacity anode for lithium-ion batteries. <b>2020</b> , 181, 107583	23
120	Microstructures and electrochemical properties of Co <sub>3</sub> O <sub>4</sub> anodes coated by silane coupling agents. <b>2020</b> , 816, 152623	5
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118	In situ fabrication of hierarchical iron oxide spheres@N-doped 3D porous graphene aerogel for superior lithium storage. <b>2020</b> , 26, 2303-2314	5
117	Reversible, stable Li-ion storage in 2 D single crystal orthorhombic HfMoO anodes. <b>2020</b> , 565, 197-204	9
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115	Anion replacement in silver chlorobromide nanocubes: two distinct hollowing mechanisms. <b>2020</b> , 4, 524-531	2
114	Controllable Synthesis of Hollow Multishell Structured Co <sub>3</sub> O <sub>4</sub> with Improved Rate Performance and Cyclic Stability for Supercapacitors. <b>2020</b> , 36, 68-73	39
113	One-dimensional Mg <sup>2+</sup> -induced HfFe <sub>2</sub> O <sub>3</sub> nanowires for high-performance supercapacitor. <b>2020</b> , 5, 100052	1
112	In situ synthesis and electrochemical properties of sawtooth-like Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> /K <sub>0.8</sub> Ti <sub>1.73</sub> Li <sub>0.27</sub> O <sub>4</sub> as anode material for lithium-ion batteries. <b>2020</b> , 856, 113637	0
111	Self-organized bowl-like hollow carbon submicrospheres with hierarchical mesopore-rich structure as superior electrode materials for supercapacitors. <b>2020</b> , 509, 144841	6
110	Coaxial structure of NiFe <sub>2</sub> O <sub>4</sub> /CNTs composites as anodes for enhanced lithium ion batteries. <b>2020</b> , 820, 153085	15
109	CoO Quantum Dots Anchored on Reduced Graphene Oxide Aerogels for Lithium-Ion Storage. <b>2020</b> , 3, 10369-10379	5
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104	Metal-Organic Framework-Derived Nitrogen-Doped Cobalt Nanocluster Inlaid Porous Carbon as High-Efficiency Catalyst for Advanced Potassium-Sulfur Batteries. <b>2020</b> , 14, 16022-16035	23
103	All-In-One Stainless-Steel Mesh Oxide Composites Anode for Flexible Li-Ion Battery. <b>2020</b> , 5, 2000376	4
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101	Nanosheets-assembled Ni (Co) doped CeO <sub>2</sub> microspheres toward NO + CO reaction. <b>2020</b> , 602, 117728	4
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- 2 Preparation of Anode Material of Lithium-Ion Battery by Spent Pickling Liquor. ○
- 1 A Universal Formation Mechanism of Hollow Multi-Shelled Structures Dominated by Concentration Waves. ○