

# CITATION REPORT

List of articles citing

Graphene anchored with  $\text{Co(3)O(4)}$  nanoparticles as anode of lithium ion batteries with enhanced reversible capacity and cyclic performance

DOI: 10.1021/nn100740x  
ACS Nano, 2010, 4, 3187-94.

**Source:** <https://exaly.com/paper-pdf/49642144/citation-report.pdf>

**Version:** 2024-04-28

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

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

#	Paper	IF	Citations
2287	Carbon Encapsulated Hollow Co <sub>3</sub> O <sub>4</sub> Composites Derived from Reduced Graphene Oxide Wrapped MetalOrganic Frameworks with Enhanced Lithium Storage and Water Oxidation Properties.		
2286	Graphene-Embedded Co <sub>3</sub> O <sub>4</sub> Rose-Spheres for Enhanced Performance in Lithium Ion Batteries.		
2285	.		
2284	Hierarchical Porous Nickel Cobaltate Nanoneedle Arrays as Flexible Carbon-Protected Cathodes for High-Performance LithiumOxygen Batteries.		
2283	Low Li <sup>+</sup> Insertion Barrier Carbon for High Energy Efficient Lithium-Ion Capacitor.		
2282	A facile method to improve the high rate capability of Co <sub>3</sub> O <sub>4</sub> nanowire array electrodes. <b>2010</b> , 3, 895-901		153
2281	Enhanced cycling performance of Fe <sub>3</sub> O <sub>4</sub> /graphene nanocomposite as an anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2010</b> , 56, 834-840	6.7	367
2280	A BRIEF REVIEW ON GRAPHENE-NANOPARTICLE COMPOSITES. <b>2010</b> , 06, 159-166		19
2279	Facile covalent immobilization of cadmium sulfide quantum dots on graphene oxide nanosheets: preparation, characterization, and optical properties. <b>2010</b> , 21, 465603		76
2278	Mn <sub>3</sub> O <sub>4</sub> -graphene hybrid as a high-capacity anode material for lithium ion batteries. <b>2010</b> , 132, 13978-80		1738
2277	Development of graphene-based materials for energy storage. <b>2010</b> ,		1
2276	Graphene Platelets and their Manganese Composites for Lithium- Ion Batteries. <b>2010</b> , 33, 23-32		7
2275	Graphene-Wrapped Fe <sub>3</sub> O <sub>4</sub> Anode Material with Improved Reversible Capacity and Cyclic Stability for Lithium Ion Batteries. <b>2010</b> , 22, 5306-5313		1660
2274	High-energy MnO <sub>2</sub> nanowire/graphene and graphene asymmetric electrochemical capacitors. <i>ACS Nano</i> , <b>2010</b> , 4, 5835-42	16.7	1331
2273	Graphene-wrapped TiO <sub>2</sub> hollow structures with enhanced lithium storage capabilities. <b>2011</b> , 3, 2158-61		218
2272	One-pot synthesis of functional two-dimensional graphene/SnO <sub>2</sub> composite nanosheets as a building block for self-assembly and an enhancing nanomaterial for biosensing. <b>2011</b> , 21, 16911		57
2271	SnSe <sub>2</sub> nanoplate-graphene composites as anode materials for lithium ion batteries. <b>2011</b> , 47, 5241-3		179

2270	Highly dispersed ultrafine Pt and PtRu nanoparticles on graphene: formation mechanism and electrocatalytic activity. <b>2011</b> , 3, 569-71	141
2269	In situ synthesis of high-loading Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> -graphene hybrid nanostructures for high rate lithium ion batteries. <b>2011</b> , 3, 572-4	177
2268	Functionalization of PNIPAAm microgels using magnetic graphene and their application in microreactors as switch materials. <b>2011</b> , 21, 10512	23
2267	Synergetic approach to achieve enhanced lithium ion storage performance in ternary phased SnO <sub>2</sub> Be <sub>2</sub> O <sub>3</sub> /rGO composite nanostructures. <b>2011</b> , 21, 12770	76
2266	Self-assembled lithium manganese oxide nanoparticles on carbon nanotube or graphene as high-performance cathode material for lithium-ion batteries. <b>2011</b> , 21, 17297	55
2265	Single-walled carbon nanohorns coated with Fe <sub>2</sub> O <sub>3</sub> as a superior anode material for lithium ion batteries. <b>2011</b> , 47, 7416-8	120
2264	A facile synthesis and lithium storage properties of Co <sub>3</sub> O <sub>4</sub> @C hybrid core-shell and hollow spheres. <b>2011</b> , 21, 17998	55
2263	Template free electrochemical deposition of ZnSb nanotubes for Li ion battery anodes. <b>2011</b> , 47, 9849-51	33
2262	Nanohybridization of ferrocene clusters and reduced graphene oxides with enhanced lithium storage capability. <b>2011</b> , 47, 10383-5	31
2261	Iron sulfide-embedded carbon microsphere anode material with high-rate performance for lithium-ion batteries. <b>2011</b> , 47, 8653-5	145
2260	l-Serine-Assisted Synthesis of Superparamagnetic Fe <sub>3</sub> O <sub>4</sub> Nanocubes for Lithium Ion Batteries. <b>2011</b> , 115, 24688-24695	60
2259	Flexible holey graphene paper electrodes with enhanced rate capability for energy storage applications. <i>ACS Nano</i> , <b>2011</b> , 5, 8739-49	16.7 434
2258	Nanomaterials for Alternative Energy. <b>2011</b> , 199-246	
2257	Co <sub>3</sub> O <sub>4</sub> @graphene composites as anode materials for high-performance lithium ion batteries. <b>2011</b> , 50, 1628-32	324
2256	Single-layer MoS <sub>2</sub> /graphene dispersed in amorphous carbon: towards high electrochemical performances in rechargeable lithium ion batteries. <b>2011</b> , 21, 17175	264
2255	In situ synthesis of MoS <sub>2</sub> /graphene nanosheet composites with extraordinarily high electrochemical performance for lithium ion batteries. <b>2011</b> , 47, 4252-4	712
2254	Ultralong single crystalline V <sub>2</sub> O <sub>5</sub> nanowire/graphene composite fabricated by a facile green approach and its lithium storage behavior. <b>2011</b> , 4, 4000	228
2253	Supported Cobalt Oxide Nanoparticles As Catalyst for Aerobic Oxidation of Alcohols in Liquid Phase. <b>2011</b> , 1, 342-347	154

2252	Existing and emerging strategies for the synthesis of nanoscale heterostructures. <b>2011</b> , 13, 19256-69		10
2251	Multilayer nanoassembly of Sn-nanopillar arrays sandwiched between graphene layers for high-capacity lithium storage. <b>2011</b> , 4, 3611		204
2250	L-cysteine-assisted synthesis of layered MoS <sub>2</sub> /graphene composites with excellent electrochemical performances for lithium ion batteries. <i>ACS Nano</i> , <b>2011</b> , 5, 4720-8	16.7	1409
2249	Improved performances of Ni(OH) <sub>2</sub> @reduced-graphene-oxide in Ni-MH and Li-ion batteries. <b>2011</b> , 47, 3159-61		113
2248	Magnetite/graphene nanosheet composites: interfacial interaction and its impact on the durable high-rate performance in lithium-ion batteries. <b>2011</b> , 1, 782		288
2247	SnO <sub>2</sub> /graphene Composite Synthesized via an Ultrafast and Environmentally Friendly Microwave Autoclave Method and Its Use as a Superior Anode for Lithium-Ion Batteries. <b>2011</b> , 115, 25115-25120		138
2246	Graphene-encapsulated hollow Fe <sub>3</sub> O <sub>4</sub> nanoparticle aggregates as a high-performance anode material for lithium ion batteries. <b>2011</b> , 3, 3078-83		271
2245	A one-pot microwave-assisted non-aqueous sol-gel approach to metal oxide/graphene nanocomposites for Li-ion batteries. <b>2011</b> , 1, 1687		72
2244	Superparamagnetic Fe <sub>3</sub> O <sub>4</sub> nanocrystals@graphene composites for energy storage devices. <b>2011</b> , 21, 5069		316
2243	Cu <sub>2</sub> O@reduced graphene oxide composite for removal of contaminants from water and supercapacitors. <b>2011</b> , 21, 10645		183
2242	Nanoweb anodes composed of one-dimensional, high aspect ratio, size tunable electrospun ZnFe <sub>2</sub> O <sub>4</sub> nanofibers for lithium ion batteries. <b>2011</b> , 21, 14999		197
2241	Free-Standing Layer-By-Layer Hybrid Thin Film of Graphene-MnO <sub>2</sub> Nanotube as Anode for Lithium Ion Batteries. <b>2011</b> , 2, 1855-1860		251
2240	Monolayer graphene/NiO nanosheets with two-dimension structure for supercapacitors. <b>2011</b> , 21, 18792		277
2239	Synthesis of foam-like freestanding Co <sub>3</sub> O <sub>4</sub> nanosheets with enhanced electrochemical activities. <b>2011</b> , 47, 3469-71		124
2238	MoO <sub>3</sub> nanoparticles dispersed uniformly in carbon matrix: a high capacity composite anode for Li-ion batteries. <b>2011</b> , 21, 9350		120
2237	Fabrication of Co <sub>3</sub> O <sub>4</sub> -reduced graphene oxide scrolls for high-performance supercapacitor electrodes. <b>2011</b> , 13, 14462-5		192
2236	Self-assembled hierarchical MoO <sub>2</sub> /graphene nanoarchitectures and their application as a high-performance anode material for lithium-ion batteries. <i>ACS Nano</i> , <b>2011</b> , 5, 7100-7	16.7	548
2235	Graphene based new energy materials. <b>2011</b> , 4, 1113		1637

2234	Facile synthesis of metal oxide/reduced graphene oxide hybrids with high lithium storage capacity and stable cyclability. <b>2011</b> , 3, 1084-9	330
2233	Inorganic nanostructures grown on graphene layers. <b>2011</b> , 3, 3522-33	72
2232	Light-activated covalent formation of gold nanoparticle-graphene and gold nanoparticle-glass composites. <b>2011</b> , 27, 13261-8	59
2231	Enhancing the lithium storage performance of iron oxide composites through partial substitution with Ni <sup>2+</sup> or Co <sup>2+</sup> . <b>2011</b> , 21, 19101	38
2230	A hybrid material of vanadium nitride and nitrogen-doped graphene for lithium storage. <b>2011</b> , 21, 11916	83
2229	Tailoring oxidation degrees of graphene oxide by simple chemical reactions. <b>2011</b> , 99, 053114	39
2228	Fe <sub>3</sub> O <sub>4</sub> nanoparticle-integrated graphene sheets for high-performance half and full lithium ion cells. <b>2011</b> , 13, 7170-7	229
2227	Facile synthesis of two-dimensional graphene/SnO <sub>2</sub> /Pt ternary hybrid nanomaterials and their catalytic properties. <b>2011</b> , 3, 4376-82	67
2226	SnO <sub>2</sub> nanosheets grown on graphene sheets with enhanced lithium storage properties. <b>2011</b> , 47, 7155-7	367
2225	Enhanced rate performance and cyclic stability of Fe <sub>3</sub> O <sub>4</sub> -graphene nanocomposites for Li ion battery anodes. <b>2011</b> , 47, 10371-3	120
2224	Graphene-based nanomaterials for energy storage. <b>2011</b> , 4, 668-674	1042
2223	The role of nanomaterials in redox-based supercapacitors for next generation energy storage devices. <b>2011</b> , 3, 839-55	681
2222	Fe <sub>3</sub> O <sub>4</sub> /Graphene Nanocomposites with Improved Lithium Storage and Magnetism Properties. <b>2011</b> , 115, 14469-14477	421
2221	Magnetically Separable ZnFe <sub>2</sub> O <sub>4</sub> /Graphene Catalyst and its High Photocatalytic Performance under Visible Light Irradiation. <b>2011</b> , 50, 7210-7218	458
2220	Sol-gel synthesis and electrochemical performance of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /graphene composite anode for lithium-ion batteries. <b>2011</b> , 509, 7205-7209	87
2219	In situ synthesis of Co <sub>3</sub> O <sub>4</sub> /graphene nanocomposite material for lithium-ion batteries and supercapacitors with high capacity and supercapacitance. <b>2011</b> , 509, 7778-7783	134
2218	Graphene-based electrochemical energy conversion and storage: fuel cells, supercapacitors and lithium ion batteries. <b>2011</b> , 13, 15384-402	432
2217	Enhanced anode performances of the Fe <sub>3</sub> O <sub>4</sub> -carbon-rGO three dimensional composite in lithium ion batteries. <b>2011</b> , 47, 10374-6	172

2216	A sandwich structure of graphene and nickel oxide with excellent supercapacitive performance. <b>2011</b> , 21, 9014		115
2215	Mg(OH) <sub>2</sub> @reduced graphene oxide composite for removal of dyes from water. <b>2011</b> , 21, 13765		119
2214	Reduced graphene oxide supported highly porous V <sub>2</sub> O <sub>5</sub> spheres as a high-power cathode material for lithium ion batteries. <b>2011</b> , 3, 4752-8		143
2213	Doped graphene sheets as anode materials with superhigh rate and large capacity for lithium ion batteries. <i>ACS Nano</i> , <b>2011</b> , 5, 5463-71	16.7	1700
2212	Graphene-supported anatase TiO <sub>2</sub> nanosheets for fast lithium storage. <b>2011</b> , 47, 5780-2		289
2211	High lithium storage performance of Fe <sub>2</sub> O <sub>3</sub> /graphene nanocomposites as lithium-ion battery anodes. <b>2011</b> , 13, 1526-1530		66
2210	Synthesis of hydrothermally reduced graphene/MnO <sub>2</sub> composites and their electrochemical properties as supercapacitors. <b>2011</b> , 196, 8160-8165		182
2209	Nanosized Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /graphene hybrid materials with low polarization for high rate lithium ion batteries. <b>2011</b> , 196, 8610-8617		277
2208	Facile synthesis of MnO <sub>2</sub> /graphene nanocomposites and their high performance as lithium-ion battery anode. <b>2011</b> , 65, 2104-2106		68
2207	A facile one-step hydrothermal method to produce graphene/MoO <sub>3</sub> nanorod bundle composites. <b>2011</b> , 65, 2341-2344		32
2206	Preparation and characterization of core-shell structure Fe <sub>3</sub> O <sub>4</sub> /C nanoparticles with unique stability and high electrochemical performance for lithium-ion battery anode material. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 9233-9239	6.7	45
2205	A novel Fe <sub>3</sub> O <sub>4</sub> /SnO <sub>2</sub> /graphene ternary nanocomposite as an anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2011</b> , 58, 81-88	6.7	68
2204	Graphene modified LiFePO <sub>4</sub> cathode materials for high power lithium ion batteries. <b>2011</b> , 21, 3353		420
2203	Liquid-phase exfoliation, functionalization and applications of graphene. <b>2011</b> , 3, 2118-26		241
2202	Recent developments in nanostructured anode materials for rechargeable lithium-ion batteries. <b>2011</b> , 4, 2682		1848
2201	Graphene nanosheet: synthesis, molecular engineering, thin film, hybrids, and energy and analytical applications. <b>2011</b> , 40, 2644-72		1085
2200	Graphene Nanosheet/Ni <sup>2+</sup> /Al <sup>3+</sup> Layered Double-Hydroxide Composite as a Novel Electrode for a Supercapacitor. <b>2011</b> , 23, 3509-3516		470
2199	One-step electrochemical synthesis of PtNi nanoparticle-graphene nanocomposites for nonenzymatic amperometric glucose detection. <b>2011</b> , 3, 3049-57		323

2198	Cellulose scaffolds modulated synthesis of Co <sub>3</sub> O <sub>4</sub> nanocrystals: preparation, characterization and properties. <b>2011</b> , 18, 1273-1283		7
2197	3-D mesoporous nano/micro-structured Fe <sub>3</sub> O <sub>4</sub> /C as a superior anode material for lithium-ion batteries. <b>2011</b> , 15, 2563-2569		41
2196	Cobalt oxide/graphene nanocomposite as anode materials for lithium-ion batteries. <b>2011</b> , 15, 2587-2592		35
2195	Aqueous-phase synthesis of Ag-TiO <sub>2</sub> -reduced graphene oxide and Pt-TiO <sub>2</sub> -reduced graphene oxide hybrid nanostructures and their catalytic properties. <b>2011</b> , 4, 1153-1162		58
2194	Graphene-based materials: synthesis, characterization, properties, and applications. <b>2011</b> , 7, 1876-902		1968
2193	Battery Performance and Photocatalytic Activity of Mesoporous Anatase TiO <sub>2</sub> Nanospheres/Graphene Composites by Template-Free Self-Assembly. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 1717-1722	15.6	558
2192	Functional composite materials based on chemically converted graphene. <b>2011</b> , 23, 1089-115		859
2191	Hydrothermal synthesis of MoO <sub>3</sub> nanobelt-graphene composites. <b>2011</b> , 46, 1195-1201		51
2190	Graphene-encapsulated Fe <sub>3</sub> O <sub>4</sub> nanoparticles with 3D laminated structure as superior anode in lithium ion batteries. <b>2011</b> , 17, 661-7		374
2189	Semiconductor/reduced graphene oxide nanocomposites derived from photocatalytic reactions. <i>Catalysis Today</i> , <b>2011</b> , 164, 353-357	5.3	155
2188	A SnO <sub>2</sub> /graphene composite as a high stability electrode for lithium ion batteries. <i>Carbon</i> , <b>2011</b> , 49, 133-139	10.4	358
2187	A simple one-pot strategy for the synthesis of ternary reduced graphite oxide/SnO <sub>2</sub> /Au hybrid nanomaterials. <i>Carbon</i> , <b>2011</b> , 49, 3538-3543	10.4	31
2186	SnO <sub>2</sub> /graphene/carbon nanotube mixture for anode material with improved rate capacities. <i>Carbon</i> , <b>2011</b> , 49, 4524-4534	10.4	192
2185	One-step reduction of graphene oxide with l-glutathione. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2011</b> , 384, 543-548	5.1	155
2184	Synthesis and electrochemical performance of LiV <sub>3</sub> O <sub>8</sub> /carbon nanosheet composite as cathode material for lithium-ion batteries. <b>2011</b> , 71, 343-349		50
2183	CuO/graphene composite as anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 2306-2311	6.7	339
2182	Preparation and electrochemical characterization of MnOOH nanowire/graphene oxide. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 5010-5015	6.7	52
2181	Synthesis and characterization of graphene/nickel oxide nanostructures for fast charge/discharge application. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 5815-5822	6.7	119

2180	Molten hydroxides synthesis of hierarchical cobalt oxide nanostructure and its application as anode material for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 4876-4881	6.7	38
2179	Synthesis of Co <sub>3</sub> O <sub>4</sub> /Carbon composite nanowires and their electrochemical properties. <b>2011</b> , 196, 6987-6991		113
2178	Facile preparation and electrochemical characterization of cobalt oxide/multi-walled carbon nanotube composites for supercapacitors. <b>2011</b> , 196, 7841-7846		120
2177	Graphene based materials: Past, present and future. <b>2011</b> , 56, 1178-1271		2607
2176	Self-Assembly of Bi <sub>2</sub> Te <sub>3</sub> -Nanoplate/Graphene-Nanosheet Hybrid by One-Pot Route and Its Improved Li-Storage Properties. <i>Materials</i> , <b>2012</b> , 5, 1275-1284	3.5	30
2175	Electrochemically Controlled Nanopore and Crystal Structure Evolution in Zinc Oxide Nanorods. <b>2012</b> , 159, A2143-A2147		8
2174	Highly reversible conversion-capacity of MnO <sub>x</sub> -loaded ordered mesoporous carbon nanorods for lithium-ion battery anodes. <b>2012</b> , 22, 17870		63
2173	Development of lithium-ion batteries from micro-structured to nanostructured materials: its issues and challenges. <b>2012</b> , 95, 283-314		6
2172	Shape-Controlled Synthesis of Platinum Nanostructures as Electrocatalyst for PEM Fuel Cell Applications. <b>2012</b> , 415-492		
2171	Highly Stable Metal Mono-Oxide Alloy Nanoparticles and Their Potential as Anode Materials for Li-Ion Battery. <b>2012</b> , 116, 23851-23857		17
2170	Hydrothermal Synthesis of Co <sub>3</sub> O <sub>4</sub> /Graphene for Heterogeneous Activation of Peroxymonosulfate for Decomposition of Phenol. <b>2012</b> , 51, 14958-14965		213
2169	Graphene-based materials for energy applications. <b>2012</b> , 37, 1265-1272		113
2168	Binder-free and carbon-free nanoparticle batteries: a method for nanoparticle electrodes without polymeric binders or carbon black. <b>2012</b> , 12, 5122-30		114
2167	Enhanced optical properties of graphene oxide-Au nanocrystal composites. <b>2012</b> , 28, 321-6		65
2166	Functionalized graphene for high performance lithium ion capacitors. <b>2012</b> , 5, 2328-33		107
2165	Chapter 1:Graphene Functionalization: A Review. <b>2012</b> , 1-52		3
2164	Supercapacitor electrodes with especially high rate capability and cyclability based on a novel Pt nanosphere and cysteine-generated graphene. <b>2012</b> , 14, 10899-903		18
2163	Co <sub>3</sub> O <sub>4</sub> Nanocages for High-Performance Anode Material in Lithium-Ion Batteries. <b>2012</b> , 116, 7227-7235		374

2162	Synthesis of graphene-based nanomaterials and their application in energy-related and environmental-related areas. <b>2012</b> , 2, 9286	203
2161	Beyond Intercalation: Nanoscale-Enabled Conversion Anode Materials for Lithium-Ion Batteries. <b>2012</b> , 85-116	2
2160	Graphene-Based Composite Anodes for Lithium-Ion Batteries. <b>2012</b> , 117-162	2
2159	Determination of chloramphenicol in aquatic products by graphene-based SPE coupled with HPLC-MS/MS. <b>2012</b> , 35, 3586-92	39
2158	Facile and green synthesis of Co <sub>3</sub> O <sub>4</sub> nanoplates/graphene nanosheets composite for supercapacitor. <b>2012</b> , 16, 3593-3602	78
2157	A nanocomposite of graphene/MnO <sub>2</sub> nanoplatelets for high-capacity lithium storage. <b>2012</b> , 42, 1065-1070	31
2156	p(AAGA) hydrogel reactor for in situ Co and Ni nanoparticle preparation and use in hydrogen generation from the hydrolysis of sodium borohydride. <b>2012</b> , 82, 114-120	33
2155	Co <sub>3</sub> O <sub>4</sub> @core-shell nanowire array as an advanced anode material for lithium ion batteries. <b>2012</b> , 22, 15056	187
2154	Porous Co <sub>3</sub> O <sub>4</sub> nanowires derived from long Co(CO <sub>3</sub> )(0.5)(OH)·1.1H <sub>2</sub> O nanowires with improved supercapacitive properties. <b>2012</b> , 4, 2145-9	218
2153	Self-assembled mesoporous CoO nanodisks as a long-life anode material for lithium-ion batteries. <b>2012</b> , 22, 13826	108
2152	3D-hierarchical NiO/graphene nanosheet composites as anodes for lithium ion batteries with improved reversible capacity and cycle stability. <b>2012</b> , 2, 3410	72
2151	Co-based anode materials for alkaline rechargeable Ni/Co batteries: a review. <b>2012</b> , 22, 277-285	42
2150	Electrospun porous ZnCo <sub>2</sub> O <sub>4</sub> nanotubes as a high-performance anode material for lithium-ion batteries. <b>2012</b> , 22, 8916	306
2149	Synthesis of porous Ni@rGO nanocomposite and its synergetic effect on hydrogen sorption properties of MgH <sub>2</sub> . <b>2012</b> , 22, 22542	79
2148	Covalent binding of Si nanoparticles to graphene sheets and its influence on lithium storage properties of Si negative electrode. <b>2012</b> , 22, 3420	87
2147	ZnV <sub>2</sub> O <sub>4</sub> @MK nanocomposite as an anode material for rechargeable lithium-ion batteries. <b>2012</b> , 22, 14284	62
2146	Simultaneous reduction, exfoliation and functionalization of graphite oxide into a graphene-platinum nanoparticle hybrid for methanol oxidation. <b>2012</b> , 22, 6953	52
2145	In situ synthesis of a graphene/titanium nitride hybrid material with highly improved performance for lithium storage. <b>2012</b> , 22, 4938	65

2144	Synthesis, characterization and application of carbon nanocages as anode materials for high-performance lithium-ion batteries. <b>2012</b> , 2, 284-291	58
2143	Facile synthesis of a interleaved expanded graphite-embedded sulphur nanocomposite as cathode of LiB batteries with excellent lithium storage performance. <b>2012</b> , 22, 4744	174
2142	Ni/C Hierarchical Nanostructures with Ni Nanoparticles Highly Dispersed in N-Containing Carbon Nanosheets: Origin of Li Storage Capacity. <b>2012</b> , 116, 23974-23980	180
2141	Mutually Enhanced Capacitances in Carbon Nanofiber/Cobalt Hydroxide Composite Paper for Supercapacitor. <b>2012</b> , 159, A485-A491	23
2140	Rapid microwave-assisted synthesis of Mn <sub>3</sub> O <sub>4</sub> /graphene nanocomposite and its lithium storage properties. <b>2012</b> , 22, 3600	168
2139	Nanocrystal-constructed mesoporous single-crystalline CoO nanobelts with superior rate capability for advanced lithium-ion batteries. <b>2012</b> , 4, 5974-80	178
2138	Atomic Layer Deposition of TiO <sub>2</sub> on Graphene for Supercapacitors. <b>2012</b> , 159, A364-A369	167
2137	In situ formation of hollow graphitic carbon nanospheres in electrospun amorphous carbon nanofibers for high-performance Li-based batteries. <b>2012</b> , 4, 6800-5	83
2136	Facile synthesis of single-crystalline mesoporous Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>3</sub> O <sub>4</sub> nanorods as anode materials for lithium-ion batteries. <b>2012</b> , 22, 20566	141
2135	Coral-like MnS composites with N-doped carbon as anode materials for high-performance lithium-ion batteries. <b>2012</b> , 22, 24026	115
2134	Aligned NiO nanoflake arrays grown on copper as high capacity lithium-ion battery anodes. <b>2012</b> , 22, 19821	102
2133	Hydrothermal synthesis and characterization of graphene/self-assembled SnO <sub>2</sub> hybrid. <b>2012</b> , 44, 1931-1935	14
2132	Enhanced capacitive deionization performance of graphene/carbon nanotube composites. <b>2012</b> , 22, 14696	276
2131	Graphene-based materials for catalysis. <b>2012</b> , 2, 54-75	791
2130	Copper Ferrite-Graphene Hybrid: A Multifunctional Heteroarchitecture for Photocatalysis and Energy Storage. <b>2012</b> , 51, 11700-11709	166
2129	Two-dimensional carbon-coated graphene/metal oxide hybrids for enhanced lithium storage. <i>ACS Nano</i> , <b>2012</b> , 6, 8349-56	16.7 378
2128	Nonenzymatic amperometric organic peroxide sensor based on nano-cobalt phthalocyanine loaded functionalized graphene film. <b>2012</b> , 712, 64-71	21
2127	Flower-like SnO <sub>2</sub> /graphene composite for high-capacity lithium storage. <i>Applied Surface Science</i> , <b>2012</b> , 258, 4917-4921	6.7 90

2126	Graphene/Si multilayer structure anodes for advanced half and full lithium-ion cells. <b>2012</b> , 1, 164-171		134
2125	Graphene/metal oxide composite electrode materials for energy storage. <b>2012</b> , 1, 107-131		1507
2124	Could graphene construct an effective conducting network in a high-power lithium ion battery?. <b>2012</b> , 1, 429-439		160
2123	A novel solution combustion synthesis of cobalt oxide nanoparticles as negative-electrode materials for lithium ion batteries. <b>2012</b> , 513, 592-596		49
2122	MnO/reduced graphene oxide sheet hybrid as an anode for Li-ion batteries with enhanced lithium storage performance. <b>2012</b> , 216, 201-207		177
2121	Graphene anchored with Fe <sub>3</sub> O <sub>4</sub> nanoparticles as anode for enhanced Li-ion storage. <b>2012</b> , 217, 85-91		102
2120	Mesoporous Co <sub>3</sub> O <sub>4</sub> materials obtained from cobalt nitrate complex and their high capacitance behavior. <b>2012</b> , 217, 358-363		33
2119	A synthesis of graphene/Co <sub>3</sub> O <sub>4</sub> thin films for lithium ion battery anodes by coelectrodeposition. <b>2012</b> , 22, 93-96		68
2118	NiO nanoparticles with plate structure grown on graphene as fast charge/discharge anode material for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2012</b> , 78, 406-411	6.7	77
2117	Ti-based compounds as anode materials for Li-ion batteries. <b>2012</b> , 5, 6652		691
2116	Graphene-based electrodes. <b>2012</b> , 24, 5979-6004		756
2115	Facile shape control of Co <sub>3</sub> O <sub>4</sub> and the effect of the crystal plane on electrochemical performance. <b>2012</b> , 24, 5762-6		336
2114	Controlled Synthesis of PtRu/Graphene Nanocatalysts with Enhanced Methanol Oxidation Activity for Fuel Cells. <b>2012</b> , 4, 1555-1559		23
2113	Ternary Graphene/TiO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> Nanocomposite as a Recollectable Photocatalyst with Enhanced Durability. <b>2012</b> , 2012, 4439-4444		75
2112	Synthesis of graphene-wrapped CuO hybrid materials by CO <sub>2</sub> mineralization. <b>2012</b> , 14, 2391		47
2111	Oxygen bridges between NiO nanosheets and graphene for improvement of lithium storage. <i>ACS Nano</i> , <b>2012</b> , 6, 3214-23	16.7	866
2110	Review on the latest design of graphene-based inorganic materials. <b>2012</b> , 4, 6205-18		81
2109	Graphene and Graphene-Oxide-Based Materials for Electrochemical Energy Systems. <b>2012</b> , 269-301		4

2108	Functionalization of graphene: covalent and non-covalent approaches, derivatives and applications. <b>2012</b> , 112, 6156-214		3041
2107	Tailored graphene-encapsulated mesoporous Co <sub>3</sub> O <sub>4</sub> composite microspheres for high-performance lithium ion batteries. <b>2012</b> , 22, 17278		108
2106	Ultrathin CoO/Graphene Hybrid Nanosheets: A Highly Stable Anode Material for Lithium-Ion Batteries. <b>2012</b> , 116, 20794-20799		142
2105	Facile ultrasonic synthesis of CoO quantum dot/graphene nanosheet composites with high lithium storage capacity. <i>ACS Nano</i> , <b>2012</b> , 6, 1074-81	16.7	440
2104	Ultrasensitive electrochemical immunosensor for CA 15-3 using thionine-nanoporous gold-graphene as a platform and horseradish peroxidase-encapsulated liposomes as signal amplification. <b>2012</b> , 137, 4440-7		43
2103	Controllable synthesis of monodisperse ultrathin SnO <sub>2</sub> nanorods on nitrogen-doped graphene and its ultrahigh lithium storage properties. <b>2012</b> , 4, 5425-30		81
2102	Nanocomposites and macroscopic materials: assembly of chemically modified graphene sheets. <b>2012</b> , 41, 6160-77		262
2101	Generalized syntheses of nanocrystal-graphene hybrids in high-boiling-point organic solvents. <b>2012</b> , 4, 4562-70		21
2100	Ultrasonic synthesis of CoO/graphene nanohybrids as high performance anode materials for lithium-ion batteries. <b>2012</b> , 22, 2517-2522		22
2099	Electrochemical properties of LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> /graphene composite as cathode materials for lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , <b>2012</b> , 683, 88-93	4.1	44
2098	Chitosan-Modified Graphene Electrodes for DNA Mutation Analysis. <i>Journal of Electroanalytical Chemistry</i> , <b>2012</b> , 686, 69-72	4.1	39
2097	Fe <sub>3</sub> O <sub>4</sub> /reduced graphene oxide nanocomposite as high performance anode for lithium ion batteries. <i>Applied Surface Science</i> , <b>2012</b> , 261, 298-305	6.7	50
2096	Synthesis and electrochemical performance of CoO/graphene nanocomposite as anode for lithium ion batteries. <i>Applied Surface Science</i> , <b>2012</b> , 263, 573-578	6.7	43
2095	Graphene modified Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as a high-performance cathode material for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2012</b> , 85, 377-383	6.7	54
2094	Manganese monoxide/titanium nitride composite as high performance anode material for rechargeable Li-ion batteries. <i>Electrochimica Acta</i> , <b>2012</b> , 85, 345-351	6.7	24
2093	Na <sub>0.33</sub> V <sub>2</sub> O <sub>5</sub> ·1.5H <sub>2</sub> O nanorings/nanorods and Na <sub>0.33</sub> V <sub>2</sub> O <sub>5</sub> ·1.5H <sub>2</sub> O/RGO composite fabricated by a facile one pot synthesis and its lithium storage behavior. <b>2012</b> , 227, 30-38		28
2092	Synthesis of graphene nanosheets by the electrolytic exfoliation of graphite and their direct assembly for lithium ion battery anodes. <b>2012</b> , 135, 309-316		14
2091	A facile synthesis and field emission property investigation of Co <sub>3</sub> O <sub>4</sub> nanoparticles decorated graphene. <b>2012</b> , 135, 623-627		12

2090	Improved electrochemical performance of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> with a variable amount of graphene as a conductive agent for rechargeable lithium-ion batteries by solvothermal method. <b>2012</b> , 136, 1044-1051	40
2089	Graphene-based multilayers: Critical evaluation of materials assembly techniques. <b>2012</b> , 7, 430-447	112
2088	Origin of Reduced Graphene Oxide Enhancements in Electrochemical Energy Storage. <b>2012</b> , 2, 807-816	47
2087	Self-assembly of ultrathin porous NiO nanosheets/graphene hierarchical structure for high-capacity and high-rate lithium storage. <b>2012</b> , 22, 2844	236
2086	Co <sub>3</sub> O <sub>4</sub> /Ni(OH) <sub>2</sub> composite mesoporous nanosheet networks as a promising electrode for supercapacitor applications. <b>2012</b> , 22, 5656	407
2085	Novel preparation of nitrogen-doped graphene in various forms with aqueous ammonia under mild conditions. <b>2012</b> , 2, 11249	50
2084	Synergetic effect of Cu and graphene as cocatalyst on TiO <sub>2</sub> for enhanced photocatalytic hydrogen evolution from solar water splitting. <b>2012</b> , 22, 18542	164
2083	Quaternary nanocomposites consisting of graphene, Fe <sub>3</sub> O <sub>4</sub> @Fe core@shell, and ZnO nanoparticles: synthesis and excellent electromagnetic absorption properties. <b>2012</b> , 4, 6436-42	296
2082	Facile synthesis of laminate-structured graphene sheet/Fe <sub>3</sub> O <sub>4</sub> nanocomposites with superior high reversible specific capacity and cyclic stability for lithium-ion batteries. <b>2012</b> , 2, 10680	49
2081	Solvothermal-Assisted Hybridization between Reduced Graphene Oxide and Lithium Metal Oxides: A Facile Route to Graphene-Based Composite Materials. <b>2012</b> , 116, 7269-7279	42
2080	Hollow CoFe <sub>2</sub> O <sub>4</sub> nanospheres as a high capacity anode material for lithium ion batteries. <b>2012</b> , 23, 055402	128
2079	Ni <sub>2</sub> P/Graphene Sheets as Anode Materials with Enhanced Electrochemical Properties versus Lithium. <b>2012</b> , 116, 22217-22225	118
2078	A facile one-step method to produce Ni/graphene nanocomposites and their application to the thermal decomposition of ammonium perchlorate. <b>2012</b> , 14, 428-434	63
2077	Low temperature synthesis of NiO/Co <sub>3</sub> O <sub>4</sub> composite nanosheets as high performance Li-ion battery anode materials. <b>2012</b> , 57, 4195-4198	5
2076	Synthesis of Co <sub>3</sub> O <sub>4</sub> @SnO <sub>2</sub> @C core-shell nanorods with superior reversible lithium-ion storage. <b>2012</b> , 2, 9511	35
2075	[100] Directed Cu-doped h-CoO nanorods: elucidation of the growth mechanism and application to lithium-ion batteries. <b>2012</b> , 4, 473-7	30
2074	Can the performance of graphene nanosheets for lithium storage in Li-ion batteries be predicted?. <b>2012</b> , 4, 2083-92	118
2073	Nanorod-assembled Co <sub>3</sub> O <sub>4</sub> hexapods with enhanced electrochemical performance for lithium-ion batteries. <b>2012</b> , 22, 23541	128

2072	Nano-drilled multiwalled carbon nanotubes: characterizations and application for LIB anode materials. <b>2012</b> , 22, 25167	71
2071	SnS <sub>2</sub> nanoparticle loaded graphene nanocomposites for superior energy storage. <b>2012</b> , 14, 6981-6	67
2070	A facile green strategy for rapid reduction of graphene oxide by metallic zinc. <b>2012</b> , 2, 8827	163
2069	3D heterostructured architectures of Co <sub>3</sub> O <sub>4</sub> nanoparticles deposited on porous graphene surfaces for high performance of lithium ion batteries. <b>2012</b> , 4, 5924-30	173
2068	Heterogeneous Nanostructured Electrode Materials for Lithium-Ion Batteries [Recent Trends and Developments. <b>2012</b> ,	1
2067	Graphene sheets stabilized on genetically engineered M13 viral templates as conducting frameworks for hybrid energy-storage materials. <b>2012</b> , 8, 1006-11	52
2066	Dispersion of alkyl-chain-functionalized reduced graphene oxide sheets in nonpolar solvents. <b>2012</b> , 28, 6691-7	59
2065	A graphene-based nanostructure with expanded ion transport channels for high rate Li-ion batteries. <b>2012</b> , 48, 5904-6	67
2064	Graphene-based composites. <b>2012</b> , 41, 666-86	3116
2063	Hierarchical Co <sub>3</sub> O <sub>4</sub> @Ni-Co-O supercapacitor electrodes with ultrahigh specific capacitance per area. <b>2012</b> , 5, 369-378	136
2062	Magnetic graphene nanocomposites: electron conduction, giant magnetoresistance and tunable negative permittivity. <b>2012</b> , 22, 835-844	83
2061	Graphene/Inorganic nanocomposites. <b>2012</b> , 2, 64-98	507
2060	A facile one-pot route for the controllable growth of small sized and well-dispersed ZnO particles on GO-derived graphene. <b>2012</b> , 22, 11778	144
2059	Polymer-graphene nanocomposites as ultrafast-charge and -discharge cathodes for rechargeable lithium batteries. <b>2012</b> , 12, 2205-11	380
2058	One-step synthesis of hollow porous Fe <sub>3</sub> O <sub>4</sub> beads/reduced graphene oxide composites with superior battery performance. <b>2012</b> , 22, 17656	99
2057	Defect-free graphene metal oxide composites: formed by lithium mediated exfoliation of graphite. <b>2012</b> , 22, 14722	8
2056	Graphene: the game changer?. <i>ACS Nano</i> , <b>2012</b> , 6, 5739-41	16.7 9
2055	Photocatalytic synthesis of TiO <sub>2</sub> and reduced graphene oxide nanocomposite for lithium ion battery. <b>2012</b> , 4, 3636-42	251

2054	Pulse Microwave Deposition of Cobalt Oxide Nanoparticles on Graphene Nanosheets as Anode Materials for Lithium Ion Batteries. <b>2012</b> , 116, 15251-15258		56
2053	Fe <sub>2</sub> O <sub>3</sub> nanoparticles anchored on graphene with 3D quasi-laminated architecture: in situ wet chemistry synthesis and enhanced electrochemical performance for lithium ion batteries. <b>2012</b> , 36, 1589		84
2052	A LiF Nanoparticle-Modified Graphene Electrode for High-Power and High-Energy Lithium Ion Batteries. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 3290-3297	15.6	60
2051	Solvothermal Synthesis of Uniform Co <sub>3</sub> O <sub>4</sub> /C Hollow Quasi-Nanospheres for Enhanced Lithium Ion Intercalation Applications. <b>2012</b> , 2012, 3825-3829		43
2050	Electrochemical Lithiation of Graphene-Supported Silicon and Germanium for Rechargeable Batteries. <b>2012</b> , 116, 11917-11923		83
2049	Macroporous 'bubble' graphene film via template-directed ordered-assembly for high rate supercapacitors. <b>2012</b> , 48, 7149-51		193
2048	In situ synthesis of SnS <sub>2</sub> @graphene nanocomposites for rechargeable lithium batteries. <b>2012</b> , 22, 9494		101
2047	Precursor-directed formation of hollow Co <sub>3</sub> O <sub>4</sub> nanospheres exhibiting superior lithium storage properties. <b>2012</b> , 2, 3187		64
2046	N-Doped Graphene-SnO <sub>2</sub> Sandwich Paper for High-Performance Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 2682-2690	15.6	479
2045	Two-dimensional nanoarchitectures for lithium storage. <b>2012</b> , 24, 4097-111		444
2044	Wintersweet-flower-like CoFe <sub>2</sub> O <sub>4</sub> /MWCNTs hybrid material for high-capacity reversible lithium storage. <b>2012</b> , 7, 1940-6		48
2043	Fabrication based on the Kirkendall effect of Co <sub>3</sub> O <sub>4</sub> porous nanocages with extraordinarily high capacity for lithium storage. <b>2012</b> , 18, 8971-7		207
2042	A Yolk-Shell Fe <sub>3</sub> O <sub>4</sub> @C Composite as an Anode Material for High-Rate Lithium Batteries. <b>2012</b> , 77, 748-751		55
2041	Nanocarbon composites and hybrids in sustainability: a review. <b>2012</b> , 5, 456-78		144
2040	Facile synthesis of graphene-holybdenum dioxide and its lithium storage properties. <b>2012</b> , 22, 16072		51
2039	Preparation of graphene-encapsulated mesoporous metal oxides and their application as anode materials for lithium-ion batteries. <b>2012</b> , 22, 16318		85
2038	Microwave-assisted synthesis of Cu <sub>2</sub> ZnSnS <sub>4</sub> nanocrystals as a novel anode material for lithium ion battery. <b>2012</b> , 14, 1		31
2037	Synthesis and electrochemical properties of graphene-SnS <sub>2</sub> nanocomposites for lithium-ion batteries. <b>2012</b> , 16, 1999-2004		26

2036	Nanostructured Fe <sub>2</sub> O <sub>3</sub> @graphene composite as a novel electrode material for supercapacitors. <b>2012</b> , 16, 2095-2102		158
2035	Nanostructured cobalt oxide-based composites for rechargeable Li-ion batteries. <b>2012</b> , 16, 2631-2638		18
2034	Nanocrystalline tin compounds/graphene nanocomposite electrodes as anode for lithium-ion battery. <b>2012</b> , 16, 1767-1774		30
2033	Structural evolution during annealing of thermally reduced graphene nanosheets for application in supercapacitors. <i>Carbon</i> , <b>2012</b> , 50, 3572-3584	10.4	312
2032	Synthesis, characterization, and adsorption properties of magnetic Fe <sub>3</sub> O <sub>4</sub> @graphene nanocomposite. <i>Chemical Engineering Journal</i> , <b>2012</b> , 184, 326-332	14.7	477
2031	SnO <sub>2</sub> nanorods grown on graphite as a high-capacity anode material for lithium ion batteries. <b>2012</b> , 38, 5145-5149		27
2030	Carbon nanotube (CNT)-based composites as electrode material for rechargeable Li-ion batteries: A review. <b>2012</b> , 72, 121-144		361
2029	Fabrication of Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> core/shell nanoparticles attached to graphene oxide and its use as an adsorbent. <b>2012</b> , 379, 20-6		175
2028	One-step fabrication of layered double hydroxides/graphene hybrid as solid-phase extraction for stripping voltammetric detection of methyl parathion. <b>2012</b> , 20, 149-152		45
2027	The production of self-assembled Fe <sub>2</sub> O <sub>3</sub> @graphene hybrid materials by a hydrothermal process for improved Li-cycling. <i>Electrochimica Acta</i> , <b>2012</b> , 65, 153-158	6.7	89
2026	Nanocrystal manganese oxide (Mn <sub>3</sub> O <sub>4</sub> , MnO) anchored on graphite nanosheet with improved electrochemical Li-storage properties. <i>Electrochimica Acta</i> , <b>2012</b> , 66, 271-278	6.7	113
2025	Performance enhancement of Li-ion batteries by the addition of metal oxides (CuO, Co <sub>3</sub> O <sub>4</sub> )/solvothermally reduced graphene oxide composites. <i>Electrochimica Acta</i> , <b>2012</b> , 69, 358-363	6.7	24
2024	An environment-friendly route to synthesize reduced graphene oxide as a supercapacitor electrode material. <i>Electrochimica Acta</i> , <b>2012</b> , 69, 364-370	6.7	70
2023	Electrochemical and safety characteristics of TiP <sub>2</sub> O <sub>7</sub> @graphene nanocomposite anode for rechargeable lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2012</b> , 75, 247-253	6.7	33
2022	Reduced graphene oxide/Bi <sub>2</sub> O <sub>3</sub> composites with high electrochemical capacitive performance. <b>2012</b> , 133, 363-368		71
2021	Preparation of CuO/C core-shell nanowires and its application in lithium ion batteries. <b>2012</b> , 80, 37-39		29
2020	Composite lithium battery anodes based on carbon@Co <sub>3</sub> O <sub>4</sub> nanostructures: Synthesis and characterization. <b>2012</b> , 200, 53-58		95
2019	Enhanced high-current capacitive behavior of graphene/CoAl-layered double hydroxide composites as electrode material for supercapacitors. <b>2012</b> , 199, 395-401		175

2018	Co <sub>3</sub> O <sub>4</sub> nanorods/graphene nanosheets nanocomposites for lithium ion batteries with improved reversible capacity and cycle stability. <b>2012</b> , 202, 230-235		147
2017	Few-layer SnS <sub>2</sub> /graphene hybrid with exceptional electrochemical performance as lithium-ion battery anode. <b>2012</b> , 201, 259-266		221
2016	NiO/graphene hybrid as an anode material for lithium ion batteries. <b>2012</b> , 204, 155-161		180
2015	Graphene anchored with nickel nanoparticles as a high-performance anode material for lithium ion batteries. <b>2012</b> , 209, 1-6		111
2014	High gravimetric capacity and long cycle life in Mn <sub>3</sub> O <sub>4</sub> /graphene platelet/LiCMC composite lithium-ion battery anodes. <b>2012</b> , 213, 249-254		66
2013	Facile synthesis of zirconia nanoparticles-decorated graphene hybrid nanosheets for an enzymeless methyl parathion sensor. <b>2012</b> , 162, 341-347		102
2012	Chrysanthemum-like Co <sub>3</sub> O <sub>4</sub> architectures: Hydrothermal synthesis and lithium storage performances. <b>2012</b> , 14, 451-455		30
2011	Facile Synthesis of Porous Mn <sub>3</sub> O <sub>4</sub> Nano-crystal/graphene Nanocomposites for Electrochemical Supercapacitors. <b>2012</b> , 2012, 628-635		107
2010	Reduced graphene oxide-mediated growth of uniform tin-core/carbon-sheath coaxial nanocables with enhanced lithium ion storage properties. <b>2012</b> , 24, 1405-9		175
2009	Graphene-based surface modification on layered Li-rich cathode for high-performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9954	13	142
2008	Synthesis of reduced graphene oxide-conducting polymers-Co <sub>3</sub> O <sub>4</sub> composites and their excellent microwave absorption properties. <b>2013</b> , 3, 19033		76
2007	Co <sub>3</sub> O <sub>4</sub> -carbon nanotube heterostructures with bead-on-string architecture for enhanced lithium storage performance. <b>2013</b> , 5, 8067-72		72
2006	Graphene/acid coassisted synthesis of ultrathin MoS <sub>2</sub> nanosheets with outstanding rate capability for a lithium battery anode. <b>2013</b> , 52, 9807-12		98
2005	Controllable synthesis of Co <sub>3</sub> O <sub>4</sub> nanostructures with good cycling performance and rate capacity in lithium-ion batteries. <b>2013</b> , 15, 1		8
2004	TiO <sub>2</sub> nanoparticles on nitrogen-doped graphene as anode material for lithium ion batteries. <b>2013</b> , 15, 1		29
2003	Self-assembly to monolayer graphene film with high electrical conductivity. <b>2013</b> , 22, 52-57		13
2002	Decoration of electro-reduced graphene oxide with uniform gold nanoparticles based on in situ diazonium chemistry and their application in methanol oxidation. <i>Journal of Electroanalytical Chemistry</i> , <b>2013</b> , 690, 111-116	4.1	5
2001	Reconstruction of Conformal Nanoscale MnO on Graphene as a High-Capacity and Long-Life Anode Material for Lithium Ion Batteries. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 2436-2444	15.6	703

2000	High rate capability and long cycle stability Fe <sub>3</sub> O <sub>4</sub> /graphene nanocomposite as anode material for lithium ion batteries. <b>2013</b> , 551, 53-60		72
1999	A solvothermal method to produce RGO-Fe <sub>3</sub> O <sub>4</sub> hybrid composite for fast chromium removal from aqueous solution. <i>Applied Surface Science</i> , <b>2013</b> , 283, 1024-1031	6.7	66
1998	Facile assembly of a 3D rGO/MWCNTs/Fe <sub>2</sub> O <sub>3</sub> ternary composite as the anode material for high-performance lithium ion batteries. <b>2013</b> , 3, 15457		26
1997	Preparation and excellent microwave absorption property of three component nanocomposites: Polyaniline-reduced graphene oxide-Co <sub>3</sub> O <sub>4</sub> nanoparticles. <b>2013</b> , 177, 89-93		40
1996	Graphene Coupled with Nanocrystals: Opportunities and Challenges for Energy and Sensing Applications. <b>2013</b> , 4, 2441-2454		72
1995	In situ nitrogenated graphene-few-layer WS <sub>2</sub> composites for fast and reversible Li <sup>+</sup> storage. <b>2013</b> , 5, 7890-6		162
1994	Investigation of modified graphene for energy storage applications. <b>2013</b> , 5, 7881-5		29
1993	Hierarchical nanostructured core-shell Sn@C nanoparticles embedded in graphene nanosheets: spectroscopic view and their application in lithium ion batteries. <b>2013</b> , 15, 3535-42		104
1992	ZnO/graphene nanocomposite fabricated by high energy ball milling with greatly enhanced lithium storage capability. <b>2013</b> , 34, 312-315		65
1991	Enhanced rate performance and cycling stability of a CoCO <sub>3</sub> /polypyrrole composite for lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 11200	13	80
1990	Characterization of multilayer graphene prepared from short-time processed graphite oxide flake. <b>2013</b> , 24, 1282-1286		14
1989	Sandwich-Stacked SnO <sub>2</sub> /Cu Hybrid Nanosheets as Multichannel Anodes for Lithium Ion Batteries. <i>ACS Nano</i> , <b>2013</b> , 7, 6948-54	16.7	92
1988	Graphene-Supported CeSn <sub>2</sub> Nanocomposite as Anode Material for Lithium-Ion Batteries. <b>2013</b> , 96, 2190-2196		43
1987	Controlled synthesis of hierarchical Co <sub>x</sub> Mn <sub>3-x</sub> O <sub>4</sub> array micro-/nanostructures with tunable morphology and composition as integrated electrodes for lithium-ion batteries. <b>2013</b> , 6, 2664-2671		249
1986	Large-scale synthesis and application of SnS <sub>2</sub> /graphene nanocomposites as anode materials for lithium-ion batteries with enhanced cyclic performance and reversible capacity. <b>2013</b> , 580, 457-464		45
1985	Hierarchical Co <sub>3</sub> O <sub>4</sub> @multiwalled carbon nanotube nanocable films with superior cyclability and high lithium storage capacity. <i>Electrochimica Acta</i> , <b>2013</b> , 108, 651-659	6.7	30
1984	Yolk-shell, hollow, and single-crystalline ZnCo(2)O(4) powders: preparation using a simple one-pot process and application in lithium-ion batteries. <b>2013</b> , 6, 2111-6		128
1983	Carbon buffered-transition metal oxidenanoparticle/graphene hybrid nanosheets as high-performance anode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 6901-6907	13	27

1982	Synthesis of Ni-doped NiO/RGONS nanocomposites with enhanced rate capabilities as anode materials for Li ion batteries. <b>2013</b> , 15, 6663		31
1981	Ni(OH) <sub>2</sub> /CoO/reduced graphene oxide composites with excellent electrochemical properties. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 478-481	13	66
1980	Two-step synthesis of agglomeration-free peroxidase-like Co <sub>3</sub> O <sub>4</sub> nanoparticles/graphene nitride nanotube hybrids enabling a high redox activity. <b>2013</b> , 3, 20179		13
1979	Using graphene nanosheets as a conductive additive to enhance the rate performance of spinel LiMn <sub>2</sub> O <sub>4</sub> cathode material. <b>2013</b> , 15, 6406-15		29
1978	Facile synthesis of porous Mn <sub>2</sub> O <sub>3</sub> hierarchical microspheres for lithium battery anode with improved lithium storage properties. <b>2013</b> , 576, 86-92		56
1977	First-Principles Study on the Synergistic Mechanism of SnO <sub>2</sub> and Graphene As a Lithium Ion Battery Anode. <b>2013</b> , 117, 23-27		50
1976	Facile synthesis of a Co <sub>3</sub> O <sub>4</sub> /carbon nanotube composite and its superior performance as an anode material for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 1141-1147	13	157
1975	Enhanced rate capabilities of Co <sub>3</sub> O <sub>4</sub> /carbon nanotube anodes for lithium ion battery applications. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 11121	13	46
1974	Tailoring CoO/ZnO nanorod and nanotube arrays for Li-ion battery anode materials. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9654	13	54
1973	One-pot hydrothermal synthesis of Co(OH) <sub>2</sub> nanoflakes on graphene sheets and their fast catalytic oxidation of phenol in liquid phase. <b>2013</b> , 402, 230-6		33
1972	Novel SPR biosensors based on metal nanoparticles decorated with graphene for immunoassay. <b>2013</b> , 188, 548-554		25
1971	Use of organic precursors and graphenes in the controlled synthesis of carbon-containing nanomaterials for energy storage and conversion. <b>2013</b> , 46, 116-28		148
1970	Strain-Driven Formation of Multilayer Graphene/GeO <sub>2</sub> Tubular Nanostructures as High-Capacity and Very Long-Life Anodes for Lithium-Ion Batteries. <b>2013</b> , 3, 1269-1274		62
1969	Morphology-controlled synthesis of Co <sub>3</sub> O <sub>4</sub> porous nanostructures for the application as lithium-ion battery electrode. <i>Electrochimica Acta</i> , <b>2013</b> , 89, 199-205	6.7	85
1968	Graphene-wrapped MnO <sub>2</sub> -graphene nanoribbons as anode materials for high-performance lithium ion batteries. <b>2013</b> , 25, 6298-302		326
1967	One-pot solvothermal synthesis of graphene-supported TiO <sub>2</sub> (B) nanosheets with enhanced lithium storage properties. <b>2013</b> , 409, 38-42		25
1966	Layer-by-layer assembly of transparent amorphous Co <sub>3</sub> O <sub>4</sub> nanoparticles/graphene composite electrodes for sustained oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 12726	13	90
1965	Partially reduced Co <sub>3</sub> O <sub>4</sub> /graphene nanocomposite as an anode material for secondary lithium ion battery. <i>Electrochimica Acta</i> , <b>2013</b> , 100, 63-71	6.7	113

1964	A facile route to synthesize transition metal oxide/reduced graphene oxide composites and their lithium storage performance. <b>2013</b> , 3, 16597		56
1963	Fabrication of an Electrochemical L-Cysteine Sensor Based on Graphene Nanosheets Decorated Manganese Oxide Nanocomposite Modified Glassy Carbon Electrode. <b>2013</b> , 25, 2201-2210		32
1962	A sandwich N-doped graphene/Co <sub>3</sub> O <sub>4</sub> hybrid: an efficient catalyst for selective oxidation of olefins and alcohols. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9037	13	176
1961	Synthesis of Cu <sub>2</sub> O/reduced graphene oxide composites as anode materials for lithium ion batteries. <b>2013</b> , 23, 3691-3696		14
1960	Preparation and capacitance properties of graphene/NiAl layered double-hydroxide nanocomposite. <b>2013</b> , 396, 251-7		65
1959	Graphene anchored with ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles as a high-capacity anode material for lithium-ion batteries. <b>2013</b> , 17, 67-71		100
1958	Co <sub>3</sub> O <sub>4</sub> nanoparticles embedded in ordered mesoporous carbon with enhanced performance as an anode material for Li-ion batteries. <b>2013</b> , 15, 1		13
1957	Silver nanorods attached to graphene sheets as anode materials for lithium-ion batteries. <i>Carbon</i> , <b>2013</b> , 62, 109-116	10.4	56
1956	Controlling morphology and enhancing electrochemical performance of cobalt oxide by addition of graphite. <b>2013</b> , 98, 59-62		16
1955	Co <sub>3</sub> O <sub>4</sub> -coated TiO <sub>2</sub> nanotube composites synthesized through photo-deposition strategy with enhanced performance for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2013</b> , 94, 285-293	6.7	42
1954	Synthesis of Co <sub>3</sub> O <sub>4</sub> nanowires on nickel foam by a novel microwave-assisted template-free method. <b>2013</b> , 97, 154-157		11
1953	Flower-like ZnCo <sub>2</sub> O <sub>4</sub> nanowires: toward a high-performance anode material for Li-ion batteries. <b>2013</b> , 3, 20143		77
1952	One-pot synthesis of uniform Fe <sub>3</sub> O <sub>4</sub> nanocrystals encapsulated in interconnected carbon nanospheres for superior lithium storage capability. <i>Carbon</i> , <b>2013</b> , 57, 130-138	10.4	93
1951	Composites of V <sub>2</sub> O <sub>5</sub> /ordered mesoporous carbon as anode materials for lithium-ion batteries. <i>Carbon</i> , <b>2013</b> , 62, 382-388	10.4	79
1950	Three-dimensional aligned mesoporous carbon nanotubes filled with Co <sub>3</sub> O <sub>4</sub> nanoparticles for Li-ion battery anode applications. <i>Electrochimica Acta</i> , <b>2013</b> , 105, 110-114	6.7	44
1949	Three-dimensional SiO <sub>2</sub> @Fe <sub>3</sub> O <sub>4</sub> core/shell nanorod array/graphene architecture: synthesis and electromagnetic absorption properties. <b>2013</b> , 5, 12296-303		193
1948	Reduced graphene oxide/CoFe <sub>2</sub> O <sub>4</sub> /Co nanocomposite as high performance anode for lithium ion batteries. <b>2013</b> , 566, 131-136		32
1947	Carbon-encapsulated CoFe <sub>2</sub> O <sub>4</sub> /graphene nanocomposite as high performance anode for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2013</b> , 112, 727-734	6.7	62

1946	Controllable preparation and characterization of graphene-based cobalt oxide nanocomposites. <b>2013,</b>		
1945	A unique sandwich-structured C/Ge/graphene nanocomposite as an anode material for high power lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 14115	13	72
1944	Preparation via an electrochemical method of graphene films coated on both sides with NiO nanoparticles for use as high-performance lithium ion anodes. <b>2013</b> , 24, 475402		15
1943	Properties and applications of chemically functionalized graphene. <b>2013</b> , 25, 423201		75
1942	Excellent electromagnetic absorption properties of poly(3,4-ethylenedioxythiophene)-reduced graphene oxide-Co <sub>3</sub> O <sub>4</sub> composites prepared by a hydrothermal method. <b>2013</b> , 5, 12355-60		208
1941	Effect of Graphene on Sulfur/Polyacrylonitrile Nanocomposite Cathode in High Performance Lithium/Sulfur Batteries. <b>2013</b> , 160, A1194-A1198		58
1940	Hybrid of Co(3)Sn(2)@Co nanoparticles and nitrogen-doped graphene as a lithium ion battery anode. <i>ACS Nano</i> , <b>2013</b> , 7, 10307-18	16.7	178
1939	One-pot synthesis of Fe <sub>2</sub> O <sub>3</sub> /graphene and its lithium-storage performance. <i>Electrochimica Acta</i> , <b>2013</b> , 113, 212-217	6.7	36
1938	CoO-carbon nanofiber networks prepared by electrospinning as binder-free anode materials for lithium-ion batteries with enhanced properties. <b>2013</b> , 5, 12342-9		135
1937	Sol-gel design strategy for ultradispersed TiO <sub>2</sub> nanoparticles on graphene for high-performance lithium ion batteries. <b>2013</b> , 135, 18300-3		313
1936	Dispersion stability of functionalized graphene in aqueous sodium dodecyl sulfate solutions. <b>2013</b> , 29, 14831-8		71
1935	In situ growth of CuO nanoparticles on graphene matrix as anode material for lithium-ion batteries. <b>2013</b> , 105, 242-245		26
1934	Pseudocapacitance of Amorphous TiO <sub>2</sub> Thin Films Anchored to Graphene and Carbon Nanotubes Using Atomic Layer Deposition. <b>2013</b> , 117, 22497-22508		95
1933	Catalysis-material crosstalk at tailored nano-carbon interfaces. <b>2014</b> , 348, 139-80		8
1932	Synthesis of a hydrophilic poly-l-lysine/graphene hybrid through multiple non-covalent interactions for biosensors. <b>2013</b> , 1, 1406-1413		50
1931	An overview of the engineered graphene nanostructures and nanocomposites. <b>2013</b> , 3, 22790		167
1930	Graphene-based nanocomposites: preparation, functionalization, and energy and environmental applications. <b>2013</b> , 6, 3483		422
1929	Humanin: a novel functional molecule for the green synthesis of graphene. <b>2013</b> , 111, 376-83		45

1928	Controlled electrodeposition of cobalt oxides from protic ionic liquids for electrocatalytic water oxidation. <b>2013</b> , 3, 20936		24
1927	Hollow structured Li <sub>3</sub> VO <sub>4</sub> wrapped with graphene nanosheets in situ prepared by a one-pot template-free method as an anode for lithium-ion batteries. <b>2013</b> , 13, 4715-20		270
1926	Visible-light-responsive photocatalysts toward water oxidation based on NiTi-layered double hydroxide/reduced graphene oxide composite materials. <b>2013</b> , 5, 10233-9		121
1925	Facile conductive bridges formed between silicon nanoparticles inside hollow carbon nanofibers. <b>2013</b> , 5, 4790-6		34
1924	TiO <sub>2</sub> nanocrystal embedded ordered mesoporous carbons as anode materials for lithium-ion batteries with highly reversible capacity and rate performance. <b>2013</b> , 15, 6800		18
1923	Role of transition metal nanoparticles in the extra lithium storage capacity of transition metal oxides: a case study of hierarchical core-shell Fe <sub>3</sub> O <sub>4</sub> @C and Fe@C microspheres. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 15158	13	199
1922	Synthesis and investigation of thermoelectric and electrochemical properties of porous Ca <sub>9</sub> Co <sub>12</sub> O <sub>28</sub> nanowires. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 11901	13	28
1921	Sandwich-structural graphene-based metal oxides as anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 6928	13	63
1920	Self-assembled hollow mesoporous Co <sub>3</sub> O <sub>4</sub> hybrid architectures: a facile synthesis and application in Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13164	13	37
1919	Highly Efficient Graphene-Based Ternary Composite Catalyst with Polydopamine Layer and Copper Nanoparticles. <b>2013</b> , 78, 1483-1490		43
1918	Highly efficient and robust oxygen evolution catalysts achieved by anchoring nanocrystalline cobalt oxides onto mildly oxidized multiwalled carbon nanotubes. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 12053	13	142
1917	Mesoscopic magnetic iron oxide spheres for high performance Li-ion battery anode: a new pulsed laser induced reactive micro-bubble synthesis process. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13932	13	16
1916	Facile preparation of a cobalt hybrid/graphene nanocomposite by in situ chemical reduction: high lithium storage capacity and highly efficient removal of Congo red. <b>2013</b> , 42, 8070-7		21
1915	Mesoporous iron oxide directly anchored on a graphene matrix for lithium-ion battery anodes with enhanced strain accommodation. <b>2013</b> , 3, 699-703		68
1914	Facile synthesis of novel Si nanoparticles-graphene composites as high-performance anode materials for Li-ion batteries. <b>2013</b> , 15, 11394-401		51
1913	Bismuth Oxide: A New Lithium-Ion Battery Anode. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1,	13	104
1912	High density Co <sub>3</sub> O <sub>4</sub> nanoparticles confined in a porous graphene nanomesh network driven by an electrochemical process: ultra-high capacity and rate performance for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 14023	13	58
1911	Graphene-Based Composites as Cathode Materials for Lithium Ion Batteries. <b>2013</b> , 2013, 1-8		13

1910	Ni(OH) <sub>2</sub> nanosheets grown on graphene-coated nickel foam for high-performance pseudocapacitors. <b>2013</b> , 549, 147-151		60
1909	Chemical vapor deposition derived flexible graphene paper and its application as high performance anodes for lithium rechargeable batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 408-414	13	70
1908	Nanostructured carbon-metal oxide composite electrodes for supercapacitors: a review. <b>2013</b> , 5, 72-88		1608
1907	Applications of Graphene. <b>2013</b> , 333-437		6
1906	Reduction of graphene oxide with L-lysine to prepare reduced graphene oxide stabilized with polysaccharide polyelectrolyte. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2192-2201	13	68
1905	A universal strategy for the hierarchical assembly of functional 0/2D nanohybrids. <b>2013</b> , 49, 1642-4		32
1904	CTAB-assisted synthesis of single-layer MoS <sub>2</sub> /graphene composites as anode materials of Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2202-2210	13	378
1903	Graphene/Fe <sub>3</sub> O <sub>4</sub> nanohybrids: Synthesis and excellent electromagnetic absorption properties. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 024314	2.5	188
1902	Synthesis of MgO supported Co <sub>3</sub> O <sub>4</sub> nanoparticles by a novel thermal decomposition approach and studies on their magnetic properties. <b>2013</b> , 165, 55-62		6
1901	Graphitic design: prospects of graphene-based nanocomposites for solar energy conversion, storage, and sensing. <b>2013</b> , 46, 2235-43		248
1900	3D carbon based nanostructures for advanced supercapacitors. <b>2013</b> , 6, 41-53		1255
1899	Entangled Germanium Nanowires and Graphite Nanofibers for the Anode of Lithium-Ion Batteries. <b>2013</b> , 160, A112-A116		29
1898	Enhanced electrochemical performance of FeS coated by Ag as anode for lithium-ion batteries. <i>Applied Surface Science</i> , <b>2013</b> , 265, 114-119	6.7	34
1897	Room-temperature synthesis of CuO/graphene nanocomposite electrodes for high lithium storage capacity. <b>2013</b> , 39, 1749-1755		38
1896	Highly loaded CoO/graphene nanocomposites as lithium-ion anodes with superior reversible capacity. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2337	13	102
1895	A facile hydrothermal synthesis of graphene porous NiO nanocomposite and its application in electrochemical capacitors. <i>Electrochimica Acta</i> , <b>2013</b> , 91, 173-178	6.7	110
1894	Graphene nanosheet supported bifunctional catalyst for high cycle life Li-air batteries. <b>2013</b> , 234, 8-15		67
1893	Graphene/polymer composites for energy applications. <b>2013</b> , 51, 231-253		199

1892	Facile formation of graphene-encapsulated Fe <sub>2</sub> O <sub>3</sub> nanorice as enhanced anode materials for lithium storage. <i>Electrochimica Acta</i> , <b>2013</b> , 114, 779-784	6.7	16
1891	Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /Reduced Graphene Oxide composite as a high rate capability material for lithium ion batteries. <b>2013</b> , 236, 30-36		31
1890	3D WO <sub>3</sub> nanowires/graphene nanocomposite with improved reversible capacity and cyclic stability for lithium ion batteries. <b>2013</b> , 108, 29-32		44
1889	A green hydrothermal approach for the preparation of graphene/MnO <sub>2</sub> 3D network as anode for lithium ion battery. <i>Electrochimica Acta</i> , <b>2013</b> , 108, 465-471	6.7	67
1888	Preparation of porous SnO <sub>2</sub> helical nanotubes and SnO <sub>2</sub> sheets. <b>2013</b> , 140, 249-254		11
1887	Extremely high capacity and stability of Co <sub>3</sub> O <sub>4</sub> /graphene nanocomposites as the anode of lithium-ion battery. <b>2013</b> , 112, 162-164		17
1886	Systematic analysis of palladium-graphene nanocomposites and their catalytic applications in Sonogashira reaction. <b>2013</b> , 403, 127-33		45
1885	Synthesis and electrochemical performance of graphene/metal oxide nanocomposite electrodes in lithium secondary batteries and supercapacitors. <b>2013</b> ,		1
1884	Synthesis of Small-Sized Freestanding Co <sub>3</sub> O <sub>4</sub> Nanosheets with Improved Activity for H <sub>2</sub> O <sub>2</sub> Sensing and Oxygen Evolution. <b>2013</b> , 160, F218-F223		23
1883	Synthesis of Mn <sub>3</sub> O <sub>4</sub> -anchored graphene sheet nanocomposites via a facile, fast microwave hydrothermal method and their supercapacitive behavior. <i>Electrochimica Acta</i> , <b>2013</b> , 87, 801-808	6.7	90
1882	Hydrothermal synthesis of reduced graphene oxide/Co <sub>3</sub> O <sub>4</sub> composites and the excellent microwave electromagnetic properties. <b>2013</b> , 107, 166-169		80
1881	A novel hierarchical network-like Co <sub>3</sub> O <sub>4</sub> anode material for lithium batteries. <i>Electrochimica Acta</i> , <b>2013</b> , 111, 746-754	6.7	41
1880	One step sol-gel synthesis of Li <sub>2</sub> ZnTi <sub>3</sub> O <sub>8</sub> /C nanocomposite with enhanced lithium-ion storage properties. <i>Electrochimica Acta</i> , <b>2013</b> , 88, 74-78	6.7	75
1879	Self-assembly of Fe <sub>3</sub> O <sub>4</sub> nanorods on graphene for lithium ion batteries with high rate capacity and cycle stability. <b>2013</b> , 28, 139-142		61
1878	Simple fabrication of strongly coupled cobalt ferrite/carbon nanotube composite based on deoxygenation for improving lithium storage. <i>Carbon</i> , <b>2013</b> , 65, 112-123	10.4	64
1877	A general polymer-assisted solution approach to grow transition metal oxide nanostructures directly on nickel foam as anodes for Li-ion batteries. <b>2013</b> , 242, 604-609		15
1876	P25/graphene nanocomposites as a high-performance anode material for lithium ion batteries. <b>2013</b> , 141, 153-159		5
1875	Encapsulating magnetic nanoparticles in sandwich-like coupled graphene sheets and beyond. <b>2013</b> , 5, 2243-8		21

1874	MnFe <sub>2</sub> O <sub>4</sub> -graphene nanocomposites with enhanced performances as anode materials for Li-ion batteries. <b>2013</b> , 15, 3939-45		110
1873	High quality NMP exfoliated graphene nanosheet-SnO <sub>2</sub> composite anode material for lithium ion battery. <b>2013</b> , 15, 3712-7		27
1872	Self-assembly of mesoporous CuO nanosheets-CNT 3D-network composites for lithium-ion batteries. <b>2013</b> , 5, 1785-8		71
1871	Facile one-pot preparation of SnWO <sub>4</sub> /reduced graphene oxide (RGO) nanocomposite with improved visible light photocatalytic activity and anode performance for Li-ion batteries. <b>2013</b> , 3, 1235-1242		55
1870	Facile approach to synthesize CuO/reduced graphene oxide nanocomposite as anode materials for lithium-ion battery. <b>2013</b> , 244, 435-441		97
1869	A reduced graphene oxide/nanoporous magnetic oxide iron hybrid as an improved anode material for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2013</b> , 95, 24-28	6.7	20
1868	A Fe <sub>2</sub> O <sub>3</sub> nanoparticle/carbon aerogel composite for use as an anode material for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2013</b> , 97, 271-277	6.7	61
1867	Self-templated synthesis of microporous CoO nanoparticles with highly enhanced performance for both photocatalysis and lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 1394-1400	13	49
1866	Conformal Fe <sub>3</sub> O <sub>4</sub> sheath on aligned carbon nanotube scaffolds as high-performance anodes for lithium ion batteries. <b>2013</b> , 13, 818-23		268
1865	Encapsulation of metal oxide nanocrystals into porous carbon with ultrahigh performances in lithium-ion battery. <b>2013</b> , 5, 2133-6		54
1864	Electric papers of graphene-coated Co <sub>2</sub> O <sub>3</sub> fibers for high-performance lithium-ion batteries. <b>2013</b> , 5, 997-1002		137
1863	In situ synthesis of porous Fe <sub>3</sub> O <sub>4</sub> /C microbelts and their enhanced electrochemical performance for lithium-ion batteries. <b>2013</b> , 5, 1698-703		70
1862	Self-assembly of CoS <sub>2</sub> /graphene nanoarchitecture by a facile one-pot route and its improved electrochemical Li-storage properties. <b>2013</b> , 2, 49-56		182
1861	Strongly coupled inorganic-nano-carbon hybrid materials for energy storage. <b>2013</b> , 42, 3088-113		707
1860	Facile synthesis of SnO <sub>2</sub> nanoparticles dispersed nitrogen doped graphene anode material for ultrahigh capacity lithium ion battery applications. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 3865	13	112
1859	Rutile-type (Ti,Sn)O <sub>n</sub> nanorods as efficient anode materials toward its lithium storage capabilities. <b>2013</b> , 5, 2254-8		16
1858	Effect of carbon blacks filler addition on electrochemical behaviors of Co <sub>3</sub> O <sub>4</sub> /graphene nanosheets as a supercapacitor electrodes. <i>Electrochimica Acta</i> , <b>2013</b> , 89, 516-522	6.7	118
1857	Assembling tin dioxide quantum dots to graphene nanosheets by a facile ultrasonic route. <b>2013</b> , 29, 4111-8		47

1856	In situ assembly of graphene sheets-supported SnS <sub>2</sub> nanoplates into 3D macroporous aerogels for high-performance lithium ion batteries. <b>2013</b> , 237, 178-186		157
1855	Onion-like carbon matrix supported Co <sub>3</sub> O <sub>4</sub> nanocomposites: a highly reversible anode material for lithium ion batteries with excellent cycling stability. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 5212	13	68
1854	Graphene: a two-dimensional platform for lithium storage. <b>2013</b> , 9, 1173-87		160
1853	Ultrathin MoS <sub>2</sub> /Nitrogen-Doped Graphene Nanosheets with Highly Reversible Lithium Storage. <b>2013</b> , 3, 839-844		417
1852	Facile preparation of ordered porous graphene-metal oxide@C binder-free electrodes with high Li storage performance. <b>2013</b> , 9, 3390-7		61
1851	3D graphene foams cross-linked with pre-encapsulated Fe <sub>3</sub> O <sub>4</sub> nanospheres for enhanced lithium storage. <b>2013</b> , 25, 2909-14		665
1850	Large-scale synthesis of hexagonal corundum-type In <sub>2</sub> O <sub>3</sub> by ball milling with enhanced lithium storage capabilities. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 5274	13	58
1849	Branched Co <sub>3</sub> O <sub>4</sub> /Fe <sub>2</sub> O <sub>3</sub> nanowires as high capacity lithium-ion battery anodes. <b>2013</b> , 6, 167-173		155
1848	Phase formations, magnetic and catalytic properties of Co <sub>3</sub> O <sub>4</sub> hexagonal micro-boxes with one-dimensional nanotubes. <b>2013</b> , 15, 3587		9
1847	Graphene-based electrodes for electrochemical energy storage. <b>2013</b> , 6, 1388		631
1846	Carbon Coated ZnFe <sub>2</sub> O <sub>4</sub> Nanoparticles for Advanced Lithium-Ion Anodes. <b>2013</b> , 3, 513-523		292
1845	Thermal evaporation-induced anhydrous synthesis of Fe <sub>3</sub> O <sub>4</sub> -graphene composite with enhanced rate performance and cyclic stability for lithium ion batteries. <b>2013</b> , 15, 7174-81		54
1844	Graphene/carbon-coated Si nanoparticle hybrids as high-performance anode materials for Li-ion batteries. <b>2013</b> , 5, 3449-55		153
1843	Chemical interaction and imaging of single Co <sub>3</sub> O <sub>4</sub> /graphene sheets studied by scanning transmission X-ray microscopy and X-ray absorption spectroscopy. <b>2013</b> , 6, 926		152
1842	Graphene composites as anode materials in lithium-ion batteries. <b>2013</b> , 9, 133-153		52
1841	Structure-Properties Relationship in Iron Oxide-Reduced Graphene Oxide Nanostructures for Li-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4293-4305	15.6	84
1840	Nanowire-graphene hybrids for lithium-ion-battery. <b>2013</b> ,		
1839	Surfactant-assisted synthesis of a Co <sub>3</sub> O <sub>4</sub> /reduced graphene oxide composite as a superior anode material for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 7159	13	65

1838	Octahedral Co <sub>3</sub> O <sub>4</sub> particles threaded by carbon nanotube arrays as integrated structure anodes for lithium ion batteries. <b>2013</b> , 15, 5582-7		46
1837	Self-assembly of hierarchical star-like Co <sub>3</sub> O <sub>4</sub> micro/nanostructures and their application in lithium ion batteries. <b>2013</b> , 5, 1922-8		110
1836	Enhanced rate performance of cobalt oxide/nitrogen doped graphene composite for lithium ion batteries. <b>2013</b> , 3, 5003		42
1835	Making graphene holey. Gold-nanoparticle-mediated hydroxyl radical attack on reduced graphene oxide. <i>ACS Nano</i> , <b>2013</b> , 7, 5546-57	16.7	118
1834	Metal oxides and oxysalts as anode materials for Li ion batteries. <b>2013</b> , 113, 5364-457		2412
1833	Multifunctional graphene sheets embedded in silicone encapsulant for superior performance of light-emitting diodes. <i>ACS Nano</i> , <b>2013</b> , 7, 5784-90	16.7	48
1832	Enhanced conductivity of reduced graphene oxide decorated with aluminium oxide nanoparticles by oxygen annealing. <b>2013</b> , 5, 5725-31		13
1831	Microwave-assisted synthesis of dual-conducting Cu <sub>2</sub> O@Cu-graphene system with improved electrochemical performance as anode material for lithium batteries. <b>2013</b> , 8, 1960-5		18
1830	Three-dimensional activated reduced graphene oxide nanocup/nickel aluminum layered double hydroxides composite with super high electrochemical and capacitance performances. <i>Electrochimica Acta</i> , <b>2013</b> , 95, 146-154	6.7	55
1829	High-performance supercapacitors materials prepared via in situ growth of NiAl-layered double hydroxide nanoflakes on well-activated graphene nanosheets. <i>Electrochimica Acta</i> , <b>2013</b> , 94, 360-366	6.7	64
1828	Carbon Nanostructures in Lithium Ion Batteries: Past, Present, and Future. <b>2013</b> , 38, 128-166		55
1827	Unusual formation of Fe <sub>2</sub> O <sub>3</sub> hexagonal nanoplatelets in N-doped sandwiched graphene chamber for high-performance lithium-ions batteries. <b>2013</b> , 2, 257-267		88
1826	Fe <sub>2</sub> O <sub>3</sub> particles enwrapped by graphene with excellent cyclability and rate capability as anode materials for lithium ion batteries. <i>Applied Surface Science</i> , <b>2013</b> , 266, 148-154	6.7	71
1825	Facile synthesis, enhanced field emission and photocatalytic activities of Cu <sub>2</sub> O@TiO <sub>2</sub> @ZnO ternary hetero-nanostructures. <b>2013</b> , 46, 175303		18
1824	Reduced graphene oxide wrapped FeS nanocomposite for lithium-ion battery anode with improved performance. <b>2013</b> , 5, 5330-5		170
1823	Nickel sulfide/nitrogen-doped graphene composites: phase-controlled synthesis and high performance anode materials for lithium ion batteries. <b>2013</b> , 9, 1321-8		276
1822	Preparation and electrochemical properties of (Fe <sub>2.5</sub> Ti <sub>0.5</sub> ) <sub>1.04</sub> O <sub>4</sub> @graphene nanocomposite. <i>Electrochimica Acta</i> , <b>2013</b> , 104, 267-273	6.7	5
1821	Effective microwave-assisted synthesis of graphene nanosheets/NiO composite for high-performance supercapacitors. <b>2013</b> , 37, 439-443		27

1820	An in situ ionic-liquid-assisted synthetic approach to iron fluoride/graphene hybrid nanostructures as superior cathode materials for lithium ion batteries. <b>2013</b> , 5, 5057-63		57
1819	Fabrication, characterization, and photocatalytic property of Fe <sub>2</sub> O <sub>3</sub> /graphene oxide composite. <b>2013</b> , 15, 1		19
1818	A Highly Efficient Catalyst toward Oxygen Reduction Reaction in Neutral Media for Microbial Fuel Cells. <b>2013</b> , 52, 6076-6082		85
1817	Composite structure and properties of Mn <sub>3</sub> O <sub>4</sub> /graphene oxide and Mn <sub>3</sub> O <sub>4</sub> /graphene. <i>Journal of Materials Chemistry A</i> , <b>2013</b> ,	13	14
1816	Free-standing and binder-free lithium-ion electrodes based on robust layered assembly of graphene and Co <sub>3</sub> O <sub>4</sub> nanosheets. <b>2013</b> , 5, 6960-7		119
1815	Ultra-small Fe <sub>3</sub> O <sub>4</sub> nanoparticle decorated graphene nanosheets with superior cyclic performance and rate capability. <b>2013</b> , 5, 6797-803		70
1814	Evaporation-induced synthesis of carbon-supported Fe <sub>3</sub> O <sub>4</sub> nanocomposites as anode material for lithium-ion batteries. <b>2013</b> , 15, 1324		38
1813	Bioinspired prospects of graphene: from biosensing to energy. <b>2013</b> , 1, 3521-3534		24
1812	Three-dimensional graphene/LiFePO <sub>4</sub> nanostructures as cathode materials for flexible lithium-ion batteries. <b>2013</b> , 48, 3713-3716		38
1811	Study of LiFePO <sub>4</sub> cathode modified by graphene sheets for high-performance lithium ion batteries. <i>Electrochimica Acta</i> , <b>2013</b> , 88, 414-420	6.7	55
1810	Feasibility of Lithium Storage on Graphene and Its Derivatives. <b>2013</b> , 4, 1737-42		253
1809	Preparation and exceptional lithium anodic performance of porous carbon-coated ZnO quantum dots derived from a metal-organic framework. <b>2013</b> , 135, 7394-7		418
1808	Self-assembled Fe <sub>3</sub> O <sub>4</sub> /graphene aerogel with high lithium storage performance. <b>2013</b> , 5, 3764-9		273
1807	A simple one-pot synthesis of graphene nanosheet/SnO nanoparticle hybrid nanocomposites and their application for selective and sensitive electrochemical detection of dopamine. <b>2013</b> , 1, 1804-1811		72
1806	Synthesis and excellent electromagnetic absorption properties of polypyrrole-reduced graphene oxide/Co <sub>3</sub> O <sub>4</sub> nanocomposites. <b>2013</b> , 573, 151-156		84
1805	A sandwich-type DNA biosensor based on electrochemical co-reduction synthesis of graphene-three dimensional nanostructure gold nanocomposite films. <b>2013</b> , 767, 50-8		65
1804	Morphological and physical investigation of carbon nanotube and graphene buffers used in high capacity lithium ion battery anodes. <i>Journal of Electroanalytical Chemistry</i> , <b>2013</b> , 695, 30-37	4.1	10
1803	Tin indium oxide/graphene nanosheet nanocomposite as an anode material for lithium ion batteries with enhanced lithium storage capacity and rate capability. <i>Electrochimica Acta</i> , <b>2013</b> , 91, 275-281	6.7	46

1802	Controlled synthesis of hierarchical graphene-wrapped TiO <sub>2</sub> @Co <sub>3</sub> O <sub>4</sub> coaxial nanobelt arrays for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 273-281	13	122
1801	In situ growth of Sn, SnO on graphene nanosheets and their application as anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2013</b> , 92, 412-420	6.7	63
1800	One-pot synthesis of mixed-valence MoO <sub>x</sub> on carbon nanotube as an anode material for lithium ion batteries. <b>2013</b> , 31, 218-223		24
1799	In situ synthesis of SnO <sub>2</sub> nanosheet/graphene composite as anode materials for lithium-ion batteries. <b>2013</b> , 24, 3640-3645		29
1798	Lithium alloys and metal oxides as high-capacity anode materials for lithium-ion batteries. <b>2013</b> , 575, 246-256		199
1797	Non-aqueous synthesis of crystalline Co <sub>3</sub> O <sub>4</sub> nanoparticles for lithium-ion batteries. <b>2013</b> , 91, 291-293		22
1796	Synthesis of amorphous FeOOH/reduced graphene oxide composite by infrared irradiation and its superior lithium storage performance. <b>2013</b> , 5, 10145-50		45
1795	A facile chemical exfoliation method to obtain large size boron nitride nanosheets. <b>2013</b> , 15, 1782		140
1794	Nickel nanoparticle decorated graphene for highly selective isolation of polyhistidine-tagged proteins. <b>2013</b> , 24, 505704		20
1793	SBA-15 confined synthesis of TiNb <sub>2</sub> O <sub>7</sub> nanoparticles for lithium-ion batteries. <b>2013</b> , 5, 11102-7		103
1792	A general synthesis of metal (Mn, Fe, Co, Ni, Cu, Zn) oxide and silica nanoparticles based on a low temperature reduction/hydrolysis pathway. <b>2013</b> , 3, 23722		11
1791	Self-assembly of hierarchical MoS <sub>x</sub> /CNT nanocomposites (2). <b>2013</b> , 3, 2169		267
1790	Graphene-molybdenum oxynitride porous material with improved cyclic stability and rate capability for rechargeable lithium ion batteries. <b>2013</b> , 15, 16898-906		27
1789	Behavior and toxicity of graphene and its functionalized derivatives in biological systems. <b>2013</b> , 9, 1492-503		353
1788	Graphene Based Electrode Using in Rechargeable Lithium Ion Batteries. <b>2013</b> , 774-776, 640-645		3
1787	Graphene Research in China. <b>2013</b> , 1505, 1		1
1786	A Review on the Binary Oxide Nanomaterials for the Electrochemical Performance. <b>2013</b> , 788, 11-14		
1785	Comparison of Structural Analysis and Electrochemical Studies of C-Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> and CNT-Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Nanocomposites particles used as Anode for Lithium Ion Battery. <b>2013</b> , 1541, 75701		

1784	Research on the Synthesis and Application of Graphene Composite Nanomaterials. <b>2013</b> , 788, 3-6	3
1783	Nickel-Doped MnO <sub>2</sub> Nanowires Anchored onto Reduced Graphene Oxide for Rapid Cycling Cathode in Lithium Ion Batteries. <b>2013</b> , 2, M3178-M3181	9
1782	Carbon inverse opal entrapped with electrode active nanoparticles as high-performance anode for lithium-ion batteries. <b>2013</b> , 3, 2317	71
1781	CHISELED NICKEL HYDROXIDE NANOPLATES GROWTH ON GRAPHENE SHEETS FOR LITHIUM ION BATTERIES. <b>2013</b> , 08, 1350068	7
1780	A novel graphene modified LiMnPO <sub>4</sub> as a performance-improved cathode material for lithium-ion batteries. <b>2013</b> , 28, 2584-2589	13
1779	A reduced graphene oxide/Cu <sub>6</sub> Sn <sub>5</sub> nanocomposite with enhanced cycling stability for lithium storage. <b>2013</b> , 24, 424010	4
1778	Carbon Materials and Their Energy Conversion and Storage Applications. <b>2013</b> , 59-94	2
1777	Graphene functionalization and its application to polymer composite materials. <b>2013</b> , 2, 97-111	4
1776	Nano Dimensionality: A Way towards Better Li-Ion Storage. <b>2013</b> , 3, 21-35	14
1775	Low temperature synthesis of high electrochemical performance Co <sub>3</sub> O <sub>4</sub> nanoparticles for application in supercapacitor. <b>2014</b> , 07, 1450002	10
1774	One-Step Exfoliation and Fluorination of Boron Nitride Nanosheets and a Study of Their Magnetic Properties. <b>2014</b> , 126, 3719-3723	29
1773	Study of the early stages of growth of Co oxides on oxide substrates. <b>2014</b> , 46, 975-979	8
1772	Supercritical carbon dioxide assisted deposition of Fe <sub>3</sub> O <sub>4</sub> nanoparticles on hierarchical porous carbon and their lithium-storage performance. <b>2014</b> , 20, 4308-15	45
1771	Hybrid CuO/SnO <sub>2</sub> nanocomposites: Towards cost-effective and high performance binder free lithium ion batteries anode materials. <b>2014</b> , 105, 143905	47
1770	Electrode Nanostructures in Lithium-Based Batteries. <b>2014</b> , 1, 1400012	123
1769	3D Hollow Sn@Carbon-Graphene Hybrid Material as Promising Anode for Lithium-Ion Batteries. <b>2014</b> , 2014, 1-6	5
1768	Growth of graphene on copper and nickel foils via chemical vapour deposition using ethylene. <b>2014</b> , 18, S4-706-S4-710	15
1767	Preparation of a reduced graphene oxide wrapped lithium-rich cathode material by self-assembly. <b>2014</b> , 9, 2946-52	17

1766	Synthesis of hierarchical ZnV2O4 microspheres and its electrochemical properties. <b>2014</b> , 16, 10309-10313	45
1765	Au <sub>2</sub> Co <sub>3</sub> O <sub>4</sub> /C as an Efficient Electrocatalyst for the Oxygen Evolution Reaction. <b>2014</b> , 79, 1569-1572	21
1764	Multilayered Si nanoparticle/reduced graphene oxide hybrid as a high-performance lithium-ion battery anode. <b>2014</b> , 26, 758-64	348
1763	Gold nanoparticles embedded within mesoporous cobalt oxide enhance electrochemical oxygen evolution. <b>2014</b> , 7, 82-6	93
1762	One-pot method for synthesizing spherical-like metal sulfide-reduced graphene oxide composite powders with superior electrochemical properties for lithium-ion batteries. <b>2014</b> , 20, 12183-9	34
1761	A new approach to nanoporous graphene sheets via rapid microwave-induced plasma for energy applications. <b>2014</b> , 25, 495604	18
1760	Facile gamma radiolytic synthesis of synergistic Co <sub>3</sub> O <sub>4</sub> -rGO nanocomposite: direct use in photocatalytic water splitting. <b>2014</b> , 1, 045507	11
1759	Mesoporous cobalt monoxide nanorods grown on reduced graphene oxide nanosheets with high lithium storage performance. <i>Electrochimica Acta</i> , <b>2014</b> , 138, 376-382	6.7 25
1758	Supercritical carbon dioxide anchored Fe <sub>3</sub> O <sub>4</sub> nanoparticles on graphene foam and lithium battery performance. <b>2014</b> , 6, 22527-33	68
1757	Nitrogen-doped graphene oxide/cupric oxide as an anode material for lithium ion batteries. <b>2014</b> , 4, 64756-64762	17
1756	Synthesis of H V O /Reduced Graphene Oxide Composite as a Promising Cathode Material for Lithium-Ion Batteries. <b>2014</b> , 79, 447-453	35
1755	Synthesis of 3D-hierarchical NiO-G composites with enhanced electrochemical performances as anode for lithium secondary batteries. <b>2014</b> ,	1
1754	The application of graphene in lithium ion battery electrode materials. <b>2014</b> , 3, 585	43
1753	Facile hydrothermal synthesis of ZnO/Co <sub>3</sub> O <sub>4</sub> heterogeneous nanostructures and its electric property. <b>2014</b> ,	
1752	Synthesis and Characterization of Nano Mn <sub>3</sub> O <sub>4</sub> for Lithium-Ion Batteries. <b>2014</b> , 687-691, 4331-4334	
1751	Recent advances in graphene-based planar micro-supercapacitors for on-chip energy storage. <b>2014</b> , 1, 277-292	249
1750	Two-dimensional hybrid mesoporous Fe <sub>2</sub> O <sub>3</sub> -graphene nanostructures: a highly active and reusable peroxidase mimetic toward rapid, highly sensitive optical detection of glucose. <b>2014</b> , 52, 452-7	75
1749	Graphene-based nanocomposites for energy storage and conversion in lithium batteries, supercapacitors and fuel cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 15-32	13 375

1748	Hollow triple-shelled SiO <sub>2</sub> /TiO <sub>2</sub> /polypyrrole nanospheres for enhanced lithium storage capability. <i>Chemical Engineering Journal</i> , <b>2014</b> , 237, 380-386	14.7	19
1747	Porous SnO <sub>2</sub> @C/graphene nanocomposite with 3D carbon conductive network as a superior anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 116, 103-110	6.7	122
1746	Nanoscale zero-valent iron (nZVI) assembled on magnetic Fe <sub>3</sub> O <sub>4</sub> /graphene for chromium (VI) removal from aqueous solution. <b>2014</b> , 417, 51-9		158
1745	Reduced Graphene Oxide Supported MnO Nanoparticles with Excellent Lithium Storage Performance. <i>Electrochimica Acta</i> , <b>2014</b> , 118, 112-117	6.7	47
1744	Three-Dimensional Reduced Graphene Oxides Hydrogel Anchored with Ultrafine CoO Nanoparticles as Anode for Lithium Ion Batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 129, 425-432	6.7	58
1743	Synthesize of hierarchical sisal-like cobalt hydroxide and its electrochemical applications. <b>2014</b> , 608, 278-282		24
1742	CuO nanorods/graphene nanocomposites for high-performance lithium-ion battery anodes. <b>2014</b> , 590, 424-427		29
1741	Hydrothermal preparation of Fe <sub>2</sub> O <sub>3</sub> /graphene nanocomposite and its enhanced catalytic activity on the thermal decomposition of ammonium perchlorate. <i>Applied Surface Science</i> , <b>2014</b> , 303, 354-359	6.7	102
1740	Graphene/Fe <sub>3</sub> O <sub>4</sub> micro/nano scaled hybrid spheres: Synthesis and synergistic electromagnetic effect. <b>2014</b> , 50, 285-291		34
1739	Covalent bonding synthesis of magnetic graphene oxide nanocomposites for Cr(III) removal. <b>2014</b> , 52, 1937-1946		19
1738	Enhanced 3D hierarchical double porous Co <sub>3</sub> O <sub>4</sub> /graphene architecture for superior rechargeable lithium ion battery. <b>2014</b> , 40, 2523-2528		21
1737	Graphene for advanced Li/S and Li/air batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 33-47	13	154
1736	Solid-state synthesis of uniform Li <sub>2</sub> MnSiO <sub>4</sub> /C/graphene composites and their performance in lithium-ion batteries. <b>2014</b> , 246, 192-197		37
1735	MnO nanorods on graphene as an anode material for high capacity lithium ion batteries. <b>2014</b> , 49, 1861-1867		36
1734	One-step exfoliation and fluorination of boron nitride nanosheets and a study of their magnetic properties. <b>2014</b> , 53, 3645-9		105
1733	25th anniversary article: hybrid nanostructures based on two-dimensional nanomaterials. <b>2014</b> , 26, 2185-204		514
1732	Transparent graphene/platinum nanohybrid films for counter electrodes in high efficiency dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 8742	13	27
1731	Synthesis and electrochemical properties of graphene/V <sub>2</sub> O <sub>5</sub> xerogels nanocomposites as supercapacitor electrodes. <b>2014</b> , 262, 234-237		43

1730	Graphene and graphene-like layered transition metal dichalcogenides in energy conversion and storage. <b>2014</b> , 10, 2165-81		479
1729	Superparamagnetic NiFe <sub>2</sub> O <sub>4</sub> particles on poly(3,4-ethylenedioxythiophene)/graphene: Synthesis, characterization and their excellent microwave absorption properties. <b>2014</b> , 95, 107-113		61
1728	Hollow and yolk-shell iron oxide nanostructures on few-layer graphene in Li-ion batteries. <b>2014</b> , 20, 2022-30		36
1727	Graphene-Wrapped Mesoporous Cobalt Oxide Hollow Spheres Anode for High-Rate and Long-Life Lithium Ion Batteries. <b>2014</b> , 118, 2263-2272		107
1726	Graphene networks anchored with Sn@graphene as lithium ion battery anode. <i>ACS Nano</i> , <b>2014</b> , 8, 1728-38.7		533
1725	Recent progress in electrode materials produced by spray pyrolysis for next-generation lithium ion batteries. <b>2014</b> , 25, 18-31		60
1724	A three dimensional SiO <sub>x</sub> /C@RGO nanocomposite as a high energy anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 3521-3527	13	112
1723	Modified graphite and graphene electrodes for high-performance lithium ion hybrid capacitors. <b>2014</b> , 3, 1		26
1722	Fabrication of Co <sub>3</sub> O <sub>4</sub> /graphene oxide composites using supercritical fluid and their catalytic application for the decomposition of ammonium perchlorate. <b>2014</b> , 16, 2001		56
1721	Net-structured Co <sub>3</sub> O <sub>4</sub> /C nanosheet array with enhanced electrochemical performance toward lithium storage. <b>2014</b> , 51, 112-118		10
1720	Porous CuCo <sub>2</sub> O <sub>4</sub> nanocubes wrapped by reduced graphene oxide as high-performance lithium-ion battery anodes. <b>2014</b> , 6, 6551-6		119
1719	Ultrasmall Fe <sub>3</sub> O <sub>4</sub> Nanoparticle/MoS <sub>2</sub> Nanosheet composites with superior performances for lithium ion batteries. <b>2014</b> , 10, 1536-43		232
1718	Facile chemical bath deposition of Co <sub>3</sub> O <sub>4</sub> nanowires on nickel foam directly as conductive agent- and binder-free anode for lithium ion batteries. <b>2014</b> , 40, 11377-11380		18
1717	Self-assembling synthesis of free-standing nanoporous graphene-transition-metal oxide flexible electrodes for high-performance lithium-ion batteries and supercapacitors. <b>2014</b> , 9, 206-11		53
1716	Synthesis of nitrogen-doped activated graphene aerogel/gold nanoparticles and its application for electrochemical detection of hydroquinone and o-dihydroxybenzene. <b>2014</b> , 6, 5458-66		79
1715	Three dimensional graphene foam supported platinum/ ruthenium bimetallic nanocatalysts for direct methanol and direct ethanol fuel cell applications. <b>2014</b> , 256, 329-335		56
1714	Review on recent progress of nanostructured anode materials for Li-ion batteries. <b>2014</b> , 257, 421-443		1494
1713	Nanoarchitected LiMn <sub>2</sub> O <sub>4</sub> /Graphene/ZnO Composites as Electrodes for Lithium Ion Batteries. <b>2014</b> , 30, 427-433		31

1712	Synthesis of the graphene/nickel oxide composite and its electrochemical performance for supercapacitors. <b>2014</b> , 39, 16171-16178		51
1711	Titanium oxide nanosheets: graphene analogues with versatile functionalities. <b>2014</b> , 114, 9455-86		482
1710	Composite graphene/semiconductor nanostructures for energy storage. <b>2014</b> , 213-266		
1709	Graphene and graphene-based materials for energy storage applications. <b>2014</b> , 10, 3480-98		546
1708	Challenges of "going nano": enhanced electrochemical performance of cobalt oxide nanoparticles by carbothermal reduction and in situ carbon coating. <b>2014</b> , 15, 2177-85		34
1707	Chemical Functionalization of Graphene for Biomedical Applications. <b>2014</b> , 95-138		8
1706	Immobilization of Metal and Metal Oxide Nanoparticles on Graphene. <b>2014</b> , 219-254		6
1705	TiO <sub>2</sub> /graphene nanocomposites as anode materials for high rate lithium-ion batteries. <b>2014</b> , 21, 1714-1718		8
1704	Self-assembly of Co <sub>3</sub> V <sub>2</sub> O <sub>8</sub> multilayered nanosheets: controllable synthesis, excellent Li-storage properties, and investigation of electrochemical mechanism. <i>ACS Nano</i> , <b>2014</b> , 8, 4474-87	16.7	210
1703	GeO <sub>x</sub> /Reduced Graphene Oxide Composite as an Anode for Li-Ion Batteries: Enhanced Capacity via Reversible Utilization of Li <sub>2</sub> O along with Improved Rate Performance. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 1059-1066	15.6	135
1702	In Situ Synthesis of ZnMn <sub>2</sub> O <sub>4</sub> /NiO and ZnMn <sub>2</sub> O <sub>4</sub> Nanohybrids as High Performance Lithium-Ion Battery Anodes. <b>2014</b> , 2014, 845-851		28
1701	Mesoporous NiCo <sub>2</sub> O <sub>4</sub> Nanowire Arrays Grown on Carbon Textiles as Binder-Free Flexible Electrodes for Energy Storage. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 2630-2637	15.6	663
1700	Improved lithium ion battery performance by mesoporous Co <sub>3</sub> O <sub>4</sub> nanosheets grown on self-standing NiSix nanowires on nickel foam. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 8483	13	46
1699	High-performance anode based on porous Co <sub>3</sub> O <sub>4</sub> nanodiscs. <b>2014</b> , 255, 125-129		55
1698	Ternary core/shell structure of Co <sub>3</sub> O <sub>4</sub> /NiO/C nanowire arrays as high-performance anode material for Li-ion battery. <b>2014</b> , 248, 115-121		51
1697	Nitrogen-doped porous carbon/Co <sub>3</sub> O <sub>4</sub> nanocomposites as anode materials for lithium-ion batteries. <b>2014</b> , 6, 7117-25		190
1696	Prussian blue-supported annealing chemical reaction route synthesized double-shelled Fe <sub>3</sub> O <sub>4</sub> /Co <sub>3</sub> O <sub>4</sub> hollow microcubes as anode materials for lithium-ion battery. <b>2014</b> , 6, 8098-107		100
1695	Scalable Solution-Grown High-Germanium-Nanoparticle-Loading Graphene Nanocomposites as High-Performance Lithium-Ion Battery Electrodes: An Example of a Graphene-Based Platform toward Practical Full-Cell Applications. <b>2014</b> , 26, 2172-2179		122

1694	Polymer-directed synthesis of metal oxide-containing nanomaterials for electrochemical energy storage. <b>2014</b> , 6, 106-21		36
1693	In situ synthesis of HMoO <sub>3</sub> /graphene composites as anode materials for lithium ion battery. <b>2014</b> , 143, 1111-1118		52
1692	Polyvinyl pyrrolidone-assisted synthesis of a Fe <sub>3</sub> O <sub>4</sub> /graphene composite with excellent lithium storage properties. <b>2014</b> , 4, 6379		20
1691	Halloysite nanotubes@reduced graphene oxide composite for removal of dyes from water and as supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 4264	13	75
1690	Enhanced nonlinear optical and optical limiting properties of graphene/ZnO hybrid organic glasses. <i>Carbon</i> , <b>2014</b> , 67, 214-220	10.4	57
1689	Graphene improving lithium-ion battery performance by construction of NiCo <sub>2</sub> O <sub>4</sub> /graphene hybrid nanosheet arrays. <b>2014</b> , 3, 88-94		179
1688	Mesoporous Co <sub>3</sub> O <sub>4</sub> nanosheets-3D graphene networks hybrid materials for high-performance lithium ion batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 118, 1-9	6.7	98
1687	Evaluating the performance of nanostructured materials as lithium-ion battery electrodes. <b>2014</b> , 7, 1-62		261
1686	A highly sensitive electrochemical sensor for nitrite detection based on Fe <sub>2</sub> O <sub>3</sub> nanoparticles decorated reduced graphene oxide nanosheets. <b>2014</b> , 148-149, 22-28		239
1685	One-step solvothermal preparation of Fe <sub>3</sub> O <sub>4</sub> /graphene composites at elevated temperature and their application as anode materials for lithium-ion batteries. <b>2014</b> , 4, 59981-59989		35
1684	3D nitrogen-doped graphene/Co(OH) <sub>2</sub> -nanoplate composites for high-performance electrochemical pseudocapacitors. <b>2014</b> , 4, 61753-61758		23
1683	Facile Synthesis of NiFe <sub>2</sub> O <sub>4</sub> /Reduced Graphene Oxide Hybrid with Enhanced Electrochemical Lithium Storage Performance. <b>2014</b> , 30, 1078-1083		19
1682	Facile synthesis of graphene-clamped nanostructured SnO <sub>2</sub> materials for lithium-ion batteries. <b>2014</b> , 4, 64402-64409		9
1681	Chemically bonded phosphorus/graphene hybrid as a high performance anode for sodium-ion batteries. <b>2014</b> , 14, 6329-35		380
1680	Unravelling the correlation between the aspect ratio of nanotubular structures and their electrochemical performance to achieve high-rate and long-life lithium-ion batteries. <b>2014</b> , 53, 13488-92		152
1679	Enhanced electrocatalytic performance of cobalt oxide nanocubes incorporating reduced graphene oxide as a modified platinum electrode for methanol oxidation. <b>2014</b> , 4, 62793-62801		65
1678	CoFeO-Graphene Nanocomposites Synthesized through An Ultrasonic Method with Enhanced Performances as Anode Materials for Li-ion Batteries. <i>Nano-Micro Letters</i> , <b>2014</b> , 6, 307-315	19.5	65
1677	UV-Assisted Photoreduction of Graphene Oxide into Hydrogels: High-Rate Capacitive Performance in Supercapacitor. <b>2014</b> , 118, 25924-25930		40

1676	CoMoO <sub>4</sub> nanoparticles anchored on reduced graphene oxide nanocomposites as anodes for long-life lithium-ion batteries. <b>2014</b> , 6, 20414-22		107
1675	Assembly of MnO <sub>2</sub> nanowires@reduced graphene oxide hybrid with an interconnected structure for a high performance lithium ion battery. <b>2014</b> , 4, 54416-54421		16
1674	A nanocomposite of tin dioxide octahedral nanocrystals exposed to high-energy facets anchored onto graphene sheets for high performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 13990	13	27
1673	The glucose-assisted synthesis of a graphene nanosheet/NiO composite for high-performance supercapacitors. <b>2014</b> , 38, 2320		51
1672	Graphene supported mesoporous single crystal silicon on Cu foam as a stable lithium-ion battery anode. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16360-16364	13	34
1671	High-performance amorphous carbon/graphene nanocomposite anode for lithium-ion batteries. <b>2014</b> , 4, 18899		16
1670	One-step synthesis of Ni <sub>3</sub> S <sub>2</sub> nanoparticles wrapped with in situ generated nitrogen-self-doped graphene sheets with highly improved electrochemical properties in Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 3142	13	116
1669	CuGeO <sub>3</sub> nanowires covered with graphene as anode materials of lithium ion batteries with enhanced reversible capacity and cyclic performance. <b>2014</b> , 6, 8350-8		47
1668	One-pot low-temperature synthesis of a MnFe <sub>2</sub> O <sub>4</sub> /graphene composite for lithium ion battery applications. <b>2014</b> , 4, 28421-28425		34
1667	Probing electron transfer dynamics of pyranine with reduced graphene oxide. <b>2014</b> , 16, 20878-86		16
1666	Free-standing cobalt hydroxide nanoplatelet array formed by growth of preferential-orientation on graphene nanosheets as anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 20706-20713	13	43
1665	SnO <sub>2</sub> nanoparticles embedded in 3D nanoporous/solid copper current collectors for high-performance reversible lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 15519	13	25
1664	Scalable synthesis of graphene-wrapped Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> dandelion-like microspheres for lithium-ion batteries with excellent rate capability and long-cycle life. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 20221-20230	13	61
1663	Nanostructured Mn <sub>3</sub> O <sub>4</sub> /reduced graphene oxide hybrid and its applications for efficient catalytic decomposition of Orange II and high lithium storage capacity. <b>2014</b> , 4, 41838-41847		30
1662	Spontaneous assembly of strong and conductive graphene/polypyrrole hybrid aerogels for energy storage. <b>2014</b> , 6, 12912-20		81
1661	Enhanced rate and cycling performance of FeCO <sub>3</sub> /graphene composite for high energy Li ion battery anodes. <i>Electrochimica Acta</i> , <b>2014</b> , 148, 283-290	6.7	32
1660	MOF-derived porous ZnO/ZnFe <sub>2</sub> O <sub>4</sub> octahedra with hollow interiors for high-rate lithium-ion batteries. <b>2014</b> , 26, 6622-8		596
1659	Material Flow Analysis of Carbon Nanotube Lithium-Ion Batteries Used in Portable Computers. <b>2014</b> , 2, 1642-1648		18

1658	Reduced graphene oxide modified V <sub>2</sub> O <sub>3</sub> with enhanced performance for lithium-ion battery. <b>2014</b> , 137, 174-177		26
1657	Phosphorus-doped graphene-wrapped molybdenum disulfide hollow spheres as anode material for lithium-ion batteries. <b>2014</b> , 4, 50529-50535		28
1656	Interface chemistry engineering in electrode systems for electrochemical energy storage. <b>2014</b> , 4, 37491-37502		
1655	A novel graphene sheet-wrapped Co <sub>2</sub> (OH) <sub>3</sub> Cl composite as a long-life anode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16925-16930	13	33
1654	Construction of one-dimensional nanostructures on graphene for efficient energy conversion and storage. <b>2014</b> , 7, 2559		155
1653	Comparison of the electrochemical properties of yolk-shell and dense structured CoFe <sub>2</sub> O <sub>4</sub> powders prepared by a spray pyrolysis process. <b>2014</b> , 4, 40188		13
1652	A corn-like graphene/SnO <sub>2</sub> /carbon nanofiber composite as a high-performance Li-storage material. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 4524	13	20
1651	Graphene-SnO <sub>2</sub> nanocomposites decorated with quantum tunneling junctions: preparation strategies, microstructures and formation mechanism. <b>2014</b> , 16, 19351-7		9
1650	Theoretical investigations on one- and two-photon absorptions for a series of covalently functionalized hybrid materials based on graphene. <b>2014</b> , 38, 5391-5401		8
1649	Cobalt carbonate/ and cobalt oxide/graphene aerogel composite anodes for high performance Li-ion batteries. <b>2014</b> , 6, 18971-80		118
1648	Long-life and high-rate LiVPO <sub>4</sub> F/C nanocrystals modified with graphene as cathode material for lithium-ion batteries. <b>2014</b> , 268, 169-173		31
1647	Solution deposition of thin carbon coatings on LiFePO <sub>4</sub> . <b>2014</b> , 6, 21550-7		18
1646	In Situ Growth of Mesoporous NiO Nanoplates on Graphene Matrix as Anode Material for Lithium-Ion Batteries. <b>2014</b> , 905, 56-60		
1645	Facile synthesis of graphene-supported mesoporous Mn <sub>3</sub> O <sub>4</sub> nanosheets with a high-performance in Li-ion batteries. <b>2014</b> , 4, 5367		27
1644	One-step replication and enhanced catalytic activity for cathodic oxygen reduction of the mesostructured Co <sub>3</sub> O <sub>4</sub> /carbon composites. <b>2014</b> , 43, 4163-8		21
1643	Li- and Na-reduction products of meso-Co <sub>3</sub> O <sub>4</sub> form high-rate, stably cycling battery anode materials. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 14209-14221	13	42
1642	Enhanced electrochemical performances of FeOx/graphene nanocomposites as anode materials for alkaline nickel-ion batteries. <b>2014</b> , 4, 15394-15399		43
1641	Hydrothermal synthesis of Co <sub>3</sub> O <sub>4</sub> with different morphologies towards efficient Li-ion storage. <b>2014</b> , 4, 6083		47

1640	One-pot scalable synthesis of Cu <sub>2</sub> Fe <sub>2</sub> O <sub>4</sub> /graphene composites as anode materials for lithium-ion batteries with enhanced lithium storage properties. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 13892	13	44
1639	In situ growth of ultrafine tin oxide nanocrystals embedded in graphitized carbon nanosheets for use in high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 6960-6965	13	12
1638	CoO Hollow Cube/Reduced Graphene Oxide Composites with Enhanced Lithium Storage Capability. <b>2014</b> , 26, 5958-5964		122
1637	Facile synthesis of a mesoporous Co <sub>3</sub> O <sub>4</sub> network for Li-storage via thermal decomposition of an amorphous metal complex. <b>2014</b> , 6, 12476-81		50
1636	Two-dimensional Cr <sub>2</sub> O <sub>3</sub> and interconnected graphene/Cr <sub>2</sub> O <sub>3</sub> nanosheets: synthesis and their application in lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 944-948	13	44
1635	Graphene anchored with ZrO <sub>2</sub> nanoparticles as anodes of lithium ion batteries with enhanced electrochemical performance. <b>2014</b> , 4, 8472-8480		20
1634	Ultrathin and highly-ordered CoO nanosheet arrays for lithium-ion batteries with high cycle stability and rate capability. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5625-5630	13	90
1633	Sonochemical fabrication of Cu <sub>2</sub> O@C/graphene nanohybrid with a hierarchical architecture. <b>2014</b> , 220, 111-117		4
1632	WITHDRAWN: Hard Carbon Wrapped in Graphene Networks as Lithium Ion Battery Anode. <i>Electrochimica Acta</i> , <b>2014</b> , 149, 94-100	6.7	9
1631	Controlled synthesis of porous Co <sub>3</sub> O <sub>4</sub> /C hybrid nanosheet arrays and their application in lithium ion batteries. <b>2014</b> , 4, 30573-30578		14
1630	Nanoporous Cu <sub>2</sub> S composites based on carbon-nanotube aerogels. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 962-967	13	9
1629	Enhancing the electrochemical properties of NiFe <sub>2</sub> O <sub>4</sub> anode for lithium ion battery through a simple hydrogenation modification. <b>2014</b> , 39, 11258-11266		32
1628	Co <sub>3</sub> O <sub>4</sub> nanowires supported on 3D N-doped carbon foam as an electrochemical sensing platform for efficient H <sub>2</sub> O <sub>2</sub> detection. <b>2014</b> , 6, 11769-76		141
1627	Chemically integrated two-dimensional hybrid zinc manganate/graphene nanosheets with enhanced lithium storage capability. <i>ACS Nano</i> , <b>2014</b> , 8, 8610-6	16.7	137
1626	Enhanced electrochemical performance of flower-like Co <sub>3</sub> O <sub>4</sub> as an anode material for high performance lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 146, 270-277	6.7	53
1625	Free-standing Na <sub>2/3</sub> Fe <sub>1/2</sub> Mn <sub>1/2</sub> O <sub>2</sub> @graphene film for a sodium-ion battery cathode. <b>2014</b> , 6, 4242-7		76
1624	MnO <sub>2</sub> nanoflakes anchored on reduced graphene oxide nanosheets as high performance anode materials for lithium-ion batteries. <b>2014</b> , 4, 30150-30155		19
1623	Well-dispersed ultrafine Mn <sub>3</sub> O <sub>4</sub> nanocrystals on reduced graphene oxide with high electrochemical Li-storage performance. <b>2014</b> , 38, 4743-4747		22

1622	High-rate lithiation-induced reactivation of mesoporous hollow spheres for long-lived lithium-ion batteries. <b>2014</b> , 5, 4526		497
1621	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). <b>2014</b> , 6, 2439-49		188
1620	Graphene/NiO nanowires: controllable one-pot synthesis and enhanced pseudocapacitive behavior. <b>2014</b> , 6, 8246-56		94
1619	Rapid low-temperature synthesis of mesoporous nanophase ZnFe2O4 with enhanced lithium storage properties for Li-ion batteries. <b>2014</b> , 4, 49212-49218		44
1618	Superior cycling and rate performances of rattle-type CoMoO4 microspheres prepared by one-pot spray pyrolysis. <b>2014</b> , 4, 17873		27
1617	Mesoporous zinc ferrite/graphene composites: Towards ultra-fast and stable anode for lithium-ion batteries. <i>Carbon</i> , <b>2014</b> , 79, 493-499	10.4	58
1616	Graphene nanosheets encapsulated HMoO3 nanoribbons with ultrahigh lithium ion storage properties. <b>2014</b> , 16, 6745-6755		75
1615	Ultrafast synthesis of yolk-shell and cubic NiO Nanopowders and application in lithium ion batteries. <b>2014</b> , 6, 2312-6		81
1614	Advances and challenges for flexible energy storage and conversion devices and systems. <b>2014</b> , 7, 2101		650
1613	Application of Functional Hybrids Incorporating Carbon Nanotubes or Graphene. <b>2014</b> , 387-433		2
1612	Synthesis, characterization and cytotoxicity of europium incorporated ZnO/graphene nanocomposites on human MCF7 breast cancer cells. <b>2014</b> , 4, 37479-37490		42
1611	3D graphene supported MoO2 for high performance binder-free lithium ion battery. <b>2014</b> , 6, 9839-45		74
1610	Synthesis of ZnO quantum dot/graphene nanocomposites by atomic layer deposition with high lithium storage capacity. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 7319-7326	13	109
1609	High-performance tin oxide-nitrogen doped graphene aerogel hybrids as anode materials for lithium-ion batteries. <b>2014</b> , 270, 28-33		84
1608	High Performance Porous Anode Based on Template-Free Synthesis of Co3O4 Nanowires for Lithium-Ion Batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 139, 145-151	6.7	34
1607	Synthesis of copper sulfide nanowire bundles in a mixed solvent as a cathode material for lithium-ion batteries. <b>2014</b> , 269, 550-555		68
1606	Tin quantum dots embedded in nitrogen-doped carbon nanofibers as excellent anode for lithium-ion batteries. <b>2014</b> , 9, 61-70		111
1605	Micro-/nanostructured Co3O4 anode with enhanced rate capability for lithium-ion batteries. <b>2014</b> , 6, 7236-43		191

1604	In situ sonochemical synthesis of Fe <sub>3</sub> O <sub>4</sub> /graphene nanocomposite for lithium rechargeable batteries. <b>2014</b> , 83, 49-55		75
1603	Understanding the role of few-layer graphene nanosheets in enhancing the hydrogen sorption kinetics of magnesium hydride. <b>2014</b> , 6, 11038-46		63
1602	One-pot synthesis of bicrystalline titanium dioxide spheres with a core-shell structure as anode materials for lithium and sodium ion batteries. <b>2014</b> , 269, 37-45		83
1601	Fabrication and properties of Nd-La doped Sr <sub>2</sub> CuMgFe <sub>28</sub> O <sub>46</sub> nanoparticles anchored with sheets of reduced graphene oxide. <b>2014</b> , 40, 14501-14507		2
1600	Microwave irradiation synthesis of Co <sub>3</sub> O <sub>4</sub> quantum dots/graphene composite as anode materials for Li-ion battery. <i>Electrochimica Acta</i> , <b>2014</b> , 143, 175-179	6.7	67
1599	Unravelling the Correlation between the Aspect Ratio of Nanotubular Structures and Their Electrochemical Performance To Achieve High-Rate and Long-Life Lithium-Ion Batteries. <b>2014</b> , 126, 13706-13710		78
1598	Graphene-based nanocomposite anodes for lithium-ion batteries. <b>2014</b> , 6, 11528-52		135
1597	Li-Ion Storage Performance of Carbon-Coated Mn <sub>2</sub> O <sub>3</sub> Composite Oxides. <b>2014</b> , 118, 23559-23566		7
1596	SnO <sub>2</sub> @Co <sub>3</sub> O <sub>4</sub> hollow nano-spheres for a Li-ion battery anode with extraordinary performance. <b>2014</b> , 7, 1128-1136		112
1595	Sulfur Refines MoO <sub>2</sub> Distribution Enabling Improved Lithium Ion Battery Performance. <b>2014</b> , 118, 18387-18396		69
1594	Engineering single crystalline Mn <sub>3</sub> O <sub>4</sub> nano-octahedra with exposed highly active {011} facets for high performance lithium ion batteries. <b>2014</b> , 6, 6819-27		89
1593	Synthesis and electrochemical properties of vanadium oxide materials and structures as Li-ion battery positive electrodes. <b>2014</b> , 267, 831-873		114
1592	Green synthesis of silver nanoparticles on nitrogen-doped graphene for hydrogen peroxide detection. <i>Electrochimica Acta</i> , <b>2014</b> , 146, 646-653	6.7	93
1591	Fabrication of LiCoO <sub>2</sub> Crystal Layers Using a Flux Method and Their Application for Additive-Free Lithium-Ion Rechargeable Battery Cathodes. <b>2014</b> , 14, 1882-1887		29
1590	Diaminohexane-assisted preparation of coral-like, poly(benzoxazine)-based porous carbons for electrochemical energy storage. <b>2014</b> , 6, 11101-9		19
1589	Synthesis, characterization and morphology of reduced graphene oxide/metal/CNQ nanocomposites. <b>2014</b> , 2, 870-878		38
1588	Graphene-wrapped Ni <sub>2</sub> P materials: a 3D porous architecture with improved electrochemical performance. <b>2014</b> , 18, 2245-2253		12
1587	An advanced lithium-ion battery based on a graphene anode and a lithium iron phosphate cathode. <b>2014</b> , 14, 4901-6		347

1586	Large-scale synthesis of aligned Co <sub>3</sub> O <sub>4</sub> nanowalls on nickel foam and their electrochemical performance for Li-ion batteries. <b>2014</b> , 40, 15561-15568		17
1585	Enhanced electrode performance of Fe <sub>2</sub> O <sub>3</sub> nanoparticle-decorated nanomesh graphene as anodes for lithium-ion batteries. <b>2014</b> , 6, 7189-97		80
1584	Surface effects on electronic transport of 2D chalcogenide thin films and nanostructures. <b>2014</b> , 1, 18		23
1583	Enhanced performance of layered titanate nanowire-based supercapacitor electrodes by nickel ion exchange. <b>2014</b> , 6, 4578-86		87
1582	High performance of Ge@C nanocables as the anode for lithium ion batteries. <b>2014</b> , 4, 21450-21455		22
1581	Graphene nanoplates structured LiMnPO <sub>4</sub> /C composite for lithium-ion battery. <i>Electrochimica Acta</i> , <b>2014</b> , 116, 9-18	6.7	28
1580	Flexible nitrogen-doped graphene/carbon nanotube/Co <sub>3</sub> O <sub>4</sub> paper and its oxygen reduction activity. <b>2014</b> , 6, 7534-41		72
1579	Self-assembly of nano/micro-structured Fe <sub>3</sub> O <sub>4</sub> microspheres among 3D rGO/CNTs hierarchical networks with superior lithium storage performances. <b>2014</b> , 25, 225401		23
1578	Electrochemical Properties of Spinel Cobalt Ferrite Nanoparticles with Sodium Alginate as Interactive Binder. <i>ChemElectroChem</i> , <b>2014</b> , 1, 1068-1074	4.3	26
1577	In situ growth of mesoporous Co <sub>3</sub> O <sub>4</sub> nanoparticles on graphene as a high-performance anode material for lithium-ion batteries. <b>2014</b> , 119, 12-15		44
1576	Synergistic catalysis of Co <sub>3</sub> O <sub>4</sub> and graphene oxide on Co <sub>3</sub> O <sub>4</sub> /GO catalysts for degradation of Orange II in water by advanced oxidation technology based on sulfate radicals. <i>Chemical Engineering Journal</i> , <b>2014</b> , 240, 264-270	14.7	150
1575	The structure dependent electrochemical performance of porous Co <sub>3</sub> O <sub>4</sub> nanoplates as anode materials for lithium-ion batteries. <b>2014</b> , 251, 351-356		32
1574	Synthesis of novel yttrium-doped graphene oxide nanocomposite for dye removal. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 7897-7903	13	35
1573	Embedding NiCo <sub>2</sub> O <sub>4</sub> nanoparticles into a 3DHPC assisted by CO <sub>2</sub> -expanded ethanol: a potential lithium-ion battery anode with high performance. <b>2014</b> , 6, 10813-20		49
1572	Study on SnO <sub>2</sub> /graphene composites with superior electrochemical performance for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 9345	13	40
1571	Space-Confined Growth of MoS <sub>2</sub> Nanosheets within Graphite: The Layered Hybrid of MoS <sub>2</sub> and Graphene as an Active Catalyst for Hydrogen Evolution Reaction. <b>2014</b> , 26, 2344-2353		554
1570	Adsorption, photodegradation and antibacterial study of graphene/Fe <sub>3</sub> O <sub>4</sub> nanocomposite for multipurpose water purification application. <b>2014</b> , 4, 28300-28308		99
1569	Preparation of polydopamine-functionalized graphene/Fe <sub>3</sub> O <sub>4</sub> magnetic composites with high adsorption capacities. <b>2014</b> , 4, 30536-30541		42

1568	SnO <sub>2</sub> -CuO/graphene nanocomposites for high performance Li-ion battery anodes. <b>2014</b> , 57, 1081-1084		8
1567	Synthesis of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanostructural anode materials with high charge/discharge capability. <b>2014</b> , 59, 2162-2174		12
1566	Hydrothermal synthesis of NiCo <sub>2</sub> O <sub>4</sub> nanowires/nitrogen-doped graphene for high-performance supercapacitor. <i>Applied Surface Science</i> , <b>2014</b> , 314, 1000-1006	6.7	42
1565	Partially crystalline ZnGeO <sub>4</sub> nanorod/graphene composites as anode materials for high performance lithium ion batteries. <b>2014</b> , 30, 8215-20		47
1564	Ice templating synthesis of low-density porous Cu <sub>2</sub> S nanocomposites. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 18600-18605	13	9
1563	A novel anode material derived from organic-coated ZIF-8 nanocomposites with high performance in lithium ion batteries. <b>2014</b> , 50, 8057-60		132
1562	Straightforward Approach toward SiO <sub>2</sub> Nanospheres and Their Superior Lithium Storage Performance. <b>2014</b> , 118, 7357-7362		81
1561	Core-shell bimetallic carbide nanoparticles confined in a three-dimensional N-doped carbon conductive network for efficient lithium storage. <i>ACS Nano</i> , <b>2014</b> , 8, 7846-57	16.7	112
1560	Co <sub>3</sub> O <sub>4</sub> /porous electrospun carbon nanofibers as anodes for high performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16939-16944	13	102
1559	Graphene, inorganic graphene analogs and their composites for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 12104	13	215
1558	Enhanced electrochemical performance of MnO nanowire/graphene composite during cycling as the anode material for lithium-ion batteries. <b>2014</b> , 10, 172-180		162
1557	A minky-dot-fabric-shaped composite of porous TiO <sub>2</sub> microsphere/reduced graphene oxide for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16931-16938	13	41
1556	Hierarchically porous three-dimensional electrodes of CoMoO <sub>4</sub> and ZnCoO <sub>4</sub> and their high anode performance for lithium ion batteries. <b>2014</b> , 6, 10556-61		72
1555	Carbon-encapsulated pyrite as stable and earth-abundant high energy cathode material for rechargeable lithium batteries. <b>2014</b> , 26, 6025-30		192
1554	Surfactant-modified chemically reduced graphene oxide for electrochemical supercapacitors. <b>2014</b> , 4, 26398-26406		64
1553	Fe <sub>2</sub> O <sub>3</sub> @SnO <sub>2</sub> nanoparticle decorated graphene flexible films as high-performance anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 4598-4604	13	66
1552	"Butterfly effect" in CuO/graphene composite nanosheets: a small interfacial adjustment triggers big changes in electronic structure and Li-ion storage performance. <b>2014</b> , 6, 17236-44		86
1551	Flexible CoO/graphene/carbon nanofiber mats as binder-free anodes for lithium-ion batteries with superior rate capacity and cyclic stability. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5890-5897	13	117

1550	Electrochemical lithium storage of a ZnFe <sub>2</sub> O <sub>4</sub> /graphene nanocomposite as an anode material for rechargeable lithium ion batteries. <b>2014</b> , 4, 47087-47095		25
1549	Seed-assisted synthesis of Co <sub>3</sub> O <sub>4</sub> @Fe <sub>2</sub> O <sub>3</sub> core-shell nanoneedle arrays for lithium-ion battery anode with high capacity. <b>2014</b> , 4, 13241		39
1548	Electrochemical properties of graphene-MnO composite and hollow-structured MnO powders prepared by a simple one-pot spray pyrolysis process. <i>Electrochimica Acta</i> , <b>2014</b> , 132, 441-447	6.7	35
1547	A Facile Synthetic Approach to Reduced Graphene Oxide@Fe <sub>3</sub> O <sub>4</sub> Composite as High Performance Anode for Lithium-ion Batteries. <b>2014</b> , 30, 759-764		25
1546	Highly Ordered 3D Graphene-Based Polymer Composite Materials Fabricated by Particle-Constructing Method and Their Outstanding Conductivity. <b>2014</b> , 47, 1749-1756		46
1545	Electrospray deposition of a Co <sub>3</sub> O <sub>4</sub> nanoparticles/graphene composite for a binder-free lithium ion battery electrode. <b>2014</b> , 4, 1521-1525		26
1544	Flexible and Highly Scalable V <sub>2</sub> O <sub>5</sub> -rGO Electrodes in an Organic Electrolyte for Supercapacitor Devices. <b>2014</b> , 4, 1400236		243
1543	Cathodic performance of V <sub>2</sub> O <sub>5</sub> nanowires and reduced graphene oxide composites for lithium ion batteries. <b>2014</b> , 14, 215-221		45
1542	Controllable synthesis Co <sub>3</sub> O <sub>4</sub> nanorods and nanobelts and their excellent lithium storage performance. <b>2014</b> , 32, 88-93		25
1541	Uniformly loading NiO nanowalls on graphene and their extremely high capacity and cyclability as anodes of lithium-ion batteries. <b>2014</b> , 118, 66-68		34
1540	Green synthesis of reduced graphene oxide/Sr <sub>2</sub> CuMgFe <sub>28</sub> O <sub>46</sub> nanocomposite with tunable magnetic properties. <b>2014</b> , 40, 11957-11961		14
1539	The growth of cobalt oxides on HOPG and SiO <sub>2</sub> surfaces: A comparative study. <b>2014</b> , 624, 145-153		18
1538	Co <sub>3</sub> O <sub>4</sub> /nitrogen modified graphene electrode as Li-ion battery anode with high reversible capacity and improved initial cycle performance. <b>2014</b> , 3, 134-143		67
1537	SnS <sub>2</sub> nanoflakes decorated multiwalled carbon nanotubes as high performance anode materials for lithium-ion batteries. <b>2014</b> , 49, 319-324		55
1536	One-step synthesis of Fe <sub>3</sub> O <sub>4</sub> @C/reduced-graphite oxide nanocomposites for high-performance lithium ion batteries. <b>2014</b> , 75, 588-593		10
1535	Hierarchical Co <sub>3</sub> O <sub>4</sub> Nanoparticles Embedded in a Carbon Matrix for Lithium-Ion Battery Anode Materials. <i>Electrochimica Acta</i> , <b>2014</b> , 133, 16-22	6.7	41
1534	LiMn <sub>2</sub> O <sub>4</sub> nanoparticles anchored on graphene nanosheets as high-performance cathode material for lithium-ion batteries. <b>2014</b> , 209, 23-28		37
1533	Effects of acid vapour mediated oxidization on the electrochemical performance of thermally exfoliated graphene. <i>Carbon</i> , <b>2014</b> , 74, 195-206	10.4	23

1532	Ni/graphene Nanostructure and Its Electron-Enhanced Catalytic Action for Hydrogenation Reaction of Nitrophenol. <b>2014</b> , 118, 6307-6313		139
1531	Science and Engineering of Graphene Oxide. <b>2014</b> , 31, 619-638		29
1530	Enhanced electromagnetic wave absorption performances of Co <sub>3</sub> O <sub>4</sub> nanocube/reduced graphene oxide composite. <b>2014</b> , 194, 52-58		88
1529	Controllable synthesis and catalytic performance of graphene-supported metal oxide nanoparticles. <b>2014</b> , 35, 952-959		10
1528	Micro-spherical CoCO <sub>3</sub> anode for lithium-ion batteries. <b>2014</b> , 131, 236-239		36
1527	Promotive effect of multi-walled carbon nanotubes on Co <sub>3</sub> O <sub>4</sub> nanosheets and their application in lithium-ion battery. <b>2014</b> , 24, 184-190		5
1526	Chemically derived graphene. <b>2014</b> , 50-80		6
1525	Porous nano-structured Co <sub>3</sub> O <sub>4</sub> anode materials generated from coordination-driven self-assembled aggregates for advanced lithium ion batteries. <b>2014</b> , 6, 9689-94		76
1524	Graphene supported plasmonic photocatalyst for hydrogen evolution in photocatalytic water splitting. <b>2014</b> , 25, 265701		52
1523	Recent advances in tin dioxide materials: some developments in thin films, nanowires, and nanorods. <b>2014</b> , 114, 7442-86		128
1522	One-pot Hydrothermal Synthesis of 3D Flower-like RGO/Co <sub>3</sub> O <sub>4</sub> /Ni(OH) <sub>2</sub> Composite Film on Nickel Foam for High-performance Supercapacitors. <i>Electrochimica Acta</i> , <b>2014</b> , 135, 336-344	6.7	48
1521	In-plane Vacancy-Induced Growth of Ultra-High Loading Cobalt Oxide-Graphene Composite for High-Performance Lithium-Ion Batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 136, 330-339	6.7	12
1520	Core-shell SnO <sub>2</sub> @TiO <sub>2</sub> nanowires as the anode of lithium ion battery with high capacity and rate capability. <b>2014</b> , 128, 295-298		21
1519	Constructing Fe <sub>3</sub> O <sub>4</sub> @N-rich Carbon Core-Shell Microspheres as Anode for Lithium Ion Batteries with Enhanced Electrochemical Performance. <i>Electrochimica Acta</i> , <b>2014</b> , 130, 679-688	6.7	67
1518	Co <sub>3</sub> O <sub>4</sub> mesoporous nanostructures@graphene membrane as an integrated anode for long-life lithium-ion batteries. <b>2014</b> , 255, 52-58		92
1517	Graphene-Based Materials for Electrochemical Energy Storage. <b>2014</b> , 195-258		
1516	Applications of Graphene in Lithium Ion Batteries. <b>2014</b> , 65-136		
1515	A High-Performance Anode Material for Li-Ion Batteries Based on a Vertically Aligned CNTs/NiCo <sub>2</sub> O <sub>4</sub> Core/Shell Structure. <b>2014</b> , 31, 1151-1157		32

1514	Fe <sub>2</sub> O <sub>3</sub> /N <sub>2</sub> O <sub>2</sub> /Graphene films as flexible and binder-free anode materials for lithium-ion batteries. <b>2015</b> , 30, 2736-2746		11
1513	Carbon-Encapsulated Co <sub>3</sub> O <sub>4</sub> Nanoparticles as Anode Materials with Super Lithium Storage Performance. <b>2015</b> , 5, 16629		63
1512	Influence of PVP on Solvothermal Synthesized Fe <sub>3</sub> O <sub>4</sub> /Graphene Composites as Anodes for Lithium-ion Batteries. <b>2015</b> , 83, 619-623		3
1511	Microwave exfoliated graphene oxide/TiO <sub>2</sub> nanowire hybrid for high performance lithium ion battery. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 125102	2.5	14
1510	Elaborately Designed Hierarchical Heterostructures Consisting of Carbon-Coated TiO <sub>2</sub> (B) Nanosheets Decorated with Fe <sub>3</sub> O <sub>4</sub> Nanoparticles for Remarkable Synergy in High-Rate Lithium Storage. <b>2015</b> , 2, 1500239		39
1509	Superior Lithium-Ion Storage Properties of Mesoporous CuO-Reduced Graphene Oxide Composite Powder Prepared by a Two-Step Spray-Drying Process. <b>2015</b> , 21, 9179-84		25
1508	Facile Synthesis of Hexagonal NiCo <sub>2</sub> O <sub>4</sub> Nanoplates as High-Performance Anode Material for Li-Ion Batteries. <b>2015</b> , 36, 2330-2336		14
1507	Kinetics and thermodynamics of diquat removal from water using magnetic graphene oxide nanocomposite. <b>2015</b> , 93, 1713-1720		17
1506	Fabrication of Cu@MxOy (M = Cu, Mn, Co, Fe) Nanocable Arrays for Lithium-Ion Batteries with Long Cycle Lives and High Rate Capabilities. <b>2015</b> , 32, 1083-1091		4
1505	A Facile Method for Synthesis of Porous NiCo <sub>2</sub> O <sub>4</sub> Nanorods as a High-Performance Anode Material for Li-Ion Batteries. <b>2015</b> , 32, 1012-1019		60
1504	Scalable Production of Edge-Functionalized Graphene Nanoplatelets via Mechanochemical Ball-Milling. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6961-6975	15.6	105
1503	Face-to-Face Contact and Open-Void Coinvolved Si/C Nanohybrids Lithium-Ion Battery Anodes with Extremely Long Cycle Life. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 5395-5401	15.6	77
1502	Graphene-Containing Nanomaterials for Lithium-Ion Batteries. <b>2015</b> , 5, 1500400		153
1501	Controllable Synthesis of Mesoporous Peapod-like Co <sub>3</sub> O <sub>4</sub> @Carbon Nanotube Arrays for High-Performance Lithium-Ion Batteries. <b>2015</b> , 127, 7166-7170		39
1500	Self-Assembled 3D Graphene-Based Aerogel with Co <sub>3</sub> O <sub>4</sub> Nanoparticles as High-Performance Asymmetric Supercapacitor Electrode. <b>2015</b> , 8, 2917-26		110
1499	Formation of Yolk-Shelled Ni <sub>2</sub> Co Mixed Oxide Nanoprisms with Enhanced Electrochemical Performance for Hybrid Supercapacitors and Lithium Ion Batteries. <b>2015</b> , 5, 1500981		258
1498	A Facile Route to Metal Oxides/Single-Walled Carbon Nanotube Macrofilm Nanocomposites for Energy Storage. <b>2015</b> , 2,		7
1497	Mn <sub>3</sub> O <sub>4</sub> /CNTs composite as anode materials for lithium-ion batteries. <b>2015</b> , 31, 01005		1

1496	Aging Mechanisms of Electrode Materials in Lithium-Ion Batteries for Electric Vehicles. <b>2015</b> , 2015, 1-11		44
1495	A Facile Low-Temperature Hydrothermal Method to Prepare Anatase Titania/Cellulose Aerogels with Strong Photocatalytic Activities for Rhodamine B and Methyl Orange Degradations. <b>2015</b> , 2015, 1-8		6
1494	Synthesis and Microwave Absorption Properties of Core-Shell Structured Co <sub>3</sub> O <sub>4</sub> -PANI Nanocomposites. <b>2015</b> , 2015, 1-8		25
1493	A review of cathode materials and structures for rechargeable lithium-air batteries. <b>2015</b> , 8, 2144-2198		338
1492	Hollow Ball-in-Ball Co <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> Nanostructures: High-Performance Anode Materials for Lithium-Ion Battery. <b>2015</b> , 7, 11063-8		29
1491	A Novel Nanomaterial of Graphene Oxide Dotted with Ni Nanoparticles Produced by Supercritical CO <sub>2</sub> -Assisted Deposition for Reducing Friction and Wear. <b>2015</b> , 7, 11604-12		75
1490	Low Temperature Vacuum Synthesis of Triangular CoO Nanocrystal/Graphene Nanosheets Composites with Enhanced Lithium Storage Capacity. <b>2015</b> , 5, 10017		42
1489	Interconnected core-shell carbon nanotube-graphene nanoribbon scaffolds for anchoring cobalt oxides as bifunctional electrocatalysts for oxygen evolution and reduction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13371-13376	13	46
1488	Enhanced rate capability and cycling stability of core/shell structured CoFe <sub>2</sub> O <sub>4</sub> /onion-like C nanocapsules for lithium-ion battery anodes. <b>2015</b> , 644, 59-65		33
1487	Synthetic preparation of novel 3D Si/TiO <sub>2</sub> @Ni <sub>2</sub> O <sub>3</sub> composite nanorod arrays as anodes in lithium ion batteries. <b>2015</b> , 5, 37399-37404		8
1486	Synthesis of graphene@Fe <sub>3</sub> O <sub>4</sub> @C core-shell nanosheets for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 7036-7043	13	84
1485	High-performance electrospun nanostructured composite fiber anodes for lithium-ion batteries. <b>2015</b> , 662-689		1
1484	An Effective Way to Optimize the Functionality of Graphene-Based Nanocomposite: Use of the Colloidal Mixture of Graphene and Inorganic Nanosheets. <b>2015</b> , 5, 11057		36
1483	Rechargeable Co <sub>3</sub> O <sub>4</sub> porous nanoflake carbon nanotube nanocomposite lithium-ion battery anodes with enhanced energy performances. <b>2015</b> , 5, 46509-46516		20
1482	Free standing SnS <sub>2</sub> nanosheets on 3D graphene foam: an outstanding hybrid nanostructure anode for Li-ion batteries. <b>2015</b> , 2, 024010		31
1481	Graphene Oxide. <b>2015</b> ,		61
1480	Three-dimensional carbon-coated Si/rGO nanostructures anchored by nickel foam with carbon nanotubes for Li-ion battery applications. <b>2015</b> , 15, 679-687		46
1479	GO/rGO as Advanced Materials for Energy Storage and Conversion. <b>2015</b> , 97-127		

1478	Edge dislocation surface modification: A new and efficient strategy for realizing outstanding lithium storage performance. <b>2015</b> , 15, 558-566		35
1477	Graphene frameworks synthesized with Na <sub>2</sub> CO <sub>3</sub> as a renewable water-soluble substrate and their high rate capability for supercapacitors. <b>2015</b> , 293, 143-150		26
1476	Carbonaceous photonic crystals as ultralong cycling anodes for lithium and sodium batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13786-13793	13	17
1475	Graphene based metal and metal oxide nanocomposites: synthesis, properties and their applications. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18753-18808	13	446
1474	Self-Assembled Sandwich-like Vanadium Oxide/Graphene Mesoporous Composite as High-Capacity Anode Material for Lithium Ion Batteries. <b>2015</b> , 54, 11799-806		43
1473	Amorphous Ultrathin SnO <sub>2</sub> Films by Atomic Layer Deposition on Graphene Network as Highly Stable Anodes for Lithium-Ion Batteries. <b>2015</b> , 7, 27735-42		49
1472	A comprehensive review of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> -based electrodes for lithium-ion batteries: The latest advancements and future perspectives. <b>2015</b> , 98, 1-71		389
1471	Fluorine-Doped Tin Oxide Nanocrystal/Reduced Graphene Oxide Composites as Lithium Ion Battery Anode Material with High Capacity and Cycling Stability. <b>2015</b> , 7, 27486-93		49
1470	Hierarchical 3D ZnIn <sub>2</sub> S <sub>4</sub> /graphene nano-heterostructures: their in situ fabrication with dual functionality in solar hydrogen production and as anodes for lithium ion batteries. <b>2015</b> , 17, 31850-61		50
1469	Morphology-controlled synthesis of monodispersed graphitic carbon coated core/shell structured Ni/NiO nanoparticles with enhanced magnetoresistance. <b>2015</b> , 17, 32398-412		36
1468	Microwave-assisted synthesis of Co <sub>3</sub> O <sub>4</sub> /graphene sheet-on-sheet nanocomposites and electrochemical performances for lithium ion batteries. <b>2015</b> , 72, 43-49		26
1467	A hexagonal ring-core NiCo <sub>2</sub> O <sub>4</sub> porous nanosheet/NiO nanoparticle composite as an advanced anode material for LIBs and catalyst for CO oxidation applications. <b>2015</b> , 51, 14768-71		26
1466	Co <sub>3</sub> O <sub>4</sub> nanoparticles embedded in nitrogen-doped porous carbon dodecahedrons with enhanced electrochemical properties for lithium storage and water splitting. <b>2015</b> , 12, 1-8		193
1465	Ultrathin Ni(OH) <sub>2</sub> nanoplates vertically grown on nickel-coated carbon nanotubes as high-performance pseudocapacitor electrode materials. <b>2015</b> , 7, 974-9		46
1464	Synthesis of thiol-functionalized magnetic graphene as adsorbent for Cd(II) removal from aqueous systems. <b>2015</b> , 3, 617-621		24
1463	Hierarchical self-assembled structures based on nitrogen-doped carbon nanotubes as advanced negative electrodes for Li-ion batteries and 3D microbatteries. <b>2015</b> , 279, 581-592		38
1462	Towards superior volumetric performance: design and preparation of novel carbon materials for energy storage. <b>2015</b> , 8, 1390-1403		304
1461	Tin dioxide dodecahedral nanocrystals anchored on graphene sheets with enhanced electrochemical performance for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 159, 46-51	6.7	24

1460	Graphene/acid assisted facile synthesis of structure-tuned Fe <sub>3</sub> O <sub>4</sub> and graphene composites as anode materials for lithium ion batteries. <i>Carbon</i> , <b>2015</b> , 86, 310-317	10.4	57
1459	Hollow nanospheres of mesoporous Co <sub>9</sub> S <sub>8</sub> as a high-capacity and long-life anode for advanced lithium ion batteries. <b>2015</b> , 12, 528-537		256
1458	Rutile TiO <sub>2</sub> mesocrystals/reduced graphene oxide with high-rate and long-term performance for lithium-ion batteries. <b>2015</b> , 5, 8498		43
1457	Ultrathin Li <sub>3</sub> VO <sub>4</sub> nanoribbon/graphene sandwich-like nanostructures with ultrahigh lithium ion storage properties. <b>2015</b> , 12, 709-724		142
1456	One-step and rapid synthesis of nitrogen and sulfur co-doped graphene for hydrogen peroxide and glucose sensing. <i>Journal of Electroanalytical Chemistry</i> , <b>2015</b> , 742, 8-14	4.1	38
1455	Three-dimensional layer-by-layer anode structure based on Co <sub>3</sub> O <sub>4</sub> nanoplates strongly tied by capillary-like multiwall carbon nanotubes for use in high-performance lithium-ion batteries. <b>2015</b> , 7, 3861-5		30
1454	In situ growth of MOFs on the surface of Si nanoparticles for highly efficient lithium storage: Si@MOF nanocomposites as anode materials for lithium-ion batteries. <b>2015</b> , 7, 2178-82		96
1453	Mechanical properties of two-dimensional graphyne sheet, analogous system of BN sheet and graphyne-like BN sheet. <b>2015</b> , 212, 46-52		33
1452	Fe <sub>3</sub> O <sub>4</sub> @porous carbon hybrid as the anode material for a lithium-ion battery: performance optimization by composition and microstructure tailoring. <b>2015</b> , 39, 3435-3443		16
1451	Cobalt oxide-carbon nanosheet nanoarchitecture as an anode for high-performance lithium-ion battery. <b>2015</b> , 7, 2882-90		92
1450	Ternary SnO <sub>2</sub> @PANI/rGO nanohybrids as excellent anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 157, 205-210	6.7	25
1449	Mesoscopic architectures of Co(OH) <sub>2</sub> spheres with an extended array of microporous threads as pseudocapacitor electrode materials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 470, 280-289	5.1	3
1448	Electrospun hollow glassy carbon/reduced graphene oxide nanofibers with encapsulated ZnO nanoparticles: a free standing anode for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5344-5351	13	75
1447	Hierarchical porous SnO <sub>2</sub> /Mn <sub>2</sub> O <sub>3</sub> core/shell microspheres as advanced anode materials for lithium-ion batteries. <b>2015</b> , 145, 104-107		17
1446	CO <sub>2</sub> assisted synthesis of highly dispersed Co <sub>3</sub> O <sub>4</sub> nanoparticles on mesoporous carbon for lithium ion battery. <b>2015</b> , 633, 65-70		18
1445	Raman scattering and optical properties of lithium nanoparticles obtained by green synthesis. <b>2015</b> , 77, 5-9		18
1444	Facile general strategy toward hierarchical mesoporous transition metal oxides arrays on three-dimensional macroporous foam with superior lithium storage properties. <b>2015</b> , 13, 77-91		154
1443	Structural and Chemical Evolution of Amorphous Nickel Iron Complex Hydroxide upon Lithiation/Delithiation. <b>2015</b> , 27, 1583-1589		13

1442	A silver-nanoparticle-catalyzed graphite composite for electrochemical energy storage. <b>2015</b> , 275, 688-693		13
1441	Growth of Ultrathin ZnCoO Nanosheets on Reduced Graphene Oxide with Enhanced Lithium Storage Properties. <b>2015</b> , 2, 1400014		138
1440	A flexible ligand-based wavy layered metal-organic framework for lithium-ion storage. <b>2015</b> , 445, 320-325		83
1439	Evaluation of Electrochemically Reduced Gold Nanoparticle-Graphene Nanocomposites for the Determination of Dopamine. <b>2015</b> , 48, 1437-1453		10
1438	Lithium-ion batteries (LIBs) for medium- and large-scale energy storage. <b>2015</b> , 213-289		4
1437	Ultrahigh Capacity Due to Multi-Electron Conversion Reaction in Reduced Graphene Oxide-Wrapped MoO <sub>2</sub> Porous Nanobelts. <b>2015</b> , 11, 2446-53		50
1436	Microwave-assisted synthesis of mesoporous Co <sub>3</sub> O <sub>4</sub> nanoflakes for applications in lithium ion batteries and oxygen evolution reactions. <b>2015</b> , 7, 3306-13		141
1435	Graphene-Based Energy Devices. <b>2015</b> , 85-122		1
1434	Synergistic effect of manganese oxide nanoparticles and graphene nanosheets in composite anodes for lithium ion batteries. <b>2015</b> , 2, 015503		1
1433	Hierarchical architected NiS@SiO <sub>2</sub> nanoparticles enveloped in graphene sheets as anode material for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 155, 85-92	6.7	40
1432	Electrochemically Alternating Voltage Induced Mn <sub>3</sub> O <sub>4</sub> /Graphite Powder Composite with Enhanced Electrochemical Performances for Lithium-ion Batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 155, 157-163	6.7	27
1431	Chemical power source based on layered double hydroxides. <b>2015</b> , 19, 1933-1948		23
1430	Synthesis and electrochemical performance of ZnCo <sub>2</sub> O <sub>4</sub> for lithium-ion battery application. <i>Electrochimica Acta</i> , <b>2015</b> , 155, 297-304	6.7	55
1429	Template-free synthesis of hollow-structured Co <sub>3</sub> O <sub>4</sub> nanoparticles as high-performance anodes for lithium-ion batteries. <i>ACS Nano</i> , <b>2015</b> , 9, 1775-81	16.7	250
1428	Engineered Si sandwich electrode: Si nanoparticles/graphite sheet hybrid on ni foam for next-generation high-performance lithium-ion batteries. <b>2015</b> , 7, 1693-8		22
1427	Three-dimensional graphene-Co <sub>3</sub> O <sub>4</sub> cathodes for rechargeable Li <sub>2</sub> S batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 1504-1510	13	86
1426	Co <sub>3</sub> O <sub>4</sub> @MWCNT nanocable as cathode with superior electrochemical performance for supercapacitors. <b>2015</b> , 7, 2280-5		147
1425	Lithium-ion batteries (LIBs) for medium- and large-scale energy storage:: current cell materials and components. <b>2015</b> , 125-211		7

1424	Porous carbon nanotubes decorated with nanosized cobalt ferrite as anode materials for high-performance lithium-ion batteries. <b>2015</b> , 283, 289-299		67
1423	Two-dimensional nanocomposites based on tungsten oxide nanoplates and graphene nanosheets for high-performance lithium ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 163, 132-139	6.7	36
1422	General strategy to synthesize uniform mesoporous TiO <sub>2</sub> /graphene/mesoporous TiO <sub>2</sub> sandwich-like nanosheets for highly reversible lithium storage. <b>2015</b> , 15, 2186-93		248
1421	Design, synthesis, and characterization of graphene-nanoparticle hybrid materials for bioapplications. <b>2015</b> , 115, 2483-531		514
1420	Two-dimensional nanosheets based Li-ion full batteries with high rate capability and flexibility. <b>2015</b> , 12, 816-823		86
1419	Designed synthesis of cobalt-oxide-based nanomaterials for superior electrochemical energy storage devices. <b>2015</b> , 8, 321-339		58
1418	Silver nanoparticles-β-cyclodextrin-graphene nanocomposites based biosensor for guanine and adenine sensing. <i>Ionics</i> , <b>2015</b> , 21, 1751-1759	2.7	26
1417	Preparation of SnO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> /C biochar catalyst as a Lewis acid for corncob hydrolysis into furfural in water medium. <b>2015</b> , 26, 46-54		39
1416	Performance improvement of lithium ion batteries using magnetite-graphene nanocomposite anode materials synthesized by a microwave-assisted method. <b>2015</b> , 138, 47-51		10
1415	Recent advances on multi-component hybrid nanostructures for electrochemical capacitors. <b>2015</b> , 294, 31-50		94
1414	Nanoporous networks as caging supports for uniform, surfactant-free Co <sub>3</sub> O <sub>4</sub> nanocrystals and their applications in energy storage and conversion. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 15489-15497	13	15
1413	Facile Synthesis of Na <sub>0.33</sub> V <sub>2</sub> O <sub>5</sub> Nanosheet-Graphene Hybrids as Ultrahigh Performance Cathode Materials for Lithium Ion Batteries. <b>2015</b> , 7, 17433-40		65
1412	Adsorption behavior and removal mechanism of arsenic on graphene modified by iron-manganese binary oxide (FeMnOx/RGO) from aqueous solutions. <b>2015</b> , 5, 67951-67961		82
1411	Reduction of graphene oxide in Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18360-18364	13	26
1410	Mn-doped Co <sub>2</sub> (OH) <sub>3</sub> Cl xerogels with 3D interconnected mesoporous structures as lithium ion battery anodes with improved electrochemical performance. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 17659-17668	13	31
1409	In situ synthesis of mesoporous manganese oxide/sulfur-doped graphitized carbon as a bifunctional catalyst for oxygen evolution/reduction reactions. <i>Carbon</i> , <b>2015</b> , 94, 1028-1036	10.4	62
1408	Preparation of graphene supported flower-like porous 3D ZnO/NiO ternary composites for high capacity anode materials for Li-ion batteries. <b>2015</b> , 41, 13532-13540		23
1407	One-dimensional porous nanofibers of Co <sub>3</sub> O <sub>4</sub> on the carbon matrix from human hair with superior lithium ion storage performance. <b>2015</b> , 5, 12382		60

1406	Design and tailoring of three-dimensional graphene/vulcan carbon/Bi <sub>2</sub> S <sub>3</sub> ternary nanostructures for high-performance lithium-ion-battery anodes. <b>2015</b> , 5, 52687-52694		19
1405	Microwave-assisted synthesis of Mn <sub>3</sub> O <sub>4</sub> nanoparticles@reduced graphene oxide nanocomposites for high performance supercapacitors. <b>2015</b> , 70, 945-950		41
1404	A green and facile method toward synthesis of waste paper-derived 3D functional porous graphene via in situ activation of cobalt(II). <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 16072-16078	13	24
1403	Polyhedral MnO nanocrystals anchored on reduced graphene oxide as an anode material with superior lithium storage capability. <b>2015</b> , 41, 10680-10688		13
1402	Controlled synthesis of series Ni <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> products: Morphological evolution towards quasi-single-crystal structure for high-performance and stable lithium-ion batteries. <b>2015</b> , 5, 11584		16
1401	Improving the Anode Performance of WS <sub>2</sub> through a Self-Assembled Double Carbon Coating. <b>2015</b> , 119, 15874-15881		80
1400	Defect-engineered mesoporous ternary nanoarchitecture of zinc-cobalt-oxide/nitrogen-doped graphene as anode material in lithium ion batteries. <i>Carbon</i> , <b>2015</b> , 94, 455-463	10.4	32
1399	TiNb <sub>2</sub> O <sub>7</sub> /Graphene hybrid material as high performance anode for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 176, 285-292	6.7	85
1398	Ultrafast synthesis of MoS <sub>2</sub> or WS <sub>2</sub> -reduced graphene oxide composites via hybrid microwave annealing for anode materials of lithium ion batteries. <b>2015</b> , 295, 228-234		66
1397	Interfacial Adsorption and Redox Coupling of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> with Nanographene for High-Rate Lithium Storage. <b>2015</b> , 7, 16565-72		28
1396	Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /Co <sub>3</sub> O <sub>4</sub> Composite for Improved Performance in Lithium-Ion Batteries. <b>2015</b> , 162, A1978-A1983		20
1395	Synthesis of cambered nano-walls of SnO <sub>2</sub> /rGO composites using a recyclable melamine template for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 17635-17643	13	42
1394	High reversible capacity and rate capability of ZnCo <sub>2</sub> O <sub>4</sub> /graphene nanocomposite anode for high performance lithium ion batteries. <b>2015</b> , 48, 90-96		8
1393	Orientated Co <sub>3</sub> O <sub>4</sub> Nanocrystals on MWCNTs as Superior Battery-Type Positive Electrode Material for a Hybrid Capacitor. <b>2015</b> , 162, A1966-A1971		48
1392	Synthesis of nano-Cu/graphene oxide composites by supercritical CO <sub>2</sub> -assisted deposition as a novel material for reducing friction and wear. <i>Chemical Engineering Journal</i> , <b>2015</b> , 281, 11-19	14.7	72
1391	Enhanced performance of SnO <sub>2</sub> /Ti composite fibers containing NiO as lithium-ion battery anodes. <b>2015</b> , 41, 11213-11220		9
1390	Three dimensional nitrogen-doped graphene aerogels functionalized with melamine for multifunctional applications in supercapacitors and adsorption. <b>2015</b> , 230, 224-232		52
1389	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> , <b>2015</b> , 3, 19738-19746	13	121

1388	Green and facile synthesis of Fe <sub>3</sub> O <sub>4</sub> and graphene nanocomposites with enhanced rate capability and cycling stability for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 16206-16212	13	47
1387	Synthesis of multimodal porous ZnCo <sub>2</sub> O <sub>4</sub> and its electrochemical properties as an anode material for lithium ion batteries. <b>2015</b> , 294, 112-119		83
1386	Graphene/SnO <sub>2</sub> nanocomposite-modified electrode for electrochemical detection of dopamine. <b>2015</b> , 5, 42-49		58
1385	Synthesis of three-dimensionally interconnected sulfur-rich polymers for cathode materials of high-rate lithium-sulfur batteries. <b>2015</b> , 6, 7278		300
1384	A novel monolithic three-dimensional graphene-based composite with enhanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 14887-14893	13	12
1383	Synthesis of Mn <sub>3</sub> O <sub>4</sub> -Based Aerogels and Their Lithium-Storage Abilities. <b>2015</b> , 10, 960		12
1382	An experimental insight into the advantages of in situ solvothermal route to construct 3D graphene-based anode materials for lithium-ion batteries. <b>2015</b> , 16, 235-246		56
1381	Nb <sub>2</sub> O <sub>5</sub> /graphene nanocomposites for electrochemical energy storage. <b>2015</b> , 5, 59997-60004		54
1380	A review on porous negative electrodes for high performance lithium-ion batteries. <b>2015</b> , 22, 1313-1343		33
1379	Anchoring Fe <sub>3</sub> O <sub>4</sub> nanoparticles on three-dimensional carbon nanofibers toward flexible high-performance anodes for lithium-ion batteries. <b>2015</b> , 294, 414-419		106
1378	Spherical-like ZnSe with facile synthesis as a potential electrode material for lithium ion batteries. <b>2015</b> , 146, 96-98		28
1377	Ultra-tiny Co(OH) <sub>2</sub> particles supported on graphene oxide for highly efficient electrocatalytic water oxidation. <b>2015</b> , 5, 39075-39079		22
1376	Reduced Graphene Oxide Composite with Oxidizable Manganese/Cobalt Mixed Oxide for p-Cresol Oxidation by Using Molecular Oxygen. <b>2015</b> , 80, 1164-1169		5
1375	Nanostructured ZnSe Anchored on Graphene Nanosheets with Superior Electrochemical Properties for Lithium ion Batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 168, 285-291	6.7	53
1374	Controllable Synthesis of Mesoporous Peapod-like Co <sub>3</sub> O <sub>4</sub> @Carbon Nanotube Arrays for High-Performance Lithium-Ion Batteries. <b>2015</b> , 54, 7060-4		318
1373	3D intra-stacked CoO/carbon nanocomposites welded by Ag nanoparticles for high-capacity, reversible lithium storage. <b>2015</b> , 7, 10368-76		22
1372	Carbon-Coated Mesoporous TiO <sub>2</sub> Nanocrystals Grown on Graphene for Lithium-Ion Batteries. <b>2015</b> , 7, 10395-400		48
1371	Cobalt oxide modified porous carbon anode enhancing electrochemical performance for Li-ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 167, 246-253	6.7	26

1370	Facile Synthesis of Cu <sub>2</sub> O/RGO/Ni(OH) <sub>2</sub> Nanocomposite and its Double Synergistic Effect on Supercapacitor Performance. <i>Electrochimica Acta</i> , <b>2015</b> , 165, 314-322	6.7	52
1369	Multi-walled carbon nanotube-reinforced porous iron oxide as a superior anode material for lithium ion battery. <b>2015</b> , 640, 8-14		10
1368	Sulfur-doped graphene-supported Ag nanoparticles for nonenzymatic hydrogen peroxide detection. <b>2015</b> , 17, 1		16
1367	Graphene oxides-guided growth of ultrafine Co <sub>3</sub> O <sub>4</sub> nanocrystallites from MOFs as high-performance anode of Li-ion batteries. <i>Carbon</i> , <b>2015</b> , 92, 119-125	10.4	83
1366	Facile synthesis of NZMC/Co <sub>3</sub> O <sub>4</sub> composite electrode materials at low temperature and its application in electrochemical capacitor. <b>2015</b> , 19, 1717-1725		2
1365	The investigation of reduced graphene oxide@ SnO <sub>2</sub> /polyaniline composite thin films for ammonia detection at room temperature. <b>2015</b> , 26, 833-841		25
1364	Graphene Nanoarchitectonics: Approaching the Excellent Properties of Graphene from Microscale to Macroscale. <b>2015</b> , 25, 179-188		26
1363	Preparation and application of magnetic graphene oxide composite for the highly efficient immobilization of U(VI) from aqueous solutions. <b>2015</b> , 306, 221-229		10
1362	Magnetite/carbon nanotubes nanocomposite: facile hydrothermal synthesis and enhanced cycling performance and high-rate capability as anode material for lithium-ion batteries. <i>Ionics</i> , <b>2015</b> , 21, 635-643	2.7	5
1361	Synthesis, characterization, scale-up and catalytic behaviour of Co <sub>3</sub> O <sub>4</sub> nanoparticles. <b>2015</b> , 38, 297-301		6
1360	Desired crystal oriented LiFePO <sub>4</sub> nanoplatelets in situ anchored on a graphene cross-linked conductive network for fast lithium storage. <b>2015</b> , 7, 8819-28		92
1359	Electrophoretic deposition of hierarchical Co <sub>3</sub> O <sub>4</sub> @graphene hybrid films as binder-free anodes for high-performance lithium-ion batteries. <b>2015</b> , 5, 33438-33444		30
1358	Bioapplication of graphene oxide derivatives: drug/gene delivery, imaging, polymeric modification, toxicology, therapeutics and challenges. <b>2015</b> , 5, 42141-42161		142
1357	Coaxial carbon nanofiber/NiO core-shell nanocables as anodes for lithium ion batteries. <b>2015</b> , 5, 23548-23555		26
1356	Recent advancement of nanostructured carbon for energy applications. <b>2015</b> , 115, 5159-223		598
1355	2D hybrid anode based on SnS nanosheet bonded with graphene to enhance electrochemical performance for lithium-ion batteries. <b>2015</b> , 5, 46941-46946		61
1354	Nanoengineered three-dimensional hybrid Fe <sub>2</sub> O <sub>3</sub> @PPy nanotube arrays with enhanced electrochemical performances as lithium-ion anodes. <b>2015</b> , 50, 5504-5513		22
1353	Graphene-wrapped mesoporous MnCO <sub>3</sub> single crystals synthesized by a dynamic floating electrodeposition method for high performance lithium-ion storage. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 14126-14133	13	46

1352	Hybrid of porous cobalt oxide nanospheres and nitrogen-doped graphene for applications in lithium-ion batteries and oxygen reduction reaction. <b>2015</b> , 290, 25-34		67
1351	The structure control of ZnS/graphene composites and their excellent properties for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13384-13389	13	128
1350	A general method of fabricating flexible spinel-type oxide/reduced graphene oxide nanocomposite aerogels as advanced anodes for lithium-ion batteries. <i>ACS Nano</i> , <b>2015</b> , 9, 4227-35	16.7	105
1349	Designed hybrid nanostructure with catalytic effect: beyond the theoretical capacity of SnO <sub>2</sub> anode material for lithium ion batteries. <b>2015</b> , 5, 9164		100
1348	2D Space-Confined Synthesis of Few-Layer MoS <sub>2</sub> Anchored on Carbon Nanosheet for Lithium-Ion Battery Anode. <i>ACS Nano</i> , <b>2015</b> , 9, 3837-48	16.7	494
1347	Superior cycle performance and high reversible capacity of SnO <sub>2</sub> /graphene composite as an anode material for lithium-ion batteries. <b>2015</b> , 5, 9055		143
1346	The synergistic effect of metallic molybdenum dioxide nanoparticle decorated graphene as an active electrocatalyst for an enhanced hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 8055-8061	13	72
1345	Synthesis of shape-controlled NiO/graphene nanocomposites with enhanced supercapacitive properties. <b>2015</b> , 39, 4026-4034		40
1344	Ultra-small Co <sub>3</sub> O <sub>4</sub> nanoparticles-reduced graphene oxide nanocomposite as superior anodes for lithium-ion batteries. <b>2015</b> , 17, 8885-93		49
1343	Rational synthesis of ZnMn <sub>2</sub> O <sub>4</sub> porous spheres and graphene nanocomposite with enhanced performance for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 11430-11436	13	55
1342	Nanostructured porous manganese carbonate spheres with capacitive effects on the high lithium storage capability. <b>2015</b> , 7, 10146-51		48
1341	MnO-carbon hybrid nanofiber composites as superior anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 170, 164-170	6.7	49
1340	Facile fabrication of sandwich-structured Co <sub>3</sub> O <sub>4</sub> /N-rGO/AB hybrid with enhanced ORR electrocatalytic performances for metal-air batteries. <b>2015</b> , 5, 9057-9063		16
1339	Sn-Based Nanoparticles Encapsulated in a Porous 3D Graphene Network: Advanced Anodes for High-Rate and Long Life Li-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3488-3496	15.6	142
1338	Controlled synthesis and enhanced electrochemical performance of Prussian blue analogue-derived hollow FeCo <sub>2</sub> O <sub>4</sub> nanospheres as lithium-ion battery anodes. <b>2015</b> , 5, 36575-36581		42
1337	Core-shell structure carbon coated ferric oxide (Fe <sub>2</sub> O <sub>3</sub> @C) nanoparticles for supercapacitors with superior electrochemical performance. <b>2015</b> , 639, 422-427		25
1336	Reprocessable squeezing electrode fabrication of olive-like Fe/Co/O nanoparticle@three dimensional nitrogen-doped reduced graphene oxides for high performance lithium batteries. <b>2015</b> , 7, 7841-7848		5
1335	Reduced Graphene Oxide/Boron Nitride Composite Film as a Novel Binder-Free Anode for Lithium Ion Batteries with Enhanced Performances. <i>Electrochimica Acta</i> , <b>2015</b> , 166, 197-205	6.7	53

1334	Hierarchically mesoporous flower-like cobalt oxide/carbon nanofiber composites with shell-core structure as anodes for lithium ion batteries. <i>Carbon</i> , <b>2015</b> , 89, 197-207	10.4	41
1333	MnO QD/Graphene Dot Fabrics: A Versatile Nanohybrid Material. <i>ChemElectroChem</i> , <b>2015</b> , 2, 789-794	4.3	24
1332	Enhanced Electrochemical Performance of Fe <sub>0.74</sub> Sn <sub>5</sub> @Reduced Graphene Oxide Nanocomposite Anodes for Both Li-Ion and Na-Ion Batteries. <b>2015</b> , 7, 7912-9		49
1331	Synthesis of snowflake-shaped Co <sub>3</sub> O <sub>4</sub> with a high aspect ratio as a high capacity anode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 9689-9699	13	90
1330	LiFePO <sub>4</sub> wrapped reduced graphene oxide for high performance Li-ion battery electrode. <b>2015</b> , 50, 4244-4249	22	
1329	Hydrothermal synthesis of 3D Ni Co <sub>1</sub> B <sub>2</sub> particles/graphene composite hydrogels for high performance supercapacitors. <i>Carbon</i> , <b>2015</b> , 90, 44-52	10.4	60
1328	Designed synthesis of hollow Co <sub>3</sub> O <sub>4</sub> nanoparticles encapsulated in a thin carbon nanosheet array for high and reversible lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 8825-8831	13	50
1327	Nanocarbon/Metal Oxide Hybrids for Lithium Ion Batteries. <b>2015</b> , 87-118		
1326	Manganese dioxide-anchored three-dimensional nitrogen-doped graphene hybrid aerogels as excellent anode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 10403-10412	13	84
1325	Precursor-Controlled Synthesis of Nanocarbons for Lithium Ion Batteries. <b>2015</b> , 59-85		
1324	Influence of calcination temperature on the catalytic performance of Co <sub>3</sub> O <sub>4</sub> /GO nanocomposites for Orange II degradation. <b>2015</b> , 5, 34125-34133		23
1323	Electrospun manganese-cobalt oxide hollow nanofibres synthesized via combustion reactions and their lithium storage performance. <b>2015</b> , 7, 8351-5		97
1322	Facile Hydrothermal Preparation of ZNO/CO <sub>3</sub> O <sub>4</sub> Heterogeneous Nanostructures and its Photovoltaic Effect. <b>2015</b> , 9, 211-220		1
1321	Coaxial three-dimensional CoMoO <sub>4</sub> nanowire arrays with conductive coating on carbon cloth for high-performance lithium ion battery anode. <b>2015</b> , 300, 132-138		67
1320	Remarkable electrochemical lithium storage behaviour of two-dimensional ultrathin Ni(OH) <sub>2</sub> nanosheets. <b>2015</b> , 5, 83757-83763		23
1319	Irradiated Graphene Loaded with SnO <sub>2</sub> Quantum Dots for Energy Storage. <i>ACS Nano</i> , <b>2015</b> , 9, 11351-61	16.7	63
1318	N-doped carbon encapsulated ultrathin MoO <sub>3</sub> nanosheets as superior anodes with high capacity and excellent rate capability for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 24245-24253	13	43
1317	Synthesis of chitosan grafted-polyaniline/Co <sub>3</sub> O <sub>4</sub> nanocube nanocomposites and their photocatalytic activity toward methylene blue dye degradation. <b>2015</b> , 5, 83857-83867		107

1316	A new insight into the LiTiOPO <sub>4</sub> as an anode material for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 185, 211-217	6.7	11
1315	Solid-solution-like ZnO/C composites as excellent anode materials for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 186, 165-173	6.7	39
1314	Hollow Nitrogen-doped Fe <sub>3</sub> O <sub>4</sub> /Carbon Nanocages with Hierarchical Porosities as Anode Materials for Lithium-ion Batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 186, 50-57	6.7	43
1313	Large-scale solvent-thermal synthesis of graphene/magnetite/conductive oligomer ternary composites for microwave absorption. <i>Science China Materials</i> , <b>2015</b> , 58, 566-573	7.1	17
1312	A porous graphene/carbon nanowire hybrid with embedded SnO <sub>2</sub> nanocrystals for high performance lithium ion storage. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 23844-23851	13	38
1311	Morphology-controlled synthesis and electrochemical performance of NiCo <sub>2</sub> O <sub>4</sub> as anode material in lithium-ion battery application. <b>2015</b> , 17, 1		3
1310	Effect of oxidation degree on the synthesis and adsorption property of magnetite/graphene nanocomposites. <i>Applied Surface Science</i> , <b>2015</b> , 359, 188-195	6.7	12
1309	Enhanced Supercapacitor Performance for Equal Co/Mn Stoichiometry in Colloidal Co <sub>3-x</sub> Mn <sub>x</sub> O <sub>4</sub> Nanoparticles, in Additive-Free Electrodes. <b>2015</b> , 27, 7861-7873		66
1308	Hierarchical CuCo <sub>2</sub> O <sub>4</sub> nanowire@NiCo <sub>2</sub> O <sub>4</sub> nanosheet core/shell arrays for high-performance supercapacitors. <b>2015</b> , 5, 69636-69641		43
1307	Chemically Integrated Multiwalled Carbon Nanotubes/Zinc Manganate Nanocrystals as Ultralong-Life Anode Materials for Lithium-Ion Batteries. <b>2015</b> , 3, 2170-2177		30
1306	Multi-slice nanostructured WS <sub>2</sub> @rGO with enhanced Li-ion battery performance and a comprehensive mechanistic investigation. <b>2015</b> , 17, 29824-33		42
1305	Validation of green composite containing nanocrystalline Mn <sub>2</sub> O <sub>3</sub> and biocarbon derived from human hair as a potential anode for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 23981-23989		26
1304	Fabrication of PANI-coated honeycomb-like MnO <sub>2</sub> nanospheres with enhanced electrochemical performance for energy storage. <i>Electrochimica Acta</i> , <b>2015</b> , 180, 977-982	6.7	45
1303	Enhanced Lithium Storage in Co <sub>3</sub> O <sub>4</sub> /carbon Anode for Li-ion Batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 182, 452-457	6.7	26
1302	Ultrasonication-assisted ultrafast preparation of multiwalled carbon nanotubes/Au/Co <sub>3</sub> O <sub>4</sub> tubular hybrids as superior anode materials for oxygen evolution reaction. <b>2015</b> , 300, 285-293		58
1301	Insights from investigations of tin dioxide and its composites: electron-beam irradiation, fractal assessment, and mechanism. <b>2015</b> , 7, 15532-52		6
1300	Facile synthesis of nanocage Co <sub>3</sub> O <sub>4</sub> for advanced lithium-ion batteries. <b>2015</b> , 298, 203-208		80
1299	Co <sub>3</sub> O <sub>4</sub> /C/graphene nanocomposites as novel anode materials for high capacity lithium ion batteries. <b>2015</b> , 5, 73677-73683		11

1298	NiO-Co <sub>3</sub> O <sub>4</sub> nanoplate composite as efficient anode in Li-ion battery. <i>Electrochimica Acta</i> , <b>2015</b> , 178, 590-596	6.7	55
1297	Elucidation of few layered graphene-complex metal oxide (A <sub>2</sub> Mo <sub>3</sub> O <sub>8</sub> , A = Co, Mn and Zn) composites as robust anode materials in Li ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 178, 699-708	6.7	39
1296	Synthesis of CoO/Reduced Graphene Oxide Composite as an Alternative Additive for the Nickel Electrode in Alkaline Secondary Batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 180, 373-381	6.7	12
1295	Ultrasound assisted synthesis of ZnO/reduced graphene oxide composites with enhanced photocatalytic activity and anti-photocorrosion. <i>Applied Surface Science</i> , <b>2015</b> , 356, 762-768	6.7	73
1294	Exfoliation of graphene via wet chemical routes. <b>2015</b> , 210, 123-132		100
1293	Unique synthesis of hollow Co <sub>3</sub> O <sub>4</sub> nanoparticles embedded in thin Al <sub>2</sub> O <sub>3</sub> nanosheets for enhanced lithium storage. <b>2015</b> , 7, 15983-9		18
1292	Growth of nickel silicate nanoplates on reduced graphene oxide as layered nanocomposites for highly reversible lithium storage. <b>2015</b> , 7, 16805-11		44
1291	Bonding between graphene and MoS <sub>2</sub> monolayers without and with Li intercalation. <b>2015</b> , 107, 043903		19
1290	Towards nanoprinting with metals on graphene. <b>2015</b> , 6, 8071		9
1289	The synthesis of shape-controlled $\beta$ -MoO <sub>3</sub> /graphene nanocomposites for high performance supercapacitors. <b>2015</b> , 39, 8780-8786		45
1288	One-step synthesis of the nickel foam supported network-like ZnO nanoarchitectures assembled with ultrathin mesoporous nanosheets with improved lithium storage performance. <b>2015</b> , 5, 81341-81347		17
1287	Self-adhesive Co <sub>3</sub> O <sub>4</sub> /expanded graphite paper as high-performance flexible anode for Li-ion batteries. <i>Carbon</i> , <b>2015</b> , 95, 494-496	10.4	39
1286	Facile hydrothermal synthesis of flower-like Co-doped NiO hierarchical nanosheets as anode materials for lithium-ion batteries. <b>2015</b> , 5, 91493-91499		24
1285	Dual roles of iron powder on the synthesis of LiFePO <sub>4</sub> @C/graphene cathode a nanocomposite for high-performance lithium ion batteries. <b>2015</b> , 5, 100018-100023		15
1284	Solid-state synthesis of Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> /reduced graphene oxide composites with enhanced lithium storage capability. <b>2015</b> , 300, 272-278		77
1283	Large scale production of nanoporous graphene sheets and their application in lithium ion battery. <i>Carbon</i> , <b>2015</b> , 84, 469-478	10.4	37
1282	Hydrogen-Enriched Reduced Graphene Oxide with Enhanced Electrochemical Performance in Lithium Ion Batteries. <b>2015</b> , 27, 266-275		47
1281	Three dimensional metal oxides/graphene composites and their applications in lithium ion batteries. <b>2015</b> , 5, 8814-8834		51

1280	Self-assembled FeS <sub>2</sub> cubes anchored on reduced graphene oxide as an anode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 2090-2096	13	102
1279	Interconnected three-dimensional V <sub>2</sub> O <sub>5</sub> /polypyrrole network nanostructures for high performance solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 488-493	13	121
1278	Carbon dioxide-induced homogeneous deposition of nanometer-sized cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) on graphene as high-rate and cycle-stable anode materials for lithium-ion batteries. <b>2015</b> , 275, 650-659		38
1277	Electrochemical reduction approach-based 3D graphene/Ni(OH) <sub>2</sub> electrode for high-performance supercapacitors. <i>Electrochimica Acta</i> , <b>2015</b> , 154, 9-16	6.7	41
1276	Nanostructured La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> compounds for effective electromagnetic interference shielding in the X-band frequency range. <b>2015</b> , 3, 820-827		34
1275	Highly stable rGO-wrapped Ni <sub>3</sub> S <sub>2</sub> nanobowls: Structure fabrication and superior long-life electrochemical performance in LIBs. <b>2015</b> , 11, 428-435		102
1274	Core-shell LiFePO <sub>4</sub> /carbon-coated reduced graphene oxide hybrids for high-power lithium-ion battery cathodes. <b>2015</b> , 21, 2132-8		39
1273	Synthesis, decoration and properties of three-dimensional graphene-based macrostructures: A review. <i>Chemical Engineering Journal</i> , <b>2015</b> , 264, 753-771	14.7	199
1272	Superior electrochemical properties of spherical-like Co <sub>2</sub> (OH) <sub>3</sub> Cl-reduced graphene oxide composite powders with ultrafine nanocrystals. <i>Carbon</i> , <b>2015</b> , 84, 14-23	10.4	19
1271	Hollow AuPt alloy nanoparticles as an enhanced immunosensing platform for detection of multiple analytes. <b>2015</b> , 5, 1867-1872		9
1270	In situ preparation of 3D graphene aerogels@hierarchical Fe <sub>3</sub> O <sub>4</sub> nanoclusters as high rate and long cycle anode materials for lithium ion batteries. <b>2015</b> , 51, 1597-600		73
1269	Pyrolytic carbon-coated Si nanoparticles on elastic graphene framework as anode materials for high-performance lithium-ion batteries. <i>Carbon</i> , <b>2015</b> , 82, 161-167	10.4	96
1268	Nanostructured anode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 2454-2484	57.4	
1267	Facile Synthesis of Co <sub>3</sub> O <sub>4</sub> -Graphene Composite as an Anode Material for Lithium-Ion Batteries With Enhanced Reversible Capacity and Cyclic Performance. <b>2015</b> , 45, 614-620		6
1266	Synthesis and calcinations effects on size analysis of Co <sub>3</sub> O <sub>4</sub> nanospheres and their superparamagnetic behaviors. <b>2015</b> , 375, 184-193		37
1265	Facile synthesis of monodisperse Co <sub>3</sub> O <sub>4</sub> mesoporous microdisks as an anode material for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 151, 109-117	6.7	47
1264	Self-assembly of Fe <sub>2</sub> O <sub>3</sub> /reduced graphene oxide hydrogel for high Li-storage. <b>2015</b> , 62, 19-23		24
1263	Dealloying to porous hybrid manganese oxides microspheres for high performance anodes in lithium ion batteries. <b>2015</b> , 274, 862-868		28

1262	Co <sub>2</sub> SnO <sub>4</sub> nanocrystals anchored on graphene sheets as high-performance electrodes for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 151, 203-213	6.7	38
1261	Rapid continuous synthesis of spherical reduced graphene ball-nickel oxide composite for lithium ion batteries. <b>2014</b> , 4, 5786		29
1260	Design and construction of three dimensional graphene-based composites for lithium ion battery applications. <b>2015</b> , 8, 456-477		224
1259	Orthorhombic niobium oxide nanowires for next generation hybrid supercapacitor device. <b>2015</b> , 11, 765-772		125
1258	Graphene-iron oxide nanocomposite (GINC): an efficient catalyst for ammonium perchlorate (AP) decomposition and burn rate enhancer for AP based composite propellant. <b>2015</b> , 5, 1950-1960		65
1257	Facile Synthesis of Graphene@NiO/MoO <sub>3</sub> Composite Nanosheet Arrays for High-performance Supercapacitors. <i>Electrochimica Acta</i> , <b>2015</b> , 151, 510-516	6.7	40
1256	Self-assembly of 2D sandwich-structured MnFe <sub>2</sub> O <sub>4</sub> /graphene composites for high-performance lithium storage. <b>2015</b> , 61, 369-374		25
1255	Scalable room-temperature synthesis of mesoporous nanocrystalline ZnMn <sub>2</sub> O <sub>4</sub> with enhanced lithium storage properties for lithium-ion batteries. <b>2015</b> , 21, 1262-8		55
1254	High interfacial storage capability of porous NiMn <sub>2</sub> O <sub>4</sub> /C hierarchical tremella-like nanostructures as the lithium ion battery anode. <b>2015</b> , 7, 225-31		132
1253	Co <sub>3</sub> O <sub>4</sub> nanocubes homogeneously assembled on few-layer graphene for high energy density lithium-ion batteries. <b>2015</b> , 274, 816-822		141
1252	Conversion mechanisms of cobalt oxide anode for Li-ion battery: In situ X-ray absorption fine structure studies. <b>2015</b> , 274, 748-754		52
1251	Facile fabrication of molybdenum dioxide/nitrogen-doped graphene hybrid as high performance anode material for lithium ion batteries. <b>2015</b> , 274, 142-148		51
1250	Facile and surfactant-free synthesis of SnO <sub>2</sub> -graphene hybrids as high performance anode for lithium-ion batteries. <i>Ionics</i> , <b>2015</b> , 21, 987-994	2.7	14
1249	Synthesis and utilisation of graphene for fabrication of electrochemical sensors. <b>2015</b> , 131, 424-43		141
1248	Electrochemical properties of yolk-shell structured ZnFe <sub>2</sub> O <sub>4</sub> powders prepared by a simple spray drying process as anode material for lithium-ion battery. <b>2014</b> , 4, 5857		75
1247	Mesoporous Co <sub>3</sub> O <sub>4</sub> sheets/3D graphene networks nanohybrids for high-performance sodium-ion battery anode. <b>2015</b> , 273, 878-884		151
1246	Mesoporous MFe <sub>2</sub> O <sub>4</sub> (M = Mn, Co, and Ni) for anode materials of lithium-ion batteries: Synthesis and electrochemical properties. <b>2015</b> , 61, 195-200		18
1245	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <b>2015</b> , 7, 4598-810		2015

1244	Synergistic Effect of Mesoporous Co <sub>3</sub> O <sub>4</sub> Nanowires Confined by N-Doped Graphene Aerogel for Enhanced Lithium Storage. <b>2016</b> , 12, 3849-60		70
1243	The Application of Graphene and Its Derivatives to Energy Conversion, Storage, and Environmental and Biosensing Devices. <b>2016</b> , 16, 1591-634		48
1242	Self-assembled flower-like NiFe <sub>2</sub> O <sub>4</sub> decorated on 2D graphene nanosheets composite and their excellent electrochemical performance as anode materials for LIBs. <b>2016</b> , 686, 905-913		21
1241	Graphene-Based Nanocomposites for Energy Storage. <b>2016</b> , 6, 1502159		233
1240	Low-Temperature Solution-Based Phosphorization Reaction Route to Sn <sub>4</sub> P <sub>3</sub> /Reduced Graphene Oxide Nanohybrids as Anodes for Sodium Ion Batteries. <b>2016</b> , 6, 1600376		159
1239	Synthesis and Characterization of 2D Molybdenum Carbide (MXene). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3118-3127	15.6	640
1238	Ethylene diamine mediated cobalt nanoparticle studded graphene oxide quantum dots with tunable photoluminescence properties. <b>2016</b> , 6, 67102-67112		6
1237	Graphene-Encapsulated Nanosheet-Assembled Zinc-Nickel-Cobalt Oxide Microspheres for Enhanced Lithium Storage. <b>2016</b> , 9, 186-96		28
1236	3D Interconnected Porous Graphene Sheets Loaded with Cobalt Oxide Nanoparticles for Lithium-Ion Battery Anodes. <b>2016</b> , 4, 816-822		5
1235	Large-Scale Production of Bismuth Chalcogenide and Graphene Heterostructure and Its Application for Flexible Broadband Photodetector. <b>2016</b> , 2, 1600077		29
1234	3D V <sub>3</sub> O <sub>7</sub> ·H <sub>2</sub> O/Partially Exfoliated Carbon Nanotube Composites with Significantly Improved Lithium Storage Ability. <b>2016</b> , 33, 531-537		11
1233	Rational combination of MnS/rGO nanocomposites for high-performance lithium-ion batteries. <b>2016</b> , 18, 6200-6204		23
1232	Core-Shell Low-Oxidation State Oxides@Reduced Graphene Oxide Cubes via Pressurized Reduction for Highly Stable Lithium Ion Storage. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2959-2965	15.6	33
1231	Hermetically Coated and Well-Separated Co <sub>3</sub> O <sub>4</sub> Nanophase within Porous Graphitic Carbon Nanosheets: Synthesis, Confinement Effect, and Improved Lithium-Storage Capacity and Durability. <b>2016</b> , 22, 9599-606		9
1230	Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /reduced graphene oxide composite as a high-rate anode material for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 209, 235-243	6.7	27
1229	Hierarchical Tubular Structures Composed of Co <sub>3</sub> O <sub>4</sub> Hollow Nanoparticles and Carbon Nanotubes for Lithium Storage. <b>2016</b> , 55, 5990-3		355
1228	MOF-Derived Porous Ni <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> Nanotubes with Excellent Performance in Lithium-Ion Batteries. <i>ChemElectroChem</i> , <b>2016</b> , 3, 299-308	4.3	29
1227	Assembly of SnSe Nanoparticles Confined in Graphene for Enhanced Sodium-Ion Storage Performance. <b>2016</b> , 22, 1445-51		69

1226	Macroporous Nanostructured Nb <sub>2</sub> O <sub>5</sub> with Surface Nb <sup>4+</sup> for Enhanced Lithium Ion Storage Properties. <b>2016</b> , 2, 675-680		24
1225	Template-Based Engineering of Carbon-Doped Co <sub>3</sub> O <sub>4</sub> Hollow Nanofibers as Anode Materials for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1428-1436	15.6	342
1224	Understanding Origin of Voltage Hysteresis in Conversion Reaction for Na Rechargeable Batteries: The Case of Cobalt Oxides. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5042-5050	15.6	54
1223	Atomic Layer-by-Layer Co <sub>3</sub> O <sub>4</sub> /Graphene Composite for High Performance Lithium-Ion Batteries. <b>2016</b> , 6, 1501835		275
1222	Carbon Nanomaterials in Different Dimensions for Electrochemical Energy Storage. <b>2016</b> , 6, 1600278		174
1221	Nanostructured Anode Materials for Lithium Ion Batteries: Progress, Challenge and Perspective. <b>2016</b> , 6, 1600374		294
1220	A facile and functional process to enhance electrochemical performance of silicon anode in lithium ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 222, 1538-1544	6.7	15
1219	A Safe High-Performance All-Solid-State Lithium-Vanadium Battery with a Freestanding VO Nanowire Composite Paper Cathode. <b>2016</b> , 8, 34309-34316		68
1218	Direct imaging charge distribution in reduced graphene oxide sheets induced by isolated charges. <b>2016</b> , 49, 415303		4
1217	Graphene/Inorganic Composites as Electrode Materials for Lithium-Ion Batteries. <b>2016</b> , 217-249		
1216	Enhanced electrochemical performance of ZnMoO <sub>4</sub> /reduced graphene oxide composites as anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 222, 838-844	6.7	29
1215	Phytotoxicity of graphene in tomatoes and bean. <b>2016</b> ,		0
1214	A facile method to prepare graphene-coat cotton and its application for lithium battery. <b>2016</b> , 20, 1251-1261		20
1213	Noncovalent Functionalization of Graphene and Graphene Oxide for Energy Materials, Biosensing, Catalytic, and Biomedical Applications. <b>2016</b> , 116, 5464-519		1546
1212	Increasing rigidness of carbon coating for improvement of electrochemical performances of Co <sub>3</sub> O <sub>4</sub> in Li-ion batteries. <i>Carbon</i> , <b>2016</b> , 104, 1-9	10.4	19
1211	Mesoporous Co <sub>3</sub> V <sub>2</sub> O <sub>8</sub> nanoparticles grown on reduced graphene oxide as a high-rate and long-life anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 6264-6270	13	86
1210	Elucidation of the Conversion Reaction of CoMnFeO <sub>4</sub> Nanoparticles in Lithium Ion Battery Anode via Operando Studies. <b>2016</b> , 8, 15320-32		29
1209	Novel Fe <sub>2</sub> P/graphitized carbon yolk/shell octahedra for high-efficiency hydrogen production and lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 9923-9930	13	31

1208	The influence of cobalt oxide/graphene hybrids on thermal degradation, fire hazards and mechanical properties of thermoplastic polyurethane composites. <b>2016</b> , 88, 10-18		85
1207	Synthesis of nanoparticles-assembled Co <sub>3</sub> O <sub>4</sub> microspheres as anodes for Li-ion batteries by spray pyrolysis of CoCl <sub>2</sub> solution. <i>Electrochimica Acta</i> , <b>2016</b> , 209, 456-463	6.7	33
1206	One-pot fabricating Fe <sub>3</sub> O <sub>4</sub> /graphene nanocomposite with excellent biocompatibility and non-toxicity as a negative MR contrast agent. <b>2016</b> , 145, 208-216		26
1205	Diffusion induced concave Co <sub>3</sub> O <sub>4</sub> @CoFe <sub>2</sub> O <sub>4</sub> hollow heterostructures for high performance lithium ion battery anode. <b>2016</b> , 4, 145-153		35
1204	Superior electrochemical properties of SiO <sub>2</sub> -doped Co <sub>3</sub> O <sub>4</sub> hollow nanospheres obtained through nanoscale Kirkendall diffusion for lithium-ion batteries. <b>2016</b> , 680, 366-372		13
1203	Cu <sub>2</sub> ZnSnS <sub>4</sub> /graphene nanocomposites for ultrafast, long life all-solid-state lithium batteries using lithium metal anode. <b>2016</b> , 4, 59-65		67
1202	Strongly coupled MoS <sub>2</sub> @graphene materials for ultrafast charge slow discharge LIBs and water splitting applications. <b>2016</b> , 4, 84-91		52
1201	Effect of Mn <sub>3</sub> O <sub>4</sub> nanoparticle composition and distribution on graphene as a potential hybrid anode material for lithium-ion batteries. <b>2016</b> , 6, 33022-33030		14
1200	Synthesis and lithium storage performance of graphene/Co <sub>3</sub> O <sub>4</sub> microrods hybrids. <b>2016</b> , 27, 7657-7664		6
1199	Facile fabrication of Co <sub>3</sub> O <sub>4</sub> /nitrogen-doped graphene hybrid materials as high performance anode materials for lithium ion batteries. <b>2016</b> , 18, 3383-3388		18
1198	Shale-like Co <sub>3</sub> O <sub>4</sub> for high performance lithium/sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 8242-8248	13	98
1197	Synthesis and characterization of Co <sub>3</sub> O <sub>4</sub> nanocube-doped polyaniline nanocomposites with enhanced methyl orange adsorption from aqueous solution. <b>2016</b> , 6, 43388-43400		80
1196	Layered NiO/reduced graphene oxide composites by heterogeneous assembly with enhanced performance as high-performance asymmetric supercapacitor cathode. <b>2016</b> , 6, 46548-46557		46
1195	In situ synthesis of chemically bonded NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /rGO 2D nanocomposite for high-rate sodium-ion batteries. <b>2016</b> , 9, 1844-1855		59
1194	RuO <sub>2</sub> @Co <sub>3</sub> O <sub>4</sub> heterogeneous nanofibers: a high-performance electrode material for supercapacitors. <b>2016</b> , 6, 49173-49178		13
1193	SnO <sub>2</sub> Nanoparticles Anchored on 2D V <sub>2</sub> O <sub>5</sub> Nanosheets with Enhanced Lithium-Storage Performances. <i>Electrochimica Acta</i> , <b>2016</b> , 205, 153-160	6.7	11
1192	Graphene-like nanocomposites anchored by Ni <sub>3</sub> S <sub>2</sub> slices for Li-ion storage. <b>2016</b> , 6, 48083-48088		21
1191	Self-supported ultrathin mesoporous CoFe <sub>2</sub> O <sub>4</sub> /CoO nanosheet arrays assembled from nanowires with enhanced lithium storage performance. <b>2016</b> , 51, 6590-6599		14

1190	Enhanced heat transfer in liquid thin film flow of non-Newtonian nanofluids embedded with graphene nanoparticles. <b>2016</b> , 27, 2448-2456		65
1189	3D well-interconnected NiO/graphene/carbon nanotube nanohybrids as high-performance anode materials for Li-ion batteries. <b>2016</b> , 18, 1		7
1188	Simulating the Impact of Particle Size Distribution on the Performance of Graphite Electrodes in Lithium-Ion Batteries. <b>2016</b> , 4, 1588-1597		38
1187	Layered Transition Metal Oxynitride CoMoON/C Catalyst for Oxygen Reduction Reaction. <b>2016</b> , 8, 29536-29542		
1186	Metal-organic-framework-derived bi-metallic sulfide on N, S-codoped porous carbon nanocomposites as multifunctional electrocatalysts. <b>2016</b> , 334, 112-119		57
1185	Nanostructured Co(II)-based MOFs as promising anodes for advanced lithium storage. <b>2016</b> , 40, 9238-9244		43
1184	Nitrogen-doped mesoporous hollow carbon nanoflowers as high performance anode materials of lithium ion batteries. <b>2016</b> , 6, 93519-93524		9
1183	Graphene-Modified Electrodeposited Dendritic Porous Tin Structures as Binder Free Anode for High Performance Lithium-Sulfur Batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 219, 701-710	6.7	13
1182	The Role of Reduced Graphite Oxide in Transition Metal Oxide Nanocomposites Used as Li Anode Material: An Operando Study on CoFe O /rGO. <b>2016</b> , 22, 16929-16938		14
1181	Functionalized-Graphene Composites: Fabrication and Applications in Sustainable Energy and Environment. <b>2016</b> , 28, 8082-8118		151
1180	Structurally Defined 3D Nanographene Assemblies via Bottom-Up Chemical Synthesis for Highly Efficient Lithium Storage. <b>2016</b> , 28, 10250-10256		52
1179	Effect of particle size on the conductive and electrochemical properties of Li <sub>2</sub> ZnTi <sub>3</sub> O <sub>8</sub> . <b>2016</b> , 52, 1137-1142		11
1178	Two-dimensional SiS as a potential anode material for lithium-based batteries: A first-principles study. <b>2016</b> , 331, 391-399		34
1177	Hierarchical porous nitrogen-rich carbon nanospheres with high and durable capabilities for lithium and sodium storage. <b>2016</b> , 8, 17911-17918		54
1176	NiSnO <sub>3</sub> nanoparticles/reduced graphene oxide composite with enhanced performance as a lithium-ion battery anode material. <b>2016</b> , 6, 85374-85380		8
1175	Cobalt Oxide@In Core@Shell Nanowire Arrays as High-Performance Electrodes for Lithium-Ion Batteries. <b>2016</b> , 4, 1435-1439		1
1174	Polysiloxane-functionalized graphene oxide paper: pyrolysis and performance as a Li-ion battery and supercapacitor electrode. <b>2016</b> , 6, 74323-74331		10
1173	Hollow Amorphous MnSnO <sub>3</sub> Nanohybrid with Nitrogen-Doped Graphene for High-Performance Lithium Storage. <i>Electrochimica Acta</i> , <b>2016</b> , 214, 1-10	6.7	21

1172	Recent Progress in Self-Supported Metal Oxide Nanoarray Electrodes for Advanced Lithium-Ion Batteries. <b>2016</b> , 3, 1600049		84
1171	In situ growth of SnO <sub>2</sub> nanoparticles in heteroatoms doped cross-linked carbon frameworks for lithium ion batteries anodes. <i>Electrochimica Acta</i> , <b>2016</b> , 213, 633-640	6.7	20
1170	Modified Electronic Properties of Graphene. <b>2016</b> , 167-182		
1169	Facile Synthesis of Ni Zn Fe O ( $x=0, 0.25, 0.5, 0.75, 1$ ) as Anode Materials for Lithium Storage. <b>2016</b> , 81, 1174-1181		10
1168	A facile one-pot solvothermal synthesis of CoFe <sub>2</sub> O <sub>4</sub> /RGO and its excellent catalytic activity on thermal decomposition of ammonium perchlorate. <b>2016</b> , 6, 83838-83847		42
1167	Nanographene in Biomedical Applications. <b>2016</b> , 251-282		3
1166	Ultrathin Zn <sub>2</sub> (OH) <sub>3</sub> VO <sub>3</sub> Nanosheets: First Synthesis, Excellent Lithium-Storage Properties, and Investigation of Electrochemical Mechanism. <b>2016</b> , 8, 23746-54		20
1165	2D materials for renewable energy storage devices: Outlook and challenges. <b>2016</b> , 52, 13528-13542		71
1164	Structural Evolution of 3D Nano-Sn/Reduced Graphene Oxide Composite from a Sandwich-like Structure to a Curly Sn@Carbon Nanocage-like Structure during Lithiation/Delithiation Cycling. <b>2016</b> , 3, 1600498		15
1163	Substrate-Assisted Deposition of Metal Oxides on Three-Dimensional Porous Reduced Graphene Oxide Networks as Bifunctional Hybrid Electrocatalysts for the Oxygen Evolution and Oxygen Reduction Reactions. <b>2016</b> , 8, 2808-2816		10
1162	Liquid-Solid-Solution Assembly of CoFe <sub>2</sub> O <sub>4</sub> /Graphene Nanocomposite as a High-Performance Lithium-Ion Battery Anode. <i>Electrochimica Acta</i> , <b>2016</b> , 215, 247-252	6.7	35
1161	Kinetic Phase Evolution of Spinel Cobalt Oxide during Lithiation. <i>ACS Nano</i> , <b>2016</b> , 10, 9577-9585	16.7	49
1160	Novel graphene-based composite as binder-free high-performance electrodes for energy storage systems. <b>2016</b> , 2, 291-308		12
1159	Controlled Growth of Nanostructured Biotemplates with Cobalt and Nitrogen Codoping as a Binderless Lithium-Ion Battery Anode. <b>2016</b> , 8, 26868-26877		8
1158	Three dimensional hierarchically porous crystalline MnO <sub>2</sub> structure design for a high rate performance lithium-ion battery anode. <b>2016</b> , 6, 85222-85229		14
1157	Fabrication of cubic spinel MnCo <sub>2</sub> O <sub>4</sub> nanoparticles embedded in graphene sheets with their improved lithium-ion and sodium-ion storage properties. <b>2016</b> , 326, 252-263		47
1156	General Synthesis of Transition Metal Oxide Ultrafine Nanoparticles Embedded in Hierarchically Porous Carbon Nanofibers as Advanced Electrodes for Lithium Storage. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 6188-6196	15.6	51
1155	Assessing Charge Contribution from Thermally Treated Ni Foam as Current Collectors for Li-Ion Batteries. <b>2016</b> , 163, A1805-A1811		9

1154	Graphene-coated mesoporous Co <sub>3</sub> O <sub>4</sub> fibers as an efficient anode material for Li-ion batteries. <b>2016</b> , 6, 71006-71011		17
1153	Synthesis of ZnCo <sub>2</sub> O <sub>4</sub> microspheres with Zn <sub>0.33</sub> Co <sub>0.67</sub> CO <sub>3</sub> precursor and their electrochemical performance. <b>2016</b> , 18, 1		10
1152	Rapid and large-scale synthesis of bare Co <sub>3</sub> O <sub>4</sub> porous nanostructures from an oleate precursor as superior Li-ion anodes with long-cycle lives. <b>2016</b> , 45, 13509-13		21
1151	Zn/Fe-MOFs-derived hierarchical ball-in-ball ZnO/ZnFe <sub>2</sub> O <sub>4</sub> @carbon nanospheres with exceptional lithium storage performance. <b>2016</b> , 688, 211-218		32
1150	Nanostructured hexagonal cobalt oxide plates and their electrochemical properties. <b>2016</b> , 180, 175-178		3
1149	Sea urchin-like NiCo <sub>2</sub> O <sub>4</sub> @C nanocomposites for Li-ion batteries and supercapacitors. <b>2016</b> , 27, 457-465		103
1148	Morphology-dependent performance of Co <sub>3</sub> O <sub>4</sub> via facile and controllable synthesis for methane combustion. <b>2016</b> , 525, 94-102		83
1147	Firmly combination of CoMnOx nanocrystals supported on N-doped CNT for lithium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2016</b> , 306, 336-343	14.7	22
1146	Red Mud and Li-Ion Batteries: A Magnetic Connection. <b>2016</b> , 9, 2193-200		10
1145	Surfactant-free self-assembly of reduced graphite oxide-MoO <sub>2</sub> nanobelt composites used as electrode for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 211, 972-981	6.7	47
1144	Synthesis of free-standing MnO <sub>2</sub> /reduced graphene oxide membranes and electrochemical investigation of their performances as anode materials for half and full lithium-ion batteries. <b>2016</b> , 18, 1		6
1143	Electrochemical possibility of iron compounds in used disposable heating pads and their use in lithium ion batteries. <b>2016</b> , 23, 14656-62		2
1142	Half-cell and full-cell applications of horizontally aligned reduced oxide graphene/V <sub>2</sub> O <sub>5</sub> sheets as cathodes for high stability lithium-ion batteries. <b>2016</b> , 6, 98581-98587		15
1141	Ultrafine CoO Embedded Reduced Graphene Oxide Nanocomposites: A High Rate Anode for Li bn Battery. <b>2016</b> , 1, 5758-5767		18
1140	Improved Li storage performance in SnO <sub>2</sub> nanocrystals by a synergetic doping. <b>2016</b> , 6, 18978		55
1139	Enhanced catalytic performance of ZnO-CoOx electrode generated from electrochemical corrosion of Co-Zn alloy for oxygen evolution reaction. <i>Electrochimica Acta</i> , <b>2016</b> , 222, 999-1006	6.7	9
1138	Structural diversity of Mn(II), Zn(II) and Pb(II) coordination polymers constructed from isomeric pyridylbenzoate N-oxide ligands: structures and electrochemical properties. <b>2016</b> , 18, 9307-9315		15
1137	Chapter 7 Recent Advances in Synthesis and Applications of Metal-Added Carbon Nanotubes and Graphenes. <b>2016</b> , 307-330		

1136	Ultrafast Lithium Storage Using Antimony-Doped Tin Oxide Nanoparticles Sandwiched between Carbon Nanofibers and a Carbon Skin. <b>2016</b> , 8, 30264-30270		52
1135	Silicon oxycarbide glass-graphene composite paper electrode for long-cycle lithium-ion batteries. <b>2016</b> , 7, 10998		275
1134	Crystallization of nanostructured cobalt hydroxide carbonate at ambient conditions: a key precursor of Co <sub>3</sub> O <sub>4</sub> . <b>2016</b> , 80, 995-1011		9
1133	Nanoparticle Decorated Ultrathin Porous Nanosheets as Hierarchical Co <sub>3</sub> O <sub>4</sub> Nanostructures for Lithium Ion Battery Anode Materials. <b>2016</b> , 6, 20592		60
1132	Unique 1D Co <sub>3</sub> O <sub>4</sub> crystallized nanofibers with (220) oriented facets as high-performance lithium ion battery anode material. <b>2016</b> , 6, 26460		31
1131	2D titanium carbide and transition metal oxides hybrid electrodes for Li-ion storage. <b>2016</b> , 30, 603-613		229
1130	Mesoscopic Fabric Sheet Racks and Blocks as Catalysts with Efficiently Exposed Surfaces for Methanol and Ethanol Electrooxidation. <b>2016</b> , 3, 1600743		40
1129	Hierarchical Metal Oxide Topographies Replicated from Highly Textured Graphene Oxide by Intercalation Templating. <i>ACS Nano</i> , <b>2016</b> , 10, 10869-10879	16.7	43
1128	Rational design of metal oxide hollow nanostructures decorated carbon nanosheets for superior lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 17718-17725	13	27
1127	Carbon-Encapsulated Co <sub>3</sub> O <sub>4</sub> @CoO@Co Nanocomposites for Multifunctional Applications in Enhanced Long-life Lithium Storage, Supercapacitor and Oxygen Evolution Reaction. <i>Electrochimica Acta</i> , <b>2016</b> , 220, 322-330	6.7	56
1126	CuP/RGO Nanocomposite as a New Anode for Lithium-Ion Batteries. <b>2016</b> , 6, 35189		39
1125	The mechanism of nano-CuO and CuFe <sub>2</sub> O <sub>4</sub> catalyzed thermal decomposition of ammonium nitrate. <b>2016</b> , 6, 184798041668169		14
1124	Conversion Reaction-Based Oxide Nanomaterials for Lithium Ion Battery Anodes. <b>2016</b> , 12, 2146-72		310
1123	A New Strategy for Achieving a High Performance Anode for Lithium Ion Batteries Encapsulating Germanium Nanoparticles in Carbon Nanoboxes. <b>2016</b> , 6, 1501666		95
1122	Hierarchical Tubular Structures Composed of Co <sub>3</sub> O <sub>4</sub> Hollow Nanoparticles and Carbon Nanotubes for Lithium Storage. <b>2016</b> , 128, 6094-6097		56
1121	Synthesis of NiCo <sub>2</sub> O <sub>4</sub> Microellipsoids as Anode Material for Lithium-Ion Batteries. <i>Journal of Electronic Materials</i> , <b>2016</b> , 45, 4966-4972	1.9	7
1120	Active Fe <sub>2</sub> O <sub>3</sub> nanoparticles encapsulated in porous g-C <sub>3</sub> N <sub>4</sub> /graphene sandwich-type nanosheets as a superior anode for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 10666-10672	13	82
1119	Graphene/cobalt nanocarrier for hyperthermia therapy and MRI diagnosis. <b>2016</b> , 146, 271-9		43

1118	Synergistic Effects of a Multifunctional Graphene Based Interlayer on Electrochemical Behavior and Structural Stability. <b>2016</b> , 8, 17651-8		20
1117	Co <sub>3</sub> O <sub>4</sub> nanocrystals derived from a zeolitic imidazolate framework on Ni foam as high-performance supercapacitor electrode material. <b>2016</b> , 6, 61803-61808		14
1116	MnO nanoparticles embedded in a carbon matrix as high performance lithium-ion battery anodes: preparation, microstructure and electrochemistry. <b>2016</b> , 18, 19130-6		34
1115	Electrospun carbon-based nanostructured electrodes for advanced energy storage I A review. <b>2016</b> , 5, 58-92		140
1114	Covalently Functionalized Graphene by Radical Polymers for Graphene-Based High-Performance Cathode Materials. <b>2016</b> , 8, 17352-9		72
1113	CuCo <sub>2</sub> O <sub>4</sub> nanoparticles encapsulated by onion-like carbon layers: A promising solution for high-performance lithium ion battery. <b>2016</b> , 42, 12460-12466		24
1112	Nitrogen-doped graphene nanosheets decorated Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C nanocrystals as high-rate and ultralong cycle-life cathode for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 210, 45-52	6.7	57
1111	Graphene and Its Diverse Applications in Healthcare Systems. <b>2016</b> , 415-432		
1110	Chemistry and Applications of Supramolecular Graphene Derivatives. <b>2016</b> , 355-370		1
1109	Insights into Ionic Transport and Structural Changes in Magnetite during Multiple-Electron Transfer Reactions. <b>2016</b> , 6, 1502471		57
1108	Bi-functional Au/FeS (Au/Co <sub>3</sub> O <sub>4</sub> ) composite for in situ SERS monitoring and degradation of organic pollutants. <b>2016</b> , 18, 1		14
1107	Three-Dimensional Co <sub>3</sub> O <sub>4</sub> Nanowires@Amorphous Ni(OH) <sub>2</sub> Ultrathin Nanosheets Hierarchical Structure for Electrochemical Energy Storage. <i>Electrochimica Acta</i> , <b>2016</b> , 191, 758-766	6.7	63
1106	One-step thermolysis synthesis of two-dimensional ultrafine Fe <sub>3</sub> O <sub>4</sub> particles/carbon nanonetworks for high-performance lithium-ion batteries. <b>2016</b> , 8, 4733-41		59
1105	Facile synthesis of cobalt oxide/reduced graphene oxide composites for electrochemical capacitor and sensor applications. <b>2016</b> , 53, 71-77		55
1104	A facile method for the synthesis of a porous cobalt oxide-carbon hybrid as a highly efficient water oxidation catalyst. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1819-1827	13	48
1103	Layer-by-layer self-assembly of graphene-like Co <sub>3</sub> O <sub>4</sub> nanosheet/graphene hybrids: Towards high-performance anode materials for lithium-ion batteries. <b>2016</b> , 667, 29-35		22
1102	Low cost flexible 3-D aligned and cross-linked efficient ZnFe <sub>2</sub> O <sub>4</sub> nano-flakes electrode on stainless steel mesh for asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 3504-3512	13	76
1101	Three-dimensional graphene nanosheets loaded with Si nanoparticles by in situ reduction of SiO <sub>2</sub> for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 190, 628-635	6.7	40

1100	MoS <sub>x</sub> supported graphene oxides with different degree of oxidation as efficient electrocatalysts for hydrogen evolution. <i>Carbon</i> , <b>2016</b> , 100, 236-242	10.4	77
1099	Graphene Oxide Templated Growth and Superior Lithium Storage Performance of Novel Hierarchical Co <sub>2</sub> V <sub>2</sub> O <sub>7</sub> Nanosheets. <b>2016</b> , 8, 2812-8		61
1098	Controlled Synthesis of Carbon Nanofibers Anchored with Zn <sub>x</sub> Co <sub>(3-x)</sub> O <sub>4</sub> Nanocubes as Binder-Free Anode Materials for Lithium-Ion Batteries. <b>2016</b> , 8, 2591-9		51
1097	Chemically integrated hierarchical hybrid zinc cobaltate/reduced graphene oxide microspheres as an enhanced lithium-ion battery anode. <b>2016</b> , 6, 4914-4924		9
1096	Sulfonated graphene anchored with tin oxide nanoparticles for detection of nitrogen dioxide at room temperature with enhanced sensing performances. <b>2016</b> , 228, 134-143		61
1095	Ultrafine SnO <sub>2</sub> nanoparticles encased in graphene oxide nanoribbons for high-performance lithium ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 191, 215-222	6.7	22
1094	Preparation of biomass-derived hierarchically porous carbon/Co <sub>3</sub> O <sub>4</sub> nanocomposites as anode materials for lithium-ion batteries. <b>2016</b> , 656, 745-752		56
1093	Analytical Aspects of Nanotoxicology. <b>2016</b> , 88, 451-79		50
1092	Enhancing the performance of MnO by double carbon modification for advanced lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 920-925	13	64
1091	Fabrication of hierarchical porous cobalt manganese spinel graphene hybrid nanoplates for electrochemical supercapacitors. <i>Electrochimica Acta</i> , <b>2016</b> , 188, 704-709	6.7	25
1090	Cubic CuCo <sub>2</sub> O <sub>4</sub> microspheres with FeO nanowires link as free-standing anode for high-performance lithium ion batteries. <b>2016</b> , 42, 2871-2875		9
1089	Electrostatic Assembly of Sandwich-like Ag-C@ZnO-C@Ag-C Hybrid Hollow Microspheres with Excellent High-Rate Lithium Storage Properties. <i>ACS Nano</i> , <b>2016</b> , 10, 1283-91	16.7	99
1088	Porous and hollow NiO microspheres for high capacity and long-life anode materials of Li-ion batteries. <b>2016</b> , 92, 160-165		34
1087	A brief review on graphene/inorganic nanostructure composites: materials for the future. <b>2016</b> , 90, 1019-1032		21
1086	Interface engineering of Graphene-Silicon heterojunction solar cells. <b>2016</b> , 99, 3-12		7
1085	Coral-Inspired Nanoengineering Design for Long-Cycle and Flexible Lithium-Ion Battery Anode. <b>2016</b> , 8, 9185-93		18
1084	Cobalt oxide 2D nano-assemblies from infinite coordination polymer precursors mediated by a multidentate pyridyl ligand. <b>2016</b> , 45, 7866-74		9
1083	Enhanced electrochemical performance of cobalt oxide nanocube intercalated reduced graphene oxide for supercapacitor application. <b>2016</b> , 6, 34894-34902		78

1082	Monodispersed SnO <sub>2</sub> nanospheres embedded in framework of graphene and porous carbon as anode for lithium ion batteries. <b>2016</b> , 3, 98-105		55
1081	Self-anchoring dendritic ternary vanadate compound on graphene nanoflake as high-performance conversion-type anode for lithium ion batteries. <b>2016</b> , 22, 179-188		9
1080	Bovine serum albumin assisted synthesis of Fe <sub>3</sub> O <sub>4</sub> @C@Mn <sub>3</sub> O <sub>4</sub> multilayer core-shell porous spheres as anodes for lithium ion battery. <i>Chemical Engineering Journal</i> , <b>2016</b> , 291, 238-243	14.7	20
1079	Facile preparation of porous Co <sub>3</sub> O <sub>4</sub> nanosheets for high-performance lithium ion batteries and oxygen evolution reaction. <b>2016</b> , 310, 41-46		97
1078	Surfactant-Assisted Hydrothermal Synthesis of Cobalt Oxide/Nitrogen-Doped Graphene Framework for Enhanced Anodic Performance in Lithium Ion Batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 194, 310-316	6.7	32
1077	High-rate and long-life of Li-ion batteries using reduced graphene oxide/Co <sub>3</sub> O <sub>4</sub> as anode materials. <b>2016</b> , 6, 24320-24330		18
1076	Carbon dioxide-expanded ethanol-assisted synthesis of carbon-based metal composites and their catalytic and electrochemical performance in lithium-ion batteries. <b>2016</b> , 37, 218-226		4
1075	TiO <sub>2</sub> decorated Co <sub>3</sub> O <sub>4</sub> acicular nanotube arrays and its application as a non-enzymatic glucose sensor. <b>2016</b> , 80, 511-518		71
1074	In Situ Self-Developed Nanoscale MnO/MEG Composite Anode Material for Lithium-Ion Battery. <b>2016</b> , 163, A722-A726		12
1073	Graphene-based materials with tailored nanostructures for energy conversion and storage. <b>2016</b> , 102, 1-72		189
1072	Ultrahigh cycling stability and rate capability of ZnFe <sub>2</sub> O <sub>4</sub> @graphene hybrid anode prepared through a facile syn-graphenization strategy. <b>2016</b> , 40, 3139-3146		14
1071	Solvent-directed sol-gel assembly of 3-dimensional graphene-tented metal oxides and strong synergistic disparities in lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4032-4043	13	18
1070	Enhanced electrical conductivity in graphene-filled polycarbonate nanocomposites by microcellular foaming with sc-CO <sub>2</sub> . <b>2016</b> , 30, 1017-1029		10
1069	A morphology, porosity and surface conductive layer optimized MnCo <sub>2</sub> O <sub>4</sub> microsphere for compatible superior Li(+) ion/air rechargeable battery electrode materials. <b>2016</b> , 45, 5064-70		10
1068	Manipulation of spin-flip in Co <sub>3</sub> O <sub>4</sub> : a first principles study. <b>2016</b> , 51, 4691-4696		8
1067	A facile one-step route to synthesize the three-layer nanostructure of CuS/RGO/Ni <sub>3</sub> S <sub>2</sub> and its high electrochemical performance. <b>2016</b> , 6, 16963-16971		19
1066	Sn <sup>II</sup> Ion Decorated Highly Conductive Ti <sub>3</sub> C <sub>2</sub> MXene: Promising Lithium-Ion Anodes with Enhanced Volumetric Capacity and Cyclic Performance. <i>ACS Nano</i> , <b>2016</b> , 10, 2491-9	16.7	484
1065	Facile synthesis of vanadium nitride/nitrogen-doped graphene composite as stable high performance anode materials for supercapacitors. <b>2016</b> , 308, 149-157		94

1064	Cobalt oxide-coated N- and B-doped graphene hollow spheres as bifunctional electrocatalysts for oxygen reduction and oxygen evolution reactions. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 5877-5889	13	129
1063	A facile synthetic route for Co <sub>3</sub> O <sub>4</sub> nanoparticle/porous carbon composite as an efficient anode material for lithium-ion batteries. <b>2016</b> , 33, 1500-1504		18
1062	Graphene frameworks supported cobalt oxide with tunable morphologies for enhanced lithium storage behaviors. <b>2016</b> , 51, 4856-4863		4
1061	Chlorine-Induced In Situ Regulation to Synthesize Graphene Frameworks with Large Specific Area for Excellent Supercapacitor Performance. <b>2016</b> , 8, 6481-7		28
1060	TiNb <sub>2</sub> O <sub>7</sub> /graphene composites as high-rate anode materials for lithium/sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4242-4251	13	112
1059	Facile and elegant self-organization of Ag nanoparticles and TiO <sub>2</sub> nanorods on V <sub>2</sub> O <sub>5</sub> nanosheets as a superior cathode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4900-4907	13	53
1058	Hollow Cobalt Selenide Microspheres: Synthesis and Application as Anode Materials for Na-Ion Batteries. <b>2016</b> , 8, 6449-56		105
1057	Porous one-dimensional carbon/iron oxide composite for rechargeable lithium-ion batteries with high and stable capacity. <b>2016</b> , 672, 79-85		54
1056	Porous cubes constructed by cobalt oxide nanocrystals with graphene sheet coatings for enhanced lithium storage properties. <b>2016</b> , 8, 7688-94		46
1055	Electrospun Lotus Root-like CoMoO <sub>4</sub> @Graphene Nanofibers as High-Performance Anode for Lithium Ion Batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 196, 125-130	6.7	53
1054	Carbonate-assisted hydrothermal synthesis of porous hierarchical Co <sub>3</sub> O <sub>4</sub> /CuO composites as high capacity anodes for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 197, 23-31	6.7	36
1053	The green reduction of graphene oxide. <b>2016</b> , 6, 27807-27828		159
1052	Characterization of magnetic Ni clusters on graphene scaffold after high vacuum annealing. <b>2016</b> , 170, 175-179		11
1051	Facile synthesis of a Co <sub>3</sub> V <sub>2</sub> O <sub>8</sub> interconnected hollow microsphere anode with superior high-rate capability for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 5075-5080	13	57
1050	Assembling mesoporous Zn <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> fibers with interconnected nanocrystals via a topotactic conversion route for enhanced performance Lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 190, 894-902	6.7	14
1049	Carbon spheres anchored Co <sub>3</sub> O <sub>4</sub> nanoclusters as an efficient catalyst for dye degradation. <b>2016</b> , 513, 106-115		23
1048	Controllable synthesis of carbon-coated Sn/SnO <sub>2</sub> /carbon-nanofiber membrane as advanced binder-free anode for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 188, 661-670	6.7	42
1047	Graphene/N-doped carbon sandwiched nanosheets with ultrahigh nitrogen doping for boosting lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1423-1431	13	118

1046	In situ prepared reduced graphene oxide/CoO nanowires mutually-supporting porous structure with enhanced lithium storage performance. <i>Electrochimica Acta</i> , <b>2016</b> , 190, 276-284	6.7	51
1045	Facile Synthesis of Mesoporous Co <sub>3</sub> O <sub>4</sub> /Carbon Nanowires Array Nanocomposite for the Enhanced Lithium Storage. <i>Electrochimica Acta</i> , <b>2016</b> , 190, 126-133	6.7	21
1044	Three-dimensional hollow-structured binary oxide particles as an advanced anode material for high-rate and long cycle life lithium-ion batteries. <b>2016</b> , 20, 212-220		44
1043	Metal coordination polymer derived mesoporous Co <sub>3</sub> O <sub>4</sub> nanorods with uniform TiO <sub>2</sub> coating as advanced anodes for lithium ion batteries. <b>2016</b> , 8, 2967-73		62
1042	Graphene oxides doped MIL-101(Cr) as anode materials for enhanced electrochemistry performance of lithium ion battery. <b>2016</b> , 64, 63-66		17
1041	Template-Directed Macroporous Bubble Graphene Film for the Application in Supercapacitors. <b>2016</b> , 111-121		
1040	Simple self-assembly of SnS <sub>2</sub> entrapped graphene aerogel and its enhanced lithium storage performance. <b>2016</b> , 42, 6572-6580		17
1039	Tucked flower-like SnS <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> composite for high-performance anode material in lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 190, 843-851	6.7	28
1038	Hierarchical sandwich-type tungsten trioxide nanoplatelets/graphene anode for high-performance lithium-ion batteries with long cycle life. <i>Electrochimica Acta</i> , <b>2016</b> , 190, 964-971	6.7	17
1037	Lithium copper/manganese titanate anode material for rechargeable lithium-ion batteries. <b>2016</b> , 169, 128-135		2
1036	Characterization of porous micro-/nanostructured Co <sub>3</sub> O <sub>4</sub> microellipsoids. <i>Electrochimica Acta</i> , <b>2016</b> , 188, 40-47	6.7	7
1035	Stober-like method to synthesize ultradispersed Fe <sub>3</sub> O <sub>4</sub> nanoparticles on graphene with excellent Photo-Fenton reaction and high-performance lithium storage. <b>2016</b> , 183, 216-223		106
1034	Facile synthesis and versatile applications of Co <sub>3</sub> O <sub>4</sub> nanocubes constructed by nanoparticles. <b>2016</b> , 659, 112-121		16
1033	Facile synthesis of core-shell structured PANI-Co <sub>3</sub> O <sub>4</sub> nanocomposites with superior electrochemical performance in supercapacitors. <i>Applied Surface Science</i> , <b>2016</b> , 361, 57-62	6.7	83
1032	Graphene-templated formation of 3D tin-based foams for lithium ion storage applications with a long lifespan. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 362-367	13	24
1031	Effect of PEDOT:PSS Coating on Manganese Oxide Nanowires for Lithium Ion Battery Anodes. <i>Electrochimica Acta</i> , <b>2016</b> , 187, 340-347	6.7	35
1030	Metal Organic Frameworks Derived Hierarchical Hollow NiO/Ni/Graphene Composites for Lithium and Sodium Storage. <i>ACS Nano</i> , <b>2016</b> , 10, 377-86	16.7	431
1029	Structural Evolution of the Thermally Reduced Graphene Nanosheets During Annealing. <b>2016</b> , 51-71		1

1028	Hierarchical Porous Acetylene Black/ZnFe <sub>2</sub> O <sub>4</sub> @Carbon Hybrid Materials with High Capacity and Robust Cycling Performance for Li-ion Batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 187, 584-592	6.7	42
1027	Design and synthesis of a 3-D hierarchical molybdenum dioxide/nickel/carbon structured composite with superior cycling performance for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 605-611	13	27
1026	A Facile and Template-Free One-Pot Synthesis of MnO Nanostructures as Electrochemical Supercapacitors. <i>Nano-Micro Letters</i> , <b>2016</b> , 8, 165-173	19.5	33
1025	A highly sensitive enzyme-free glucose sensor based on Co <sub>3</sub> O <sub>4</sub> nanoflowers and 3D graphene oxide hydrogel fabricated via hydrothermal synthesis. <b>2016</b> , 223, 76-82		128
1024	Lithium Batteries. <b>2016</b> ,		76
1023	Anodes for Li-Ion Batteries. <b>2016</b> , 323-429		
1022	A review of carbon materials and their composites with alloy metals for sodium ion battery anodes. <i>Carbon</i> , <b>2016</b> , 98, 162-178	10.4	432
1021	Degradation of Co <sub>3</sub> O <sub>4</sub> anode in rechargeable lithium-ion battery: a semi-empirical approach to the effect of conducting material content. <b>2016</b> , 20, 345-352		6
1020	A novel porous CuO nanorod/rGO composite as a high stability anode material for lithium-ion batteries. <b>2016</b> , 42, 1833-1839		42
1019	2-Dimensional graphene as a route for emergence of additional dimension nanomaterials. <b>2017</b> , 89, 8-27		25
1018	Co <sub>3</sub> O <sub>4</sub> /porous carbon nanofibers composite as anode for high-performance lithium ion batteries with improved cycle performance and lithium storage capacity. <b>2017</b> , 51, 315-322		22
1017	The role of surface functionalization on the pulmonary inflammogenicity and translocation into mediastinal lymph nodes of graphene nanoplatelets in rats. <b>2017</b> , 91, 667-676		20
1016	Ultra-small and low crystalline CoMoO <sub>4</sub> nanorods for electrochemical capacitors. <b>2017</b> , 1, 324-335		39
1015	Graphene coated La <sup>3+</sup> /Sc <sup>3+</sup> co-doped Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anodes for enhanced Li-ion battery performance. <b>2017</b> , 193, 179-182		8
1014	Controllable Synthesis and Bi-functional Electrocatalytic Performance towards Oxygen Electrode Reactions of Co <sub>3</sub> O <sub>4</sub> /N-RGO Composites. <i>Electrochimica Acta</i> , <b>2017</b> , 226, 104-112	6.7	15
1013	How much does size really matter? Exploring the limits of graphene as Li ion battery anode material. <b>2017</b> , 251, 88-93		25
1012	Synthesis of Mn <sub>3</sub> O <sub>4</sub> /N-doped graphene hybrid and its improved electrochemical performance for lithium-ion batteries. <b>2017</b> , 43, 4655-4662		27
1011	Graphene-supported . <b>2017</b> , 9, 31-39		17

1010	Insights into the Distinct Lithiation/Sodiation of Porous Cobalt Oxide by in Operando Synchrotron X-ray Techniques and Ab Initio Molecular Dynamics Simulations. <b>2017</b> , 17, 953-962		21
1009	Amino-functionalized graphene oxide blend with monoethanolamine for efficient carbon dioxide capture. <b>2017</b> , 704, 245-253		27
1008	Facile Preparation of Ultrathin Co O /Nanocarbon Composites with Greatly Improved Surface Activity as a Highly Efficient Oxygen Evolution Reaction Catalyst. <b>2017</b> , 23, 4010-4016		41
1007	[Co(salen)] derived Co/Co <sub>3</sub> O <sub>4</sub> nanoparticle@carbon matrix as high-performance electrode for energy storage applications. <b>2017</b> , 344, 103-110		33
1006	Intercalated Co(OH) <sub>2</sub> -derived flower-like hybrids composed of cobalt sulfide nanoparticles partially embedded in nitrogen-doped carbon nanosheets with superior lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 3628-3637	13	28
1005	Ultrathin-Nanosheet-Induced Synthesis of 3D Transition Metal Oxides Networks for Lithium Ion Battery Anodes. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605017	15.6	249
1004	Electrochemical in situ X-ray probing in lithium-ion and sodium-ion batteries. <b>2017</b> , 52, 3697-3718		30
1003	Porous Co <sub>3</sub> O <sub>4</sub> nanofibers surface-modified by reduced graphene oxide as a durable, high-rate anode for lithium ion battery. <i>Electrochimica Acta</i> , <b>2017</b> , 228, 241-250	6.7	69
1002	N-doped graphene/Bi nanocomposite with excellent electrochemical properties for lithium-ion batteries. <i>Ionics</i> , <b>2017</b> , 23, 1407-1415	2.7	21
1001	Copper silicate nanotubes anchored on reduced graphene oxide for long-life lithium-ion battery. <b>2017</b> , 7, 152-156		51
1000	Flexible V <sub>2</sub> O <sub>3</sub> /carbon nano-felts as free-standing electrode for high performance lithium ion batteries. <b>2017</b> , 702, 13-19		28
999	Large-scale and template-free synthesis of hierarchically porous MnCo <sub>2</sub> O <sub>4.5</sub> as anode material for lithium-ion batteries with enhanced electrochemical performance. <b>2017</b> , 52, 5268-5282		18
998	Ultrathin mesoporous Co <sub>3</sub> O <sub>4</sub> nanosheets-constructed hierarchical clusters as high rate capability and long life anode materials for lithium-ion batteries. <i>Applied Surface Science</i> , <b>2017</b> , 406, 46-55	6.7	26
997	Uniform one-pot anchoring of Fe <sub>3</sub> O <sub>4</sub> to defective reduced graphene oxide for enhanced lithium storage. <i>Chemical Engineering Journal</i> , <b>2017</b> , 317, 890-900	14.7	27
996	SiS nanosheets as a promising anode material for Li-ion batteries: a computational study. <b>2017</b> , 19, 8563-8567		10
995	Systematic Molecular Design of Ketone Derivatives of Aromatic Molecules for Lithium-Ion Batteries: First-Principles DFT Modeling. <b>2017</b> , 10, 1584-1591		32
994	In Situ Growth Enabling Ideal Graphene Encapsulation upon Mesocrystalline MTiO <sub>3</sub> (M = Ni, Co, Fe) Nanorods for Stable Lithium Storage. <b>2017</b> , 2, 659-663		32
993	Hydrothermally Synthesized Reduced Graphene Oxide-NiWO <sub>4</sub> Nanocomposite for Lithium-Ion Battery Anode. <b>2017</b> , 164, A785-A795		17

992	From Ni(OH) <sub>2</sub> /Graphene composite to Ni@Graphene core-shell: A self-catalyzed epitaxial growth and enhanced activity for nitrophenol reduction. <i>Carbon</i> , <b>2017</b> , 117, 192-200	10.4	15
991	Green synthesis of few-layered graphene from aqueous processed graphite exfoliation for graphene thin film preparation. <b>2017</b> , 193, 212-219		53
990	Nb <sub>2</sub> O <sub>5</sub> nanospheres/surface-modified graphene composites as superior anode materials in lithium ion batteries. <b>2017</b> , 43, 6232-6238		14
989	A binary metal organic framework derived hierarchical hollow Ni <sub>3</sub> S <sub>2</sub> /Co <sub>9</sub> S <sub>8</sub> /N-doped carbon composite with superior sodium storage performance. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11781-11787	13	89
988	Facile synthesis of carbon/MoO <sub>3</sub> nanocomposites as stable battery anodes. <b>2017</b> , 348, 270-280		42
987	Preparation of MoO <sub>2</sub> nanoparticles/rGO nanocomposites and their high electrochemical properties for lithium ion batteries. <b>2017</b> , 28, 1740-1749		8
986	The hierarchical cobalt oxide-porous carbons composites and their high performance as an anode for lithium ion batteries enhanced by the excellent synergistic effect. <i>Electrochimica Acta</i> , <b>2017</b> , 231, 511-520	6.7	4
985	Nanospherical solid electrolyte interface layer formation in binder-free carbon nanotube aerogel/Si nano hybrids to provide lithium-ion battery anodes with a long-cycle life and high capacity. <b>2017</b> , 9, 4713-4720		21
984	Fabrication of high-pore volume carbon nanosheets with uniform arrangement of mesopores. <b>2017</b> , 10, 2106-2116		13
983	Tree-like Li <sub>2</sub> MnO <sub>3</sub> @CNT hierarchical architecture assembled for remarkable anode material. <b>2017</b> , 708, 531-537		5
982	Illumination-Induced Hole Doping for Performance Improvement of Graphene/n-Silicon Solar Cells with P3HT Interlayer. <b>2017</b> , 3, 1600516		15
981	Schottky barrier at graphene/metal oxide interfaces: insight from first-principles calculations. <b>2017</b> , 7, 41771		17
980	A novel gelatin-guided mesoporous bowknot-like Co <sub>3</sub> O <sub>4</sub> anode material for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 5342-5350	13	72
979	Mesoporous MnO <sub>2</sub> Nanosphere/Graphene Sheets as Electrodes for Supercapacitor Synthesized by a Simple and Inexpensive Reflux Reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 238, 30-35	6.7	23
978	Graphene-Embedded CoO Rose-Spheres for Enhanced Performance in Lithium Ion Batteries. <b>2017</b> , 9, 9662-9668		97
977	Ti-doped Mn <sub>3</sub> O <sub>4</sub> composite as anode materials for lithium-ion batteries. <b>2017</b> ,		2
976	Carbon-Coated Honeycomb Ni-Mn-Co-O Inverse Opal: A High Capacity Ternary Transition Metal Oxide Anode for Li-ion Batteries. <b>2017</b> , 7, 42263		38
975	The effect of particle size, morphology and C-rates on 3D structured Co <sub>3</sub> O <sub>4</sub> inverse opal conversion mode anode materials. <b>2017</b> , 4, 025011		21

974	Two-Dimensional Metal Oxide Nanomaterials for Next-Generation Rechargeable Batteries. <b>2017</b> , 29, 1700176		251
973	Mechanical properties of novel forms of graphyne under strain: A density functional theory study. <b>2017</b> , 90, 189-193		17
972	Zn <sub>2</sub> GeO <sub>4</sub> @C Core-Shell Nanorods as Highly Reversible Anode Materials for Lithium-Ion Batteries. <b>2017</b> , 5, 1656-1662		8
971	Porous Co <sub>3</sub> V <sub>2</sub> O <sub>8</sub> Nanosheets with Ultrahigh Performance as Anode Materials for Lithium Ion Batteries. <b>2017</b> , 4, 1700054		35
970	Magnetic Graphene Nanocomposites for Multifunctional Applications. <b>2017</b> , 317-357		2
969	Electrochemically synthesized highly crystalline nitrogen doped graphene nanosheets with exceptional biocompatibility. <b>2017</b> , 7, 537		6
968	Elasticity-related periodical Li storage behavior delivered by porous graphene. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 9299-9306	13	11
967	Novel Ag@Nitrogen-doped Porous Carbon Composite with High Electrochemical Performance as Anode Materials for Lithium-ion Batteries. <i>Nano-Micro Letters</i> , <b>2017</b> , 9, 32	19.5	38
966	Scalable nanoparticle assembly on carbon nanotubes using flash-induced dewetting. <b>2017</b> , 51, 1299-1305		
965	Graphene: a promising 2D material for electrochemical energy storage. <b>2017</b> , 62, 724-740		140
964	Tunable electronic structure and magnetic moment in CN nanoribbons with different edge functionalization atoms. <b>2017</b> , 19, 15021-15029		10
963	Preparation of yolk-shell Fe <sub>3</sub> O <sub>4</sub> @N-doped carbon nanocomposite particles as anode in lithium ion batteries. <b>2017</b> , 28, 11569-11575		10
962	Reduced graphene oxide uniformly anchored with ultrafine CoMn <sub>2</sub> O <sub>4</sub> nanoparticles as advance anode materials for lithium and sodium storage. <b>2017</b> , 716, 30-36		17
961	The synthesis and characterization of Al/Co <sub>3</sub> O <sub>4</sub> magnetic composite pigments with low infrared emissivity and low lightness. <b>2017</b> , 83, 88-93		15
960	Mo-Based Ultrasmall Nanoparticles on Hierarchical Carbon Nanosheets for Superior Lithium Ion Storage and Hydrogen Generation Catalysis. <b>2017</b> , 7, 1602782		103
959	Green Fabrication of Co <sub>3</sub> O <sub>4</sub> Nanoparticle-Decorated Reduced Graphene Oxide Sheets: Evaluation of Biocompatibility on Human Mesenchymal Stem Cells for Biomedical Applications. <b>2017</b> , 27, 1110-1116		7
958	Anode Design Based on Microscale Porous Scaffolds for Advanced Lithium Ion Batteries. <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 3789-3795	1.9	12
957	Preparation of polypyrrole-coated Bi <sub>2</sub> O <sub>3</sub> @CMK-3 nanocomposite for electrochemical lithium storage. <i>Electrochimica Acta</i> , <b>2017</b> , 238, 202-209	6.7	18

956	Graphene-Assisted Exfoliation of Molybdenum Disulfide to Fabricate 2D Heterostructure for Enhancing Lithium Storage. <b>2017</b> , 4, 1601187		27
955	CoO Quantum Dots As a Highly Efficient Oxygen Evolution Reaction Catalyst for Water Splitting. <b>2017</b> , 9, 16159-16167		79
954	Ultrathin and Highly Crystalline Co <sub>3</sub> O <sub>4</sub> Nanosheets In Situ Grown on Graphene toward Enhanced Supercapacitor Performance. <b>2017</b> , 4, 1600884		27
953	Graphene membrane encapsulated Co <sub>3</sub> O <sub>4</sub> nanotubes with superior capacity and stability as anode materials for lithium ion batteries. <b>2017</b> , 82, 75-84		8
952	Co <sub>3</sub> O <sub>4</sub> Nanospheres Embedded in a Nitrogen-Doped Carbon Framework: An Electrode with Fast Surface-Controlled Redox Kinetics for Lithium Storage. <b>2017</b> , 2, 52-59		51
951	Sequence-Designed Peptide Nanofibers Bridged Conjugation of Graphene Quantum Dots with Graphene Oxide for High Performance Electrochemical Hydrogen Peroxide Biosensor. <b>2017</b> , 4, 1600895		51
950	Preparation of flower-like BaMoO <sub>4</sub> and application in rechargeable lithium and sodium ion batteries. <b>2017</b> , 188, 248-251		13
949	Promising anode material for lithium-ion cells based on cobalt oxide synthesized by microwave heating. <i>Ionics</i> , <b>2017</b> , 23, 1693-1701	2.7	4
948	Controllable fabrication of hierarchical top-converged Co <sub>3</sub> O <sub>4</sub> nanowire array with enhanced lithium storage performance. <b>2017</b> , 198, 107-114		4
947	Synthesis of one-dimensional graphene-encapsulated TiO <sub>2</sub> nanofibers with enhanced lithium storage capacity for lithium-ion batteries. <b>2017</b> , 21, 2313-2320		4
946	Co <sub>3</sub> O <sub>4</sub> microtubules derived from a biotemplated method for improved lithium storage performance. <b>2017</b> , 43, 9235-9240		26
945	Hybrid Reduced Graphene Oxide Nanosheet Supported Mn-Ni-Co Ternary Oxides for Aqueous Asymmetric Supercapacitors. <b>2017</b> , 9, 19114-19123		81
944	Interwoven N and P dual-doped hollow carbon fibers/graphitic carbon nitride: An ultrahigh capacity and rate anode for Li and Na ion batteries. <i>Carbon</i> , <b>2017</b> , 122, 54-63	10.4	95
943	Adhesive nanocomposites of hypergravity induced Co <sub>3</sub> O <sub>4</sub> nanoparticles and natural gels as Li-ion battery anode materials with high capacitance and low resistance. <b>2017</b> , 7, 21061-21067		7
942	Porous Co <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> core-shell nanofibers as advanced anodes for lithium ion batteries. <b>2017</b> , 723, 129-138		38
941	Unique Structural Design and Strategies for Germanium-Based Anode Materials Toward Enhanced Lithium Storage. <b>2017</b> , 7, 1700488		82
940	Chemical integration of reduced graphene oxide sheets encapsulated ZnCo <sub>2</sub> O <sub>4</sub> quantum dots achieving excellent capacity storage for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 245, 672-684	6.7	26
939	Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> @TiO <sub>2</sub> /MoO <sub>2</sub> nanoclusters-embedded into carbon nanosheets core/shell porous superstructures boost lithium ion storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 12096-12102	13	24

938	Novel porous starfish-like Co <sub>3</sub> O <sub>4</sub> @nitrogen-doped carbon as an advanced anode for lithium-ion batteries. <b>2017</b> , 10, 3457-3467		51
937	Two-Dimensional Holey CoO Nanosheets for High-Rate Alkali-Ion Batteries: From Rational Synthesis to in Situ Probing. <b>2017</b> , 17, 3907-3913		134
936	Investigation of graphene oxide nanogel and carbon nanorods as electrode for electrochemical supercapacitor. <i>Electrochimica Acta</i> , <b>2017</b> , 245, 268-278	6.7	26
935	Lithium Ion Breathable Electrodes with 3D Hierarchical Architecture for Ultrastable and High-Capacity Lithium Storage. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1700447	15.6	74
934	Paper-Based Electrodes for Flexible Energy Storage Devices. <b>2017</b> , 4, 1700107		232
933	In situ grown nickel nanoparticles in a calixarene nanoreactor on a graphene/MoS <sub>2</sub> support for efficient water electrolysis. <b>2017</b> , 1, 1329-1338		10
932	Cetyltrimethylammonium bromide assisted hydrothermal synthesis of cobalt oxide nanowires anchored on graphene as an efficient electrode material for supercapacitor applications. <b>2017</b> , 198, 99-106		17
931	Tailored Solution Combustion Synthesis of High Performance ZnCo <sub>2</sub> O <sub>4</sub> Anode Materials for Lithium-Ion Batteries. <b>2017</b> , 56, 7173-7183		30
930	Fe <sub>3</sub> O <sub>4</sub> nanoparticles encapsulated in multi-walled carbon nanotubes possess superior lithium storage capability. <b>2017</b> , 41, 6241-6250		24
929	Recent progress in cobalt-based compounds as high-performance anode materials for lithium ion batteries. <b>2017</b> , 36, 307-320		21
928	NbSe <sub>3</sub> nanobelts wrapped by reduced graphene oxide for lithium ion battery with enhanced electrochemical performance. <i>Applied Surface Science</i> , <b>2017</b> , 412, 113-120	6.7	7
927	Complex Magnetic Nanostructures. <b>2017</b> ,		5
926	Bioinspired Co <sub>3</sub> O <sub>4</sub> /graphene layered composite films as self-supported electrodes for supercapacitors. <b>2017</b> , 121, 68-74		30
925	Self-assembled interwoven CoS <sub>2</sub> /CNTs/graphene architecture as anode for high-performance lithium ion batteries. <b>2017</b> , 708, 1178-1183		51
924	Nano-Co <sub>3</sub> O <sub>4</sub> supported on magnetic N-doped graphene as highly efficient catalyst for epoxidation of alkenes. <b>2017</b> , 432, 267-273		21
923	Tunneled Mesoporous Carbon Nanofibers with Embedded ZnO Nanoparticles for Ultrafast Lithium Storage. <b>2017</b> , 9, 12478-12485		85
922	Quick one-pot synthesis of amorphous carbon-coated cobalt ferrite twin elliptical frustums for enhanced lithium storage capability. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 8062-8069	13	40
921	Controllable synthesis of sandwich-like graphene-supported structures for energy storage and conversion. <b>2017</b> , 32, 1-14		12

920	Continuum Level Transport and Electro-Chemo-Mechanics Coupling Solid Oxide Fuel Cells and Lithium Ion Batteries. <b>2017</b> , 161-189		2
919	Scalable Fabrication of Photochemically Reduced Graphene-Based Monolithic Micro-Supercapacitors with Superior Energy and Power Densities. <i>ACS Nano</i> , <b>2017</b> , 11, 4283-4291	16.7	152
918	Rational Design of 1-D CoO Nanofibers@Low content Graphene Composite Anode for High Performance Li-Ion Batteries. <b>2017</b> , 7, 45105		43
917	In Situ Fabrication of Hierarchical Porous CoO/Cu <sub>2</sub> O Composites on Cu Foam as High-Performance Freestanding Anodes for Lithium Ion Batteries. <b>2017</b> , 5, 1720-1727		5
916	Novel ZnMoO <sub>4</sub> /reduced graphene oxide hybrid as a high-performance anode material for lithium ion batteries. <b>2017</b> , 708, 713-721		39
915	Metal-Organic Framework Derived Porous Hollow CoO/N-C Polyhedron Composite with Excellent Energy Storage Capability. <b>2017</b> , 9, 10602-10609		101
914	Micro-/nano-structured Co(NO <sub>3</sub> ) <sub>2</sub> ·6H <sub>2</sub> O@CNTs as novel anode material with superior lithium storage performance. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 791, 29-35	4.1	5
913	Facile Self-Assembly Route to Co <sub>3</sub> O <sub>4</sub> Nanoparticles Confined into Single-Walled Carbon Nanotube Matrix for Highly Reversible Lithium Storage. <i>Electrochimica Acta</i> , <b>2017</b> , 235, 613-622	6.7	27
912	Sandwiched graphene inserted with graphene-encapsulated yolk-shell Fe <sub>2</sub> O <sub>3</sub> nanoparticles for efficient lithium ion storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 7035-7042	13	35
911	Nanosheet-like manganese ferrite grown on reduced graphene oxide for non-enzymatic electrochemical sensing of hydrogen peroxide. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 792, 15-22	4.1	23
910	Electro-Chemo-Mechanics of Solids. <b>2017</b> ,		5
909	Adsorption-based synthesis of Co <sub>3</sub> O <sub>4</sub> /C composite anode for high performance lithium-ion batteries. <b>2017</b> , 125, 569-575		23
908	Lithium vanadate nanowires@reduced graphene oxide nanocomposites on titanium foil with super high capacities for lithium-ion batteries. <b>2017</b> , 498, 210-216		13
907	A Review on Design Strategies for Carbon Based Metal Oxides and Sulfides Nanocomposites for High Performance Li and Na Ion Battery Anodes. <b>2017</b> , 7, 1601424		389
906	Formation of hollow Co <sub>3</sub> O <sub>4</sub> nanocages with hierarchical shell structure as anode materials for lithium-ion batteries. <b>2017</b> , 24, 1079-1088		12
905	Critical Insight into the Relentless Progression Toward Graphene and Graphene-Containing Materials for Lithium-Ion Battery Anodes. <b>2017</b> , 29, 1603421		107
904	Ultrasmall MoS <sub>2</sub> Nanosheets Mosaiced into Nitrogen-Doped Hierarchical Porous Carbon Matrix for Enhanced Sodium Storage Performance. <i>Electrochimica Acta</i> , <b>2017</b> , 225, 369-377	6.7	31
903	Graphene [carbon nanotube] Mn <sub>3</sub> O <sub>4</sub> mesoporous nano-alloys as high capacity anodes for lithium-ion batteries. <b>2017</b> , 699, 106-111		30

902	Sonochemical synthesis and high lithium storage properties of ordered Co/CMK-3 nanocomposites. <i>Applied Surface Science</i> , <b>2017</b> , 400, 492-497	6.7	13
901	Low Molecular Weight Spandex as a Promising Polymeric Binder for LiFePO <sub>4</sub> Electrodes. <b>2017</b> , 7, 1602147		20
900	Pseudocapacitance-Enhanced High-Rate Lithium Storage in Honeycomblike Mn <sub>2</sub> O <sub>3</sub> Anodes. <i>ChemElectroChem</i> , <b>2017</b> , 4, 565-569	4.3	16
899	Combustion synthesized macroporous structure MFe <sub>2</sub> O <sub>4</sub> (M= Zn, Co) as anode materials with excellent electrochemical performance for lithium ion batteries. <b>2017</b> , 699, 401-407		30
898	General formation of three-dimensional (3D) interconnected M <sub>x</sub> S <sub>y</sub> (M= Ni, Zn, and Fe)-graphene nanosheets-carbon nanotubes aerogels for lithium-ion batteries with excellent rate capability and cycling stability. <b>2017</b> , 342, 105-115		33
897	Self-assembled CoO hexagonal plates by solvent engineering and their dramatically enhanced electrochemical performance. <b>2017</b> , 9, 940-946		10
896	Cubine, a Quasi Two-Dimensional CopperBismuth Nanosheet. <b>2017</b> , 29, 9819-9828		10
895	Graphene and derivatives [Synthesis techniques, properties and their energy applications. <b>2017</b> , 140, 766-778		76
894	Synthesis, Characterization, and Applications of Zero-Dimensional (0D) Nanostructures. <b>2017</b> , 21-146		3
893	Synthesis, Characterization, and Applications of Two-Dimensional (2D) Graphene-Related Nanostructures. <b>2017</b> , 221-361		
892	Recovered spinel MnCoO from spent lithium-ion batteries for enhanced electrocatalytic oxygen evolution in alkaline medium. <b>2017</b> , 46, 14382-14392		47
891	Facile synthesis of porous iron oxide/graphene hybrid nanocomposites and potential application in electrochemical energy storage. <b>2017</b> , 41, 13553-13559		20
890	Synthesis of Mesoporous CoS and NiCoS with Superior Supercapacitive Performance Using a Facile Solid-Phase Sulfurization. <b>2017</b> , 9, 36837-36848		49
889	Tuning Shell Numbers of Transition Metal Oxide Hollow Microspheres toward Durable and Superior Lithium Storage. <i>ACS Nano</i> , <b>2017</b> , 11, 11521-11530	16.7	72
888	Nanohybrid of Co <sub>3</sub> O <sub>4</sub> and histidine-functionalized graphene quantum dots for electrochemical detection of hydroquinone. <i>Electrochimica Acta</i> , <b>2017</b> , 255, 323-334	6.7	37
887	Revealing the Conversion Mechanism of Transition Metal Oxide Electrodes during Lithiation from First-Principles. <b>2017</b> , 29, 9011-9022		46
886	General Strategy for Integrated SnO/Metal Oxides as Biactive Lithium-Ion Battery Anodes with Ultralong Cycling Life. <b>2017</b> , 2, 6415-6423		2
885	Fatigue-Resistant Bioinspired Graphene-Based Nanocomposites. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703459	15.6	29

884	On-site evolution of ultrafine ZnO nanoparticles from hollow metal-organic frameworks for advanced lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 22512-22518	13	67
883	High-index faceted nickel ferrite nanocrystals encapsulated by graphene with high performance for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 257, 99-108	6.7	19
882	Preparation of Co <sub>3</sub> O <sub>4</sub> /Carbon Derived from Ionic Liquid and Its Application in Lithium-ion Batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 257, 138-145	6.7	28
881	Metal-Organic Frameworks Derived Nanocomposites of Mixed-Valent MnOx Nanoparticles In-Situ Grown on Ultrathin Carbon Sheets for High-Performance Supercapacitors and Lithium-Ion Batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 256, 63-72	6.7	26
880	Ultrathin Layered SnSe Nanoplates for Low Voltage, High-Rate, and Long-Life Alkali-Ion Batteries. <b>2017</b> , 13, 1702228		60
879	Metal-Organic-Framework-Derived Yolk-Shell-Structured Cobalt-Based Bimetallic Oxide Polyhedron with High Activity for Electrocatalytic Oxygen Evolution. <b>2017</b> , 9, 31777-31785		50
878	Graphene coated Co <sub>3</sub> V <sub>2</sub> O <sub>8</sub> micro-pencils for enhanced-performance in lithium ion batteries. <b>2017</b> , 41, 10634-10639		16
877	Conducting reduced graphene oxide wrapped LiFePO <sub>4</sub> /C nanocrystal as cathode material for high-rate lithium secondary batteries. <b>2017</b> , 310, 95-99		18
876	Nanorod Mn <sub>3</sub> O <sub>4</sub> anchored on graphene nanosheet as anode of lithium ion batteries with enhanced reversible capacity and cyclic performance. <b>2017</b> , 728, 383-390		14
875	Electrochemically exfoliated graphene as a novel microwave susceptor: the ultrafast microwave-assisted synthesis of carbon-coated silicon-graphene film as a lithium-ion battery anode. <b>2017</b> , 9, 15582-15590		26
874	Cyanate Ester Resin Filled with Graphene Nanosheets and NiFe <sub>2</sub> O <sub>4</sub> /Reduced Graphene Oxide Nanohybrids for Efficient Electromagnetic Interference Shielding. <b>2017</b> , 12, 1750066		12
873	Hierarchical bilayered hybrid nanostructural arrays of NiCoO micro-urchins and nanowires as a free-standing electrode with high loading for high-performance lithium-ion batteries. <b>2017</b> , 9, 14979-14989		28
872	Reversible Cluster Aggregation and Growth Model for Graphene Suspensions. <b>2017</b> , 63, 5462-5473		1
871	Interfacial Phenomena/Capacities Beyond Conversion Reaction Occurring in Nano-sized Transition-Metal-Oxide-Based Negative Electrodes in Lithium-Ion Batteries: A Review. <i>ChemElectroChem</i> , <b>2017</b> , 4, 2727-2754	4.3	30
870	Highly mesoporous C nanofibers with graphitized pore walls fabricated via ZnCo <sub>2</sub> O <sub>4</sub> -induced activating-catalyzed-graphitization for long-lifespan lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 21679-21687	13	19
869	Nanosheet-structured NiCo <sub>2</sub> O <sub>4</sub> /carbon nanotubes hybrid composite as a novel bifunctional oxygen electrocatalyst. <i>Electrochimica Acta</i> , <b>2017</b> , 252, 338-349	6.7	18
868	Self-assembly synthesis of 3D graphene-encapsulated hierarchical Fe <sub>3</sub> O <sub>4</sub> nano-flower architecture with high lithium storage capacity and excellent rate capability. <b>2017</b> , 365, 98-108		47
867	A novel p-n heterojunction Mn <sub>0.25</sub> Cd <sub>0.75</sub> S/Co <sub>3</sub> O <sub>4</sub> for highly efficient photocatalytic H <sub>2</sub> evolution under visible light irradiation. <b>2017</b> , 80, 570-577		33

866	Bimodal Porous Carbon-Silica Nanocomposites for Li-Ion Batteries. <b>2017</b> , 121, 16702-16709		16
865	Ultrafine Cobalt Phosphide Nanoparticles Embedded in Nitrogen-Doped Carbon Matrix as a Superior Anode Material for Lithium Ion Batteries. <b>2017</b> , 4, 1700377		63
864	Development of High-Voltage Aqueous Electrochemical Energy Storage Devices. <b>2017</b> , 4, 1700279		21
863	Controlled 3D Carbon Nanotube Architecture Coated with MoO <sub>x</sub> Material by ALD Technique: A High Energy Density Lithium-Ion Battery Electrode. <b>2017</b> , 4, 1700332		12
862	Low-Cost Metallic Anode Materials for High Performance Rechargeable Batteries. <b>2017</b> , 7, 1700536		118
861	Pseudo-solid-solution CuCo <sub>2</sub> O <sub>4</sub> /C nanofibers as excellent anodes for lithium ion batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 247, 692-700	6.7	32
860	Enhanced cyclic performance of Cu <sub>2</sub> V <sub>2</sub> O <sub>7</sub> / reduced Graphene Oxide mesoporous microspheres assembled by nanoparticles as anode for Li-ion battery. <b>2017</b> , 724, 421-426		17
859	Simple solvent-free preparation of dispersed composites and their application as catalysts in oxidation and hydrocarboxylation of cyclohexane. <b>2017</b> , 5, 52-62		8
858	Self-Assembled CoS Nanoflowers Wrapped in Reduced Graphene Oxides as the High-Performance Anode Materials for Sodium-Ion Batteries. <b>2017</b> , 23, 13150-13157		39
857	In-situ synthesized ZnFe <sub>2</sub> O <sub>4</sub> firmly anchored to the surface of MWCNTs as a long-life anode material with high lithium storage performance. <i>Applied Surface Science</i> , <b>2017</b> , 425, 978-987	6.7	26
856	Local Electric Field Facilitates High-Performance Li-Ion Batteries. <i>ACS Nano</i> , <b>2017</b> , 11, 8519-8526	16.7	112
855	Theory, Simulation, and Computation in Nanoscience and Nanotechnology. <i>ACS Nano</i> , <b>2017</b> , 11, 6505-6506	6.7	7
854	Fe <sub>3</sub> O <sub>4</sub> /C composite with hollow spheres in porous 3D-nanostructure as anode material for the lithium-ion batteries. <b>2017</b> , 363, 161-167		51
853	High-performance lithium storage based on the synergy of atomic-thickness nanosheets of TiO <sub>2</sub> (B) and ultrafine Co <sub>3</sub> O <sub>4</sub> nanoparticles. <b>2017</b> , 363, 110-116		17
852	A multi-functional gum arabic binder for NiFe <sub>2</sub> O <sub>4</sub> nanotube anodes enabling excellent Li/Na-ion storage performance. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 18138-18147	13	27
851	Conductive Co <sub>3</sub> O <sub>4</sub> /graphene (core/shell) quantum dots as electrode materials for electrochemical pseudocapacitor applications. <b>2017</b> , 130, 230-235		8
850	Intercalation of CoO in S-Doped Graphite as High-Performance Anodes for Lithium-Ion Batteries. <b>2017</b> , 5, 2244-2252		5
849	Emerging Opportunities for Two-Dimensional Materials in Lithium-Ion Batteries. <b>2017</b> , 2, 2026-2034		84

- 848 Hollow Co<sub>3</sub>O<sub>4</sub> Nanocages Decorated Graphene Aerogels Derived from Carbon Wrapped Nano-Co for Efficient Oxygen Reduction Reaction. **2017**, 2, 6359-6363 5
- 847 Remarkable High-temperature Performance of Hollow Co<sub>9</sub>S<sub>8</sub> Nanoparticles Integrated with Carbon Materials for Lithium-ion Batteries. *Electrochimica Acta*, **2017**, 250, 196-202 6.7 33
- 846 Ni/NiO/C Composites Derived from Nickel Based Metal-Organic Frameworks for Improved Enzyme-Based Biosensor. **2017**, 164, B495-B501 4
- 845 Spinach juice-derived porous Fe<sub>2</sub>O<sub>3</sub>/carbon nanorods as superior anodes for lithium-ion batteries. **2017**, 95, 321-327 17
- 844 Metal-organic frameworks derived (Cu<sub>0.30</sub>Co<sub>0.7</sub>)Co<sub>2</sub>O<sub>4</sub>/CuO composite rectangular pyramid grass as high performance anode materials for lithium ion battery. *Electrochimica Acta*, **2017**, 250, 35-41 6.7 7
- 843 Nonlinear viscoelastic dynamic responses of bi-graphene/piezoelectric laminated films under moving particles. **2017**, 131-132, 586-598 7
- 842 Functionalized NbS<sub>2</sub> as cathode for Li- and Na-ion batteries. **2017**, 111, 043903 15
- 841 Construction of MoO Quantum Dot-Graphene and MoS Nanoparticle-Graphene Nanoarchitectures toward Ultrahigh Lithium Storage Capability. **2017**, 9, 28441-28450 29
- 840 Superior lithium-ion insertion/extraction properties of a novel LiFePO<sub>4</sub>/C/graphene material used as a cathode in aqueous solution. **2017**, 46, 12019-12026 12
- 839 Preparation and Properties of NrGO-CNT Composite for Lithium-Ion Capacitors. **2017**, 164, A3657-A3665 9
- 838 FeNi<sub>2</sub>S<sub>4</sub> QDs @C composites as a high capacity and long life anode material for lithium ion battery and ex situ investigation of electrochemical mechanism. *Electrochimica Acta*, **2017**, 258, 1173-1181 6.7 6
- 837 In Situ Self-Assembly-Generated 3D Hierarchical CoO Micro/Nanomaterial Series: Selective Synthesis, Morphological Control, and Energy Applications. **2017**, 9, 44199-44213 12
- 836 Manganese silicate hollow spheres enclosed in reduced graphene oxide as anode for lithium-ion batteries. *Electrochimica Acta*, **2017**, 258, 535-543 6.7 42
- 835 Metal-Organic Framework-Derived Metal Oxide Embedded in Nitrogen-Doped Graphene Network for High-Performance Lithium-Ion Batteries. **2017**, 9, 43171-43178 50
- 834 Design of L-cysteine functionalized Au@SiO<sub>2</sub>@Fe<sub>3</sub>O<sub>4</sub>/nitrogen-doped graphene nanocomposite and its application in electrochemical detection of Pb<sup>2+</sup>. **2017**, 33, 951-957 7
- 833 Tracking the confinement effect of highly dispersive carbon in a tungsten oxide/carbon nanocomposite: conversion anode materials in lithium ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 24782-24789 13 14
- 832 Green synthesis of Co<sub>3</sub>O<sub>4</sub>/graphene nanocomposite as cathode for magnesium batteries. **2017**, 35, 528-533 3
- 831 Self-crosslink assisted synthesis of 3D porous branch-like Fe<sub>3</sub>O<sub>4</sub>/C hybrids for high-performance lithium/sodium-ion batteries. **2017**, 7, 50307-50316 19

- 830 Two-dimensional porous Co<sub>3</sub>O<sub>4</sub> nanosheets for high-performance lithium ion batteries. **2017**, 41, 15283-15288 2
- 829 Synthesis and performances of carbon fiber@Co<sub>3</sub>O<sub>4</sub> based on metal organic frameworks as anode materials for structural lithium-ion battery. *Journal of Electroanalytical Chemistry*, **2017**, 807, 196-202 4.1 29
- 828 Striking hierarchical urchin-like peapodded NiCo<sub>2</sub>O<sub>4</sub>@C as advanced bifunctional electrocatalyst for overall water splitting. **2017**, 372, 46-53 43
- 827 Nanostructured materials: A progressive assessment and future direction for energy device applications. **2017**, 353, 113-141 29
- 826 Ultralow Pt Loaded Molybdenum Dioxide/Carbon Nanotubes for Highly Efficient and Durable Hydrogen Evolution Reaction. **2017**, 121, 24979-24986 17
- 825 A flexible asymmetric fibered-supercapacitor based on unique Co<sub>3</sub>O<sub>4</sub>@PPy core-shell nanorod arrays electrode. *Chemical Engineering Journal*, **2017**, 327, 193-201 14.7 57
- 824 Fabrication of Metal Molybdate Micro/Nanomaterials for Electrochemical Energy Storage. **2017**, 13, 1700917 87
- 823 ZnO nanoparticles anchored on nickel foam with graphene as morphology-controlling agent for high-performance lithium-ion battery anodes. **2017**, 47, 969-978 4
- 822 Synthesis and characterization of CeO<sub>2</sub> nanoparticles on porous carbon for Li-ion battery. **2017**, 2, 3299-3307 6
- 821 Hierarchically-structured hollow NiO nanospheres/nitrogen-doped graphene hybrid with superior capacity retention and enhanced rate capability for lithium-ion batteries. *Applied Surface Science*, **2017**, 425, 461-469 6.7 25
- 820 Roles of carbon nanotubes in novel energy storage devices. *Carbon*, **2017**, 122, 462-474 10.4 99
- 819 Graphene enhanced anchoring of nanosized Co<sub>3</sub>O<sub>4</sub> particles on carbon fiber cloth as free-standing anode for lithium-ion batteries with superior cycling stability. *Electrochimica Acta*, **2017**, 247, 125-131 6.7 34
- 818 High-yield synthesis of ZnO nanoparticles homogeneously coated on exfoliated graphite and simplified method to determine the surface coverage. **2017**, 325, 445-453 3
- 817 Synthesis and electrochemical performance of three-dimensionally ordered macroporous CoCr<sub>2</sub>O<sub>4</sub> as an anode material for lithium ion batteries. *Electrochimica Acta*, **2017**, 247, 1-11 6.7 12
- 816 Heterogeneous Double-Shelled Constructed FeO Yolk-Shell Magnetite Nanoboxes with Superior Lithium Storage Performances. **2017**, 9, 24662-24670 29
- 815 Cerium vanadate and reduced graphene oxide composites for lithium-ion batteries. **2017**, 724, 1075-1082 25
- 814 Catalytic performance of graphene-bimetallic composite for heterogeneous oxidation of acid orange 7 from aqueous solution. **2017**, 24, 7264-7273 6
- 813 Effects of Graphene Monolayer Coating on the Optical Performance of Remote Phosphors. *Journal of Electronic Materials*, **2017**, 46, 5866-5872 1.9 4

812	A new insight into PAM/graphene-based adsorption of water-soluble aromatic pollutants. <b>2017</b> , 52, 8650-8664	35
811	Preparation and electrochemical properties of nanocable-like Nb <sub>2</sub> O <sub>5</sub> /surface-modified carbon nanotubes composites for anode materials in lithium ion batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 246, 1088-1096	84
810	One-step synthesis and gas sensing properties of hierarchical Fe doped Co <sub>3</sub> O <sub>4</sub> nanostructures. <b>2017</b> , 723, 779-786	36
809	Nanostructured Co <sub>3</sub> O <sub>4</sub> /nitrogen doped carbon nanotube composites for high-performance supercapacitors. <b>2017</b> , 206, 39-43	23
808	Nanostructured Phosphorus Doped Silicon/Graphite Composite as Anode for High-Performance Lithium-Ion Batteries. <b>2017</b> , 9, 23672-23678	88
807	Polyaniline/reduced graphene oxide/cobalt sulfide ternary composite for high-performance supercapacitors. <b>2017</b> , 28, 3607-3615	17
806	Interfacial charge carrier dynamics of cuprous oxide-reduced graphene oxide (Cu <sub>2</sub> O-rGO) nanoheterostructures and their related visible-light-driven photocatalysis. <b>2017</b> , 204, 21-32	149
805	Studies on intrinsic phase-dependent electrochemical properties of MnS nanocrystals as anodes for lithium-ion batteries. <b>2017</b> , 338, 9-16	55
804	Enhanced gas sensing properties to acetone vapor achieved by Fe <sub>2</sub> O <sub>3</sub> particles ameliorated with reduced graphene oxide sheets. <b>2017</b> , 241, 904-914	90
803	3D Graphene Frameworks/Co O Composites Electrode for High-Performance Supercapacitor and Enzymeless Glucose Detection. <b>2017</b> , 13, 1602077	118
802	Facile synthesis of Co <sub>3</sub> V <sub>2</sub> O <sub>8</sub> nanoparticle arrays on Ni foam as binder-free electrode with improved lithium storage properties. <b>2017</b> , 43, 1166-1173	16
801	Graphene-based materials for high-voltage and high-energy asymmetric supercapacitors. <b>2017</b> , 6, 70-97	201
800	A sliced orange-shaped ZnCo <sub>2</sub> O <sub>4</sub> material as anode for high-performance lithium ion battery. <b>2017</b> , 6, 61-69	60
799	Cobalt Oxide@Tin Oxide@Silver Core/Shell Nanowire Arrays as Electrodes for Lithium-Ion Batteries. <b>2017</b> , 5, 277-282	3
798	In situ growth of ultrashort rice-like CuO nanorods supported on reduced graphene oxide nanosheets and their lithium storage performance. <i>Ionics</i> , <b>2017</b> , 23, 607-616	2.7 6
797	UV-assisted synthesis of surface modified mesoporous TiO <sub>2</sub> /G microspheres and its electrochemical performances in lithium ion batteries. <i>Applied Surface Science</i> , <b>2017</b> , 392, 897-903	6.7 28
796	Superior lithium storage properties of Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> /MWCNT composite with a nanoparticle (0D)/nanorod (1D) hetero-dimensional morphology. <i>Chemical Engineering Journal</i> , <b>2017</b> , 307, 239-248	14.7 21
795	Direct mapping of chemical oxidation of individual graphene sheets through dynamic force measurements at the nanoscale. <b>2017</b> , 9, 119-127	17

794	Construction of point-line-plane (0-1-2 dimensional) Fe <sub>2</sub> O <sub>3</sub> -SnO <sub>2</sub> /graphene hybrids as the anodes with excellent lithium storage capability. <b>2017</b> , 10, 121-133		33
793	Mesoporous MnS nanospheres as anode materials for Li ion batteries. <b>2017</b> , 188, 13-16		8
792	Sub-10-nm Co <sub>3</sub> O <sub>4</sub> nanoparticles/graphene composites as high-performance anodes for lithium storage. <i>Chemical Engineering Journal</i> , <b>2017</b> , 309, 15-21	14.7	27
791	Twin-functional graphene oxide: compacting with Fe <sub>2</sub> O <sub>3</sub> into a high volumetric capacity anode for lithium ion battery. <b>2017</b> , 6, 98-103		56
790	Control Growth of Mesoporous Nickel Tungstate Nanofiber and Its Application as Anode Material for Lithium-Ion Batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 224, 460-467	6.7	30
789	Enhanced electrocatalytic nitrite determination using poly(diallyldimethylammonium chloride)-coated Fe <sub>1.833</sub> (OH) <sub>0.5</sub> O <sub>2.5</sub> -decorated N-doped graphene ternary hierarchical nanocomposite. <b>2017</b> , 243, 184-194		28
788	General Synthesis of N-Doped Macroporous Graphene-Encapsulated Mesoporous Metal Oxides and Their Application as New Anode Materials for Sodium-Ion Hybrid Supercapacitors. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1603921	15.6	106
787	Effect of carbon-layer rearrangement on one- and two-photon absorption properties in the alternative graphene-like hybrids: A theoretical investigation. <b>2017</b> , 138, 213-222		
786	Heterogeneous activation of peroxymonosulfate using ordered mesoporous Co <sub>3</sub> O <sub>4</sub> for the degradation of chloramphenicol at neutral pH. <i>Chemical Engineering Journal</i> , <b>2017</b> , 308, 505-515	14.7	213
785	A combined self-assembly and calcination method for preparation of nanoparticles-assembled cobalt oxide nanosheets using graphene oxide as template and their application for non-enzymatic glucose biosensing. <b>2017</b> , 485, 159-166		25
784	Synthesis of 3D Flower-like Nanocomposites of Nitrogen-Doped Carbon Nanosheets Embedded with Hollow Cobalt(II,III) Oxide Nanospheres for Lithium Storage. <i>ChemElectroChem</i> , <b>2017</b> , 4, 102-108	4.3	12
783	Magnetic Property of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> @O Nanocomposite. <b>2017</b> , 53, 1-6		7
782	A facile solvothermal synthesis of NiFe <sub>2</sub> O <sub>4</sub> /RGO and its enhanced catalytic activity on thermal decomposition of ammonium perchlorate. <b>2017</b> ,		2
781	Simultaneous modulation of surface composition, oxygen vacancies and assembly in hierarchical CoO mesoporous nanostructures for lithium storage and electrocatalytic oxygen evolution. <b>2017</b> , 9, 14431-14441		62
780	Biosafety and Antibacterial Ability of Graphene and Graphene Oxide In Vitro and In Vivo. <b>2017</b> , 12, 564		60
779	Metal-semiconductor core-shell nanomaterials for energy applications. <b>2017</b> , 99-132		1
778	Synthesis of graphene-transition metal oxide hybrid nanoparticles and their application in various fields. <b>2017</b> , 8, 688-714		76
777	A Critical Review of Spinel Structured Iron Cobalt Oxides Based Materials for Electrochemical Energy Storage and Conversion. <b>2017</b> , 10, 1787		33

776	Insertion of Mono- vs. Bi- vs. Trivalent Atoms in Prospective Active Electrode Materials for Electrochemical Batteries: An ab Initio Perspective. <b>2017</b> , 10, 2061	7
775	Environmental-Friendly and Facile Synthesis of CoO Nanowires and Their Promising Application with Graphene in Lithium-Ion Batteries. <b>2017</b> , 12, 615	5
774	Preliminary study of electrical conductivity and electrochemical properties of the influence copper addition in reduced graphene oxide (rGO). <b>2017</b> ,	1
773	Graphene hybridization for energy storage applications. <b>2018</b> , 47, 3189-3216	232
772	CNT Applications in Drug and Biomolecule Delivery. <b>2018</b> , 61-64	9
771	Synthesis and Chemical Modification of Graphene. <b>2018</b> , 107-119	
770	Graphene Applications in Sensors. <b>2018</b> , 125-132	
769	Graphene Applications in Batteries and Energy Devices. <b>2018</b> , 133-139	2
768	Medical and Pharmaceutical Applications of Graphene. <b>2018</b> , 149-150	1
767	Graphene Applications in Specialized Materials. <b>2018</b> , 151-154	
766	Miscellaneous Applications of Graphene. <b>2018</b> , 155-155	
765	Basic Electrochromics of CPs. <b>2018</b> , 251-282	
764	Batteries and Energy Devices. <b>2018</b> , 575-600	
763	Brief, General Overview of Applications. <b>2018</b> , 43-44	
762	CNT Applications in Batteries and Energy Devices. <b>2018</b> , 49-52	1
761	Co3O4 and its composites for high-performance Li-ion batteries. <i>Chemical Engineering Journal</i> , <b>2018</b> , 343, 427-446	14.7 71
760	Graphene devices based on laser scribing technology. <b>2018</b> , 57, 04FA01	7
759	Synthesis of Aminopyrene-tetraone-Modified Reduced Graphene Oxide as an Electrode Material for High-Performance Supercapacitors. <b>2018</b> , 6, 4729-4738	30

758	Hierarchical three-dimensional flower-like Co <sub>3</sub> O <sub>4</sub> architectures with a mesocrystal structure as high capacity anode materials for long-lived lithium-ion batteries. <b>2018</b> , 11, 1437-1446		78
757	Hierarchical mesoporous Co <sub>3</sub> O <sub>4</sub> @ZnCo <sub>2</sub> O <sub>4</sub> hybrid nanowire arrays supported on Ni foam for high-performance asymmetric supercapacitors. <i>Science China Materials</i> , <b>2018</b> , 61, 1167-1176	7.1	36
756	A Lithium-Ion Battery using a 3 D-Array Nanostructured Graphene-Sulfur Cathode and a Silicon Oxide-Based Anode. <b>2018</b> , 11, 1512-1520		41
755	Nano-Sized Structurally Disordered Metal Oxide Composite Aerogels as High-Power Anodes in Hybrid Supercapacitors. <i>ACS Nano</i> , <b>2018</b> , 12, 2753-2763	16.7	97
754	High-Performance Anode Materials for Rechargeable Lithium-Ion Batteries. <b>2018</b> , 1, 35-53		334
753	Facile synthesis of Co <sub>3</sub> O <sub>4</sub> nanosheets from MOF nanoplates for high performance anodes of lithium-ion batteries. <b>2018</b> , 5, 1602-1608		33
752	Dandelion-like CoO mesoporous nanostructures supported by a Cu foam for efficient oxygen evolution and lithium storage. <b>2018</b> , 54, 5138-5141		18
751	High-capacity activated carbon anode material for lithium-ion batteries prepared from rice husk by a facile method. <b>2018</b> , 86, 139-145		34
750	Simultaneous Enhancement of the Performance and Stability of MnO <sub>2</sub> Based Lithium Ion Battery Anodes by Compositing with Fluorine Terminated Functionalized Graphene Oxide. <b>2018</b> , 3, 3958-3964		3
749	Embedding Co <sub>3</sub> O <sub>4</sub> nanoparticles into graphene nanoscrolls as anode for lithium ion batteries with superior capacity and outstanding cycling stability. <b>2018</b> , 28, 212-217		8
748	Dual Electrostatic Assembly of Graphene Encapsulated Nanosheet-Assembled ZnO-Mn-C Hollow Microspheres as a Lithium Ion Battery Anode. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707433	15.6	69
747	Multidimensional Synergistic Nanoarchitecture Exhibiting Highly Stable and Ultrafast Sodium-Ion Storage. <b>2018</b> , 30, e1707122		94
746	High energy density hybrid lithium-ion capacitor enabled by Co <sub>3</sub> ZnC@N-doped carbon nanopolyhedra anode and microporous carbon cathode. <b>2018</b> , 14, 246-252		88
745	Self-supporting CoO/Graphene Hybrid Films as Binder-free Anode Materials for Lithium Ion Batteries. <b>2018</b> , 8, 3182		41
744	Co <sub>3</sub> O <sub>4</sub> nanocrystals with exposed low-surface-energy planes anchored on chemically integrated graphitic carbon nitride-modified nitrogen-doped graphene: A high-performance anode material for lithium-ion batteries. <i>Applied Surface Science</i> , <b>2018</b> , 439, 447-455	6.7	11
743	Mesoporous perforated Co <sub>3</sub> O <sub>4</sub> nanoparticles with a thin carbon layer for high performance Li-ion battery anodes. <i>Electrochimica Acta</i> , <b>2018</b> , 264, 376-385	6.7	18
742	Spherical cobalt/cobalt oxide - Carbon composite anodes for enhanced lithium-ion storage. <i>Electrochimica Acta</i> , <b>2018</b> , 264, 191-202	6.7	15
741	Self-Assembled Graphene Nanostructures and Their Applications. <b>2018</b> , 39-74		

740	Environmental benign synthesis of reduced graphene oxide (rGO) from spent lithium-ion batteries (LIBs) graphite and its application in supercapacitor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 543, 98-108	5.1	45
739	Electrophoretically deposited $\text{Fe}_2\text{O}_3$ and $\text{TiO}_2$ composite anchored on rGO with excellent cycle performance as anode for lithium ion batteries. <b>2018</b> , 319, 1-6		12
738	Fabrication of $\text{CoVO}$ nanorods embedded in graphene sheets and their application for electrochemical charge storage electrode. <b>2018</b> , 29, 195403		6
737	Photodetectors Based on $\text{SnS}_2$ /Graphene Heterostructure on Rigid and Flexible Substrates. <b>2018</b> , 4, 373-378		21
736	Steel: The Resurrection of a Forgotten Water-Splitting Catalyst. <b>2018</b> , 3, 574-591		86
735	Enhanced Photocatalytic Degradation of Synthetic Dyes and Industrial Dye Wastewater by Hydrothermally Synthesized $\text{CuO}/\text{TiO}_2$ Hybrid Nanocomposites Under Visible Light Irradiation. <b>2018</b> , 29, 235-250		10
734	Cobalt Spinel (111) Facets of Various Stoichiometry DFT+U and Ab Initio Thermodynamic Investigations. <b>2018</b> , 122, 2866-2879		13
733	Rate Behavior of $\text{MoO}_2$ /Graphene Oxide Lithium-Ion Battery Anodes from Electrochemical Contributions. <b>2018</b> , 165, A439-A447		24
732	Effect of lithium and sodium salt on the performance of $\text{Nb}_2\text{O}_5$ /rGO nanocomposite based supercapacitor. <b>2018</b> , 5, 035512		10
731	In situ growth of hexagonal-shaped $\text{Fe}_2\text{O}_3$ nanostructures over few layered graphene by hydrothermal method and their electrochemical performance. <b>2018</b> , 29, 6898-6908		7
730	Flow and heat transfer in water based liquid film fluids dispensed with graphene nanoparticles. <b>2018</b> , 8, 1143-1157		45
729	Ultrathin Mesoporous $\text{CoO}$ Nanosheet Arrays for High-Performance Lithium-Ion Batteries. <b>2018</b> , 3, 1675-1683		29
728	$\text{VO}_2$ nanoparticles on edge oriented graphene foam for high rate lithium ion batteries and supercapacitors. <i>Applied Surface Science</i> , <b>2018</b> , 441, 466-473	6.7	22
727	Room-Temperature Vapor Deposition of Cobalt Nitride Nanofilms for Mesoscopic and Perovskite Solar Cells. <b>2018</b> , 8, 1703114		23
726	Transition metal oxide nanostructures: premeditated fabrication and applications in electronic and photonic devices. <b>2018</b> , 53, 4334-4359		23
725	Charge-driven self-assembly synthesis of straw-sheaf-like $\text{Co}_3\text{O}_4$ with superior cyclability and rate capability for lithium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2018</b> , 338, 278-286	14.7	25
724	The unified ordered mesoporous carbons supported Co-based electrocatalysts for full water splitting. <i>Electrochimica Acta</i> , <b>2018</b> , 261, 412-420	6.7	14
723	Doping of Ni and Zn Elements in $\text{MnCO}$ : High-Power Anode Material for Lithium-Ion Batteries. <b>2018</b> , 14, 1702574		18

722	Nanocrystals from Oriented-Attachment for Energy Applications. <b>2018,</b>	4
721	Ultrafast-Versatile-Domestic-Microwave-Oven Based Graphene Oxide Reactor for the Synthesis of Highly Efficient Graphene Based Hybrid Electrocatalysts. <b>2018, 6, 4037-4045</b>	8
720	Three-dimensional sandwich-structured NiMn2O4@reduced graphene oxide nanocomposites for highly reversible Li-ion battery anodes. <b>2018, 378, 677-684</b>	31
719	Nonlinear dynamic responses of triple-layered graphene sheets under moving particles and an external magnetic field. <b>2018, 136, 413-423</b>	11
718	In-situ preparation and unique electrochemical behavior of pore-embedding CoO/Co3O4 intermixed composite for Li+ rechargeable battery electrodes. <b>2018, 378, 562-570</b>	12
717	Porous graphene current collectors filled with silicon as high-performance lithium battery anode. <b>2018, 5, 014004</b>	16
716	Cobalt Nanoparticles Chemically Bonded to Porous Carbon Nanosheets: A Stable High-Capacity Anode for Fast-Charging Lithium-Ion Batteries. <b>2018, 10, 4652-4661</b>	32
715	Graphene aerogels for efficient energy storage and conversion. <b>2018, 11, 772-799</b>	272
714	Microfluidic Synthesis of Metallic Nanomaterials. <b>2018, 419-443</b>	
713	A Universal Strategy for Hollow Metal Oxide Nanoparticles Encapsulated into B/N Co-Doped Graphitic Nanotubes as High-Performance Lithium-Ion Battery Anodes. <b>2018, 30, 1705441</b>	276
712	Oriented-Attachment Nanocrystals in Lithium Ion Batteries. <b>2018, 27-38</b>	
711	A high-capacity NiCo2O4@reduced graphene oxide nanocomposite Li-ion battery anode. <b>2018, 741, 223-230</b>	34
710	Surface confined titania redox couple for ultrafast energy storage. <b>2018, 5, 691-698</b>	14
709	A Nanocrystalline FeO Film Anode Prepared by Pulsed Laser Deposition for Lithium-Ion Batteries. <b>2018, 13, 60</b>	17
708	Recent advances in graphene-based freestanding paper-like materials for sensing applications. <b>2018, 105, 75-88</b>	42
707	Conversion-type Anode Materials for Alkali-Ion Batteries: State of the Art and Possible Research Directions. <b>2018, 3, 4591-4601</b>	39
706	Carbon Nanocomposites in Electrochemical Capacitor Applications. <b>2018, 33-65</b>	
705	Hierarchical Co3O4@C hollow microspheres with high capacity as an anode material for lithium-ion batteries. <i>Ionics</i> , <b>2018, 24, 3757-3769</b>	2.7 12

704	Substitutional Carbon-Modified Anatase TiO Decahedral Plates Directly Derived from Titanium Oxalate Crystals via Topotactic Transition. <b>2018</b> , 30, e1705999		38
703	Carbon-assisted conversion reaction-based oxide nanomaterials for lithium-ion batteries. <b>2018</b> , 2, 1124-1140		25
702	Organic vanadium oxy-acetylacetonate as electro-active anode material with high capacity and rate performance for lithium-ion batteries. <b>2018</b> , 53, 9701-9709		1
701	A newly synthesized Au/GO-Co3O4 composite effectively inhibits the replication of tetracycline resistance gene in water. <i>Chemical Engineering Journal</i> , <b>2018</b> , 345, 462-470	14.7	18
700	Zn defective ZnCo2O4 nanorods as high capacity anode for lithium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 815, 151-157	4.1	20
699	Co3O4 nanoparticles@MOF-5-derived porous carbon composites as anode materials with superior lithium storage performance. <b>2018</b> , 749, 645-651		33
698	Electrochemical study of Ionic Liquid based polymer electrolyte with graphene oxide coated LiFePO4 cathode for Li battery. <b>2018</b> , 320, 186-192		28
697	Ultrasensitive photoelectrochemical aptasensor for lead ion detection based on sensitization effect of CdTe QDs on MoS-CdS:Mn nanocomposites by the formation of G-quadruplex structure. <b>2018</b> , 183, 237-244		32
696	Vanadium trioxide nanowire arrays as a cathode material for lithium-ion battery. <b>2018</b> , 44, 11307-11313		27
695	Surface pore-containing NiCo2O4 nanobelts with preferred (311) plane supported on reduced graphene oxide: A high-performance anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 271, 137-145	6.7	27
694	Comparative studies of electrochemical performance and characterization of TiO2/graphene nanocomposites as anode materials for Li-secondary batteries. <b>2018</b> , 64, 151-166		12
693	Electrode Materials, Electrolytes, and Challenges in Nonaqueous Lithium-Ion Capacitors. <b>2018</b> , 30, e1705670		236
692	Designed Synthesis of CoO/CuO/rGO Ternary Nanocomposites as High-Performance Anodes for Lithium-Ion Batteries. <b>2018</b> , 70, 1793-1799		8
691	A facile one-pot preparation of Co3O4/g-C3N4 heterojunctions with excellent electrocatalytic activity for the detection of environmental phenolic hormones. <i>Applied Surface Science</i> , <b>2018</b> , 430, 362-370	6.7	42
690	Preparation of Co3O4 hollow microsphere/graphene/carbon nanotube flexible film as a binder-free anode material for lithium-ion batteries. <i>Ionics</i> , <b>2018</b> , 24, 111-120	2.7	7
689	Facile synthesis of Ni3S2/rGO nanosheets composite on nickel foam as efficient electrocatalyst for hydrogen evolution reaction in alkaline media. <b>2018</b> , 33, 519-527		18
688	Spectroscopic investigations on the origin of the improved performance of composites of nanoparticles/graphene sheets as anodes for lithium ion batteries. <i>Carbon</i> , <b>2018</b> , 127, 47-56	10.4	7
687	An electrochemical sensing platform of cobalt oxide@gold nanocubes interleaved reduced graphene oxide for the selective determination of hydrazine. <i>Electrochimica Acta</i> , <b>2018</b> , 259, 606-616	6.7	46

686	Microwave absorption properties of holey graphene/silicone rubber composites. <b>2018</b> , 135, 119-128		47
685	Molybdenum Oxide/Graphene Nanocomposite Electrodes with Enhanced Capacitive Performance for Supercapacitor Applications. <b>2018</b> , 28, 50-62		13
684	N-doped coaxial CNTs@Fe <sub>2</sub> O <sub>3</sub> @C nanofibers as anode material for high performance lithium ion battery. <b>2018</b> , 27, 1453-1460		24
683	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
682	Cobalt oxide nanosheets anchored onto nitrogen-doped carbon nanotubes as dual purpose electrodes for lithium-ion batteries and oxygen evolution reaction. <b>2018</b> , 42, 853-862		26
681	Graphene oxide covalently functionalized with an organic superbase as highly efficient and durable nanocatalyst for green Michael addition reaction. <b>2018</b> , 44, 305-323		11
680	The two-dimensional to three-dimensional transition structures of ZnCo <sub>2</sub> O <sub>4</sub> for the application of lithium-ion batteries. <i>Applied Surface Science</i> , <b>2018</b> , 427, 293-301	6.7	15
679	Saqima-like Co <sub>3</sub> O <sub>4</sub> /CNTs secondary microstructures with ultrahigh initial Coulombic efficiency as an anode for lithium ion batteries. <b>2018</b> , 22, 417-427		8
678	Enhanced lithium storage of mesoporous vanadium dioxide(B) nanorods by reduced graphene oxide support. <b>2018</b> , 27, 183-189		12
677	Zinc/Nickel-Doped Hollow Core-Shell Co O Derived from a Metal-Organic Framework with High Capacity, Stability, and Rate Performance in Lithium/Sodium-Ion Batteries. <b>2018</b> , 24, 1651-1656		32
676	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
675	Coupling interconnected MoO/WO nanosheets with a graphene framework as a highly efficient anode for lithium-ion batteries. <b>2017</b> , 10, 396-402		21
674	Two- and three-dimensional graphene-based hybrid composites for advanced energy storage and conversion devices. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 702-734	13	106
673	Self-Assembled Graphene-Based Architectures and Their Applications. <b>2018</b> , 5, 1700626		50
672	Fabrication of porous ZnCo <sub>2</sub> O <sub>4</sub> nanoribbon arrays on nickel foam for high-performance supercapacitors and lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 260, 823-829	6.7	42
671	CoO/CoFe <sub>2</sub> O <sub>4</sub> bi-component nanorod core with S-doped carbon shell as excellent anode for lithium ion battery. <b>2018</b> , 737, 442-447		12
670	Hierarchical hybrid ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles/reduced graphene oxide composite with long-term and high-rate performance for lithium ion batteries. <b>2018</b> , 737, 58-66		30
669	Exploration of the Active Center Structure of Nitrogen-Doped Graphene for Control over the Growth of Co <sub>3</sub> O <sub>4</sub> for a High-Performance Supercapacitor. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 143-153 <sup>6.1</sup>		50

668	Engineering rGO-CNT wrapped Co <sub>3</sub> S <sub>4</sub> nanocomposites for high-performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 66-80	14.7	133
667	Rhodamine B removal on A-rGO/cobalt oxide nanoparticles composite by adsorption from contaminated water. <b>2018</b> , 1161, 356-365		32
666	Electrochemical performances of iron-cobalt oxides nanoparticles loaded crumpled graphene for supercapacitor. <b>2018</b> , 735, 2030-2037		33
665	Cyanide-metal framework derived CoMoO <sub>4</sub> /Co <sub>3</sub> O <sub>4</sub> hollow porous octahedrons as advanced anodes for high performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 1048-1056	13	67
664	CTAB-assisted growth of self-supported ZnGeO nanosheet network on a conductive foam as a binder-free electrode for long-life lithium-ion batteries. <b>2018</b> , 10, 921-929		41
663	General oriented assembly of uniform carbon-confined metal oxide nanodots on graphene for stable and ultrafast lithium storage. <b>2018</b> , 5, 78-85		32
662	Two-dimensional organic cathode materials for alkali-metal-ion batteries. <b>2018</b> , 27, 86-98		29
661	Metal-organic frameworks derived yolk-shell ZnO/NiO microspheres as high-performance anode materials for lithium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2018</b> , 335, 579-589	14.7	131
660	A review on manifold synthetic and reprocessing methods of 3D porous graphene-based architecture for Li-ion anode. <i>Chemical Engineering Journal</i> , <b>2018</b> , 335, 954-969	14.7	49
659	Visible light laser-induced graphene from phenolic resin: A new approach for directly writing graphene-based electrochemical devices on various substrates. <i>Carbon</i> , <b>2018</b> , 127, 287-296	10.4	108
658	Preparation of doped polypyrrole composites as effective chromium ion absorbents. <b>2018</b> , 39, 4416-4424		5
657	Interface Engineering of Carbon-Based Nanocomposites for Advanced Electrochemical Energy Storage. <b>2018</b> , 5, 1800430		76
656	Investigation on the Room-temperature preparation of Cobalt hybrid/Graphene Nanocomposite and application in wastewater purification: Highly Efficient Removal of Congo Red. <b>2018</b> , 292, 012014		
655	Self-assembled 3D flower-like Fe <sub>3</sub> O <sub>4</sub> /C architecture with superior lithium ion storage performance. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24940-24948	13	62
654	3D plum candy-like NiCoMnO@graphene as anodes for high-performance lithium-ion batteries.. <b>2018</b> , 8, 42438-42445		5
653	Enhanced adsorption behaviors of Co on robust chitosan hydrogel microspheres derived from an alkali solution system: kinetics and isotherm analysis.. <b>2018</b> , 8, 36858-36868		7
652	Controllable synthesis of nanostructured ZnCoO as high-performance anode materials for lithium-ion batteries.. <b>2018</b> , 8, 39377-39383		5
651	Preparation and catalytic behavior of reduced graphene oxide supported cobalt oxide hybrid nanocatalysts for CO oxidation. <b>2018</b> , 28, 2265-2273		12

650	. 2018,			3
649	Carbon nanotube tissue as anode current collector for flexible Li-ion batteriesUnderstanding the controlling parameters influencing the electrochemical performance. 2018, 6, 111102			9
648	Mono- and Diatomic Reactive Oxygen Species Produced upon O2 Interaction with the (111) Facet of Cobalt Spinel at Various ConditionsMolecular DFT and Atomistic Thermodynamic Investigations. 2018, 122, 27528-27539			10
647	Recent Advances of Cobalt-Based Electrocatalysts for Oxygen Electrode Reactions and Hydrogen Evolution Reaction. 2018, 8, 559			66
646	Graphene-enhanced metal oxide gas sensors at room temperature: a review. 2018, 9, 2832-2844			77
645	Mixed-Phase MnO/N-Containing Graphene Composites Applied as Electrode Active Materials for Flexible Asymmetric Solid-State Supercapacitors. <i>Nanomaterials</i> , 2018, 8,	5-4		9
644	A brief review on plasma for synthesis and processing of electrode materials. 2018, 3, 28-47			30
643	Facile sonochemical synthesis of artichoke-like Co3O4-graphene nanocomposites. 2018, 464, 012010			
642	Rational Design of 3D Honeycomb-Like SnS Quantum Dots/rGO Composites as High-Performance Anode Materials for Lithium/Sodium-Ion Batteries. 2018, 13, 389			22
641	NbO Nanoparticles Anchored on an N-Doped Graphene Hybrid Anode for a Sodium-Ion Capacitor with High Energy Density. 2018, 3, 15943-15951			16
640	Role of dilution on the electronic structure and magnetic ordering of spinel cobaltites. 2018, 98,			12
639	Tungsten-Based Materials for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1707500	15.6		80
638	Carbon Wrapped Ni/Nanocrystals Anchored on Graphene Sheets as Anode Materials for Lithium-Ion Battery and the Study on Their Capacity Evolution. <i>Nanomaterials</i> , 2018, 8,	5-4		12
637	Porous CoO nanosheets as a high-performance non-enzymatic sensor for glucose detection. 2018, 410, 7663-7670			13
636	Free-standing palladium modified reduced graphene oxide paper based on one-pot co-reduction and its sensing application. 2018, 712, 71-77			7
635	A Self-Healing Room-Temperature Liquid-Metal Anode for Alkali-Ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1804649	15.6		89
634	Dynamics of GeSbTe phase-change nanoparticles deposited on graphene. 2018, 29, 505706			6
633	Fabrication of three-dimensional hollow C@CoO@graphene composite anode for long-life Li-ion batteries. <i>Electrochimica Acta</i> , 2018, 291, 206-215	6.7		25

632	Preparation and tribological properties of Ag nanoparticles/reduced graphene oxide nanocomposites. <b>2018</b> , 70, 1684-1691		7
631	3D graphene aerogel wrapped 3D flower-like Fe <sub>3</sub> O <sub>4</sub> as a long stable and high rate anode material for lithium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 830-831, 106-115	4.1	9
630	Nano Graphene Shell for Silicon Nanoparticles: A Novel Strategy for a High Stability Rechargeable Battery Anode. <b>2018</b> , 3, 11190-11199		5
629	Deoxygenation of graphene oxide using biocompatible reducing agent Ficus carica (dried ripe fig). <b>2018</b> , 8, 431-440		9
628	The Effects of Power Levels/Time Periods for Sputtering Cobalt onto Carbon Nanotubes/Graphene Composites and Cobalt Annealed on the Characteristics of Anode Materials for Lithium-Ion Batteries. <b>2018</b> , 2018, 1-11		1
627	Solid-State Sintering Strategy for Simultaneous Nanosizing and Surface Coating of Iron Oxides as High-Capacity Anodes for Long-Life Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 6330-6337	6.1	5
626	Spray-Dried Mesoporous Mixed Cu-Ni Oxide@Graphene Nanocomposite Microspheres for High Power and Durable Li-Ion Battery Anodes. <b>2018</b> , 8, 1802438		62
625	The synthesis, characterization and electrochemical performance of hollow sandwich microtubules composed of ultrathin Co <sub>3</sub> O <sub>4</sub> nanosheets and porous carbon using a bio-template. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 18987-18993	13	21
624	Facile preparation of rGO/MFeO (M = Cu, Co, Ni) nanohybrids and its catalytic performance during the thermal decomposition of ammonium perchlorate.. <b>2018</b> , 8, 32221-32230		19
623	Spray deposition and characterization of carbon nanoflower and gold-doped carbon nanoflower thin films. <b>2018</b> , 29, 455709		1
622	Phase and Morphology Evolution Induced Lithium Storage Capacity Enhancement of Porous CoO Nanowires Intertwined with Reduced Graphene Oxide Nanosheets. <i>ChemElectroChem</i> , <b>2018</b> , 5, 3679-3687	4.3	5
621	Structural engineering of S-doped Co/N/C mesoporous nanorods via the Ostwald ripening-assisted template method for oxygen reduction reaction and Li-ion batteries. <b>2018</b> , 401, 55-64		13
620	Improved Specific Capacity of Nb <sub>2</sub> O <sub>5</sub> by Coating on Carbon Materials for Lithium-Ion Batteries. <i>ChemElectroChem</i> , <b>2018</b> , 5, 3468-3477	4.3	5
619	Self-assembled Mn <sub>3</sub> O <sub>4</sub> /C nanospheres as high-performance anode materials for lithium ion batteries. <b>2018</b> , 395, 92-97		16
618	ZnO nanoparticles anchored on nitrogen and sulfur co-doped graphene sheets for lithium-ion batteries applications. <i>Ionics</i> , <b>2018</b> , 24, 3781-3791	2.7	7
617	Rapid and controllable synthesis of Fe <sub>3</sub> O <sub>4</sub> octahedral nanocrystals embedded-reduced graphene oxide using microwave irradiation for high performance lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 281, 78-87	6.7	61
616	Synthesis of dandelion-like V <sub>2</sub> O <sub>3</sub> /C composite with bicontinuous 3D hierarchical structures as an anode for high performance lithium ion batteries. <b>2018</b> , 44, 14128-14135		20
615	Three-Dimensional Carbon Nanotube/Transition-Metal Oxide Sponges as Composite Electrodes with Enhanced Electrochemical Performance. <b>2018</b> , 1, 2997-3005		13

614	Two-dimensional nanosheets of tungsten vanadate (WV2O7) obtained by assembling nanorods on graphene as a supercapacitor electrode. <b>2018</b> , 758, 99-107		9
613	MOF-Derived Vertically Aligned Mesoporous Co3O4 Nanowires for Ultrahigh Capacity Lithium-Ion Batteries Anodes. <b>2018</b> , 5, 1800222		42
612	BiMnO: a new mullite-type anode material for lithium-ion batteries. <b>2018</b> , 47, 7739-7746		5
611	Structural features, magnetic properties and photocatalytic activity of bismuth ferrite nanoparticles grafted on graphene nanosheets. <b>2018</b> , 42, 10712-10723		21
610	Ultra-thin CoO films grown on different oxide substrates: Size and support effects and chemical stability. <b>2018</b> , 758, 5-13		3
609	Synthesis of sandwich-like Co(CO3)0.5(OH)/graphene composite through confined growth and self-assemblies for highly reversible lithium storage. <b>2018</b> , 764, 709-717		10
608	All-fiber-based quasi-solid-state lithium-ion battery towards wearable electronic devices with outstanding flexibility and self-healing ability. <b>2018</b> , 51, 425-433		53
607	CoO/rGO composite prepared by a facile direct-flame approach for high-power supercapacitors. <b>2018</b> , 44, 16900-16907		31
606	LiFePO4 Anchored on Pristine Graphene for Ultrafast Lithium Battery. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 3497-3504	6.1	11
605	New In Situ Synthesis Method for Fe3O4/Flake Graphite Nanosheet Composite Structure and Its Application in Anode Materials of Lithium-Ion Batteries. <b>2018</b> , 2018, 1-7		1
604	Facile synthesis of metal-organic framework-derived Co3O4 with different morphologies coated graphene foam as integrated anodes for lithium-ion batteries. <b>2018</b> , 768, 1049-1057		69
603	Energy and environmental applications of graphene and its derivatives. <b>2018</b> , 105-129		3
602	Beneficial Effects of Graphene on Hydrogen Uptake and Release from Light Hydrogen Storage Materials. <b>2018</b> , 229-262		
601	Olivine LiFePO4 nanocrystals grown on nitrogen-doped graphene sheets as high-rate cathode for lithium-ion batteries. <b>2018</b> , 325, 12-16		17
600	MnO-encapsulated graphene cubes derived from homogeneous MnCO3-C cubes as high performance anode material for Li ion batteries. <i>Carbon</i> , <b>2018</b> , 139, 750-758	10.4	17
599	3D graphene modified sphere-like VPO4/C as a high-performance anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 284, 609-617	6.7	13
598	High-Yield Preparation of ZnO Nanoparticles on Exfoliated Graphite as Anode Material for Lithium Ion Batteries and the Effect of Particle Size as well as of Conductivity on the Electrochemical Performance of Such Composites. <b>2018</b> , 4, 24		1
597	Hierarchically porous cobalt-carbon nanosphere-in-microsphere composites with tunable properties for catalytic pollutant degradation and electrochemical energy storage. <b>2018</b> , 530, 556-566		15

596	Lithium sulfur battery exploiting material design and electrolyte chemistry: 3D graphene framework and diglyme solution. <b>2018</b> , 397, 102-112		27
595	Coralloidal carbon-encapsulated CoP nanoparticles generated on biomass carbon as a high-rate and stable electrode material for lithium-ion batteries. <b>2018</b> , 530, 579-585		41
594	Feasibility of Micellar Surface Charge Decoration of Graphene Oxide with Surfactants and Oils as Adsorbents for Natural and Synthetic Pigments (A Review). <b>2018</b> , 34, 1198-1212		
593	Performance studies of Ag, Ag-graphite, and Ag-graphene coatings on Cu substrate for high-voltage isolation switch. <b>2018</b> , 69, 1847-1853		5
592	CoO nanorod arrays on carbon nanotube foams fabricated by reducing carbon dioxide as high-performance electrode materials for Li-ion batteries. <b>2018</b> , 22, 3235-3243		4
591	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. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 17947-17958	13	25
590	Structural, optical, and photocatalytic investigation of nickel oxide@graphene oxide nanocomposite thin films by RF magnetron sputtering. <b>2018</b> , 53, 15034-15050		22
589	Fe <sub>3</sub> O <sub>4</sub> nanoparticle/graphene aerogel composite with enhanced lithium storage performance. <i>Applied Surface Science</i> , <b>2018</b> , 458, 1035-1042	6.7	25
588	Amine-assisted synthesis of FeS@N-C porous nanowires for highly reversible lithium storage. <b>2018</b> , 11, 6206-6216		14
587	Porous NiCoMn ternary metal oxide/graphene nanocomposites for high performance hybrid energy storage devices. <i>Electrochimica Acta</i> , <b>2018</b> , 279, 44-56	6.7	31
586	Designed synthesis of ultrafine NiO nanocrystals bonded on a three dimensional graphene framework for high-capacity lithium-ion batteries. <b>2018</b> , 42, 9901-9910		16
585	One-Step Fast-Synthesized Foamlike Amorphous Co(OH) Flexible Film on Ti Foil by Plasma-Assisted Electrolytic Deposition as a Binder-Free Anode of a High-Capacity Lithium-Ion Battery. <b>2018</b> , 10, 16943-16946		24
584	Analysis of oxidation degree of graphite oxide and chemical structure of corresponding reduced graphite oxide by selecting different-sized original graphite.. <b>2018</b> , 8, 17209-17217		47
583	Co <sub>3</sub> O <sub>4</sub> hollow nanospheres doped with ZnCo <sub>2</sub> O <sub>4</sub> via thermal vapor mechanism for fast lithium storage. <b>2018</b> , 14, 324-334		19
582	Reduced graphene oxide/metal oxide nanoparticles composite membranes for highly efficient molecular separation. <b>2018</b> , 34, 1481-1486		35
581	High-performance double ion-buffering reservoirs of asymmetric supercapacitors based on flower-like CoO-G>N-PEGm microspheres and 3D rGO-CNT>N-PEGm aerogels. <b>2018</b> , 10, 17293-17303		17
580	Complete hollow ZnFe <sub>2</sub> O <sub>4</sub> nanospheres with huge internal space synthesized by a simple solvothermal method as anode for lithium ion batteries. <i>Applied Surface Science</i> , <b>2018</b> , 462, 955-962	6.7	24
579	Carbon Encapsulated Hollow CoO Composites Derived from Reduced Graphene Oxide Wrapped Metal-Organic Frameworks with Enhanced Lithium Storage and Water Oxidation Properties. <b>2018</b> , 57, 10649-10655		25

578	rGO Functionalized with a Highly Electronegative Keplerate-Type Polyoxometalate for High-Energy-Density Aqueous Asymmetric Supercapacitors. <b>2018</b> , 13, 3304-3313		26
577	V2O5 nanowires-graphene composite as an outstanding electrode material for high electrochemical performance and long-cycle-life supercapacitor. <b>2018</b> , 108, 73-82		30
576	Recent progress in magnetic nanoparticles: synthesis, properties, and applications. <b>2018</b> , 29, 452001		30
575	1D ultrafine SnO nanorods anchored on 3D graphene aerogels with hierarchical porous structures for high-performance lithium/sodium storage. <b>2018</b> , 532, 352-362		33
574	Coaxial-nanostructured MnFeO nanoparticles on polydopamine-coated MWCNT for anode materials in rechargeable batteries. <b>2018</b> , 10, 18949-18960		20
573	Mechanism and activity of CO oxidation on (001) and (110) surfaces of spinel Co3O4, NiCo2O4 and NiFe2O4: A DFT + U study. <b>2018</b> , 677, 278-283		12
572	Coprecipitation Reaction System Synthesis and Lithium-Ion Capacitor Energy Storage Application of the Porous Structural Bimetallic Sulfide CoMoS Nanoparticles. <b>2018</b> , 3, 8803-8812		14
571	Composite Graphene/Semiconductor Nano-Structures for Energy Storage. <b>2018</b> , 295-352		
570	Biochar modification significantly promotes the activity of Co3O4 towards heterogeneous activation of peroxymonosulfate. <i>Chemical Engineering Journal</i> , <b>2018</b> , 354, 856-865	14.7	133
569	Fabrication of Hollow Co3O4 Nanospheres and Their Nanocomposites of CNT and rGO as High-Performance Anodes for Lithium-Ion Batteries. <b>2018</b> , 3, 5502-5511		6
568	Electrochemical reconstruction induced high electrochemical performance of Co3O4/reduced graphene oxide for lithium ion batteries. <b>2018</b> , 764, 80-87		20
567	Adsorption and diffusion of lithium on heteroatom-doped monolayer molybdenum disulfide. <i>Applied Surface Science</i> , <b>2018</b> , 455, 911-918	6.7	21
566	Hetero-nanostructured materials for high-power lithium ion batteries. <b>2018</b> , 529, 505-519		15
565	Biomedical applications of carbon nanomaterials: Drug and gene delivery potentials. <b>2018</b> , 234, 298-319		126
564	Cationic hydrogel and graphene oxide based cationic hydrogel with embedded palladium nanoparticles in the aerobic oxidation of olefins. <b>2019</b> , 26, 433-441		7
563	Metal oxide/graphene composite anode materials for sodium-ion batteries. <b>2019</b> , 16, 434-454		109
562	One-pot hydrothermal synthesis of reduced graphene oxide/zinc ferrite nanohybrids and its catalytic activity on the thermal decomposition of ammonium perchlorate. <b>2019</b> , 23, 133-140		34
561	A novel and green synthesis of mixed phase CoO@Co3O4@C anode material for lithium ion batteries. <i>Ionics</i> , <b>2019</b> , 25, 447-455	2.7	15

560	Metal-doped graphene nanocomposites and their application in energy storage. <b>2019</b> , 109-120		
559	Energy-saving electrolytic MnO generation: non-noble metal electrocatalyst gas diffusion electrode as cathode in acid solution.. <b>2019</b> , 9, 24816-24821		
558	Hydrothermal synthesis of hierarchical CoMoO <sub>4</sub> microspheres and their lithium storage properties as anode for lithium ion batteries. <b>2019</b> , 20, 100578		9
557	Spatially-controlled porous nanoflake arrays derived from MOFs: An efficiently long-life oxygen electrode. <b>2019</b> , 12, 2528-2534		10
556	Carbon nanotubes, graphene, porous carbon, and hybrid carbon-based materials: synthesis, properties, and functionalization for efficient energy storage. <b>2019</b> , 1-24		4
555	Enhanced catalytic performance of CoO <sub>x</sub> -CeO <sub>2</sub> for synergetic degradation of toluene in multistage sliding plasma system through response surface methodology (RSM). <b>2019</b> , 259, 118061		80
554	CoO/CoFe <sub>2</sub> O <sub>4</sub> core/shell nanoparticles assembled in carbon sheets as anode materials for lithium ion battery. <b>2019</b> , 808, 151691		19
553	MOF-derived uniform Ni nanoparticles encapsulated in carbon nanotubes grafted on rGO nanosheets as bifunctional materials for lithium-ion batteries and hydrogen evolution reaction. <b>2019</b> , 11, 15112-15119		25
552	Cooperation of Fe <sub>2</sub> O <sub>3</sub> @C and Co <sub>3</sub> O <sub>4</sub> /C subunits enhances the cyclic stability of Fe <sub>2</sub> O <sub>3</sub> @C/Co <sub>3</sub> O <sub>4</sub> electrodes for lithium-ion batteries. <b>2019</b> , 43, 6045-6055		9
551	Recent progress in the synthesis of graphene and derived materials for next generation electrodes of high performance lithium ion batteries. <b>2019</b> , 75, 100786		247
550	Electricity generating & high efficiency advanced oxidation process including peroxymonosulfate activation in photocatalytic fuel cell. <i>Chemical Engineering Journal</i> , <b>2019</b> , 378, 122148	14.7	26
549	Effect of synthesis route on the electrochemical performance of CoMnFeO <sub>4</sub> nanoparticles as a novel supercapacitor electrode material. <i>Applied Surface Science</i> , <b>2019</b> , 494, 440-451	6.7	24
548	Electrical and electrochemical properties of carbon nanotube-based free standing LTO electrodes for current collector-free Li-ion batteries. <b>2019</b> , 19, 1150-1155		9
547	Three-dimensional hierarchical porous MnCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> network towards highly reversible lithium storage by unique structure. <i>Chemical Engineering Journal</i> , <b>2019</b> , 378, 122207	14.7	20
546	Engineering Unique Ball-In-Ball Structured (NiCo)S@C Nanospheres for Advanced Sodium Storage. <b>2019</b> , 11, 27805-27812		16
545	Nanoarchitected Co <sub>3</sub> O <sub>4</sub> /reduced graphene oxide as anode material for lithium-ion batteries with enhanced cycling stability. <i>Ionics</i> , <b>2019</b> , 25, 5779-5786	2.7	11
544	Three-dimensional porous CoO-CoO@GO composite combined with N-doped carbon for superior lithium storage. <b>2019</b> , 30, 425404		7
543	Function-regeneration of non-porous hydrolyzed-MOF-derived materials. <b>2019</b> , 12, 1921-1930		9

542	Rational design of NiCo <sub>2</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> composite as practical anode of lithium-ion batteries with outstanding electrochemical performance from multiple aspects. <b>2019</b> , 805, 522-530		17
541	Pulsed electrophoretic deposition of nanographitic flake-nanostructured Co <sub>3</sub> O <sub>4</sub> layers for efficient lithium-ion-battery anode. <b>2019</b> , 805, 924-933		26
540	Mesoporous aluminium manganese cobalt oxide with pentahedron structures for energy storage devices. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 18417-18427	13	36
539	Synthesis of carbon coated Fe <sub>3</sub> O <sub>4</sub> grown on graphene as effective sulfur-host materials for advanced lithium/sulfur battery. <b>2019</b> , 437, 226901		28
538	A facile one pot synthesis of MoO <sub>3</sub> on reduced graphene oxide (RGO) and electrochemical studies for energy applications. <b>2019</b> , 6, 094013		3
537	Facile Preparation of High-Content N-Doped CNT Microspheres for High-Performance Lithium Storage. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1904819	15.6	51
536	Electrochemical Cycling-Induced Amorphization of Cobalt(II,III) Oxide for Stable High Surface Area Oxygen Evolution Electrocatalysts. <i>ChemElectroChem</i> , <b>2019</b> , 6, 4031-4039	4.3	17
535	Facile synthesis of macroporous SnS microspheres as a potential anode material for enhanced sodium ion batteries. <b>2019</b> , 80, 130-135		7
534	Isostructural Ni Metal-Organic Frameworks (MOFs) for Efficient Electrocatalysis of Oxygen Evolution Reaction and for Gas Sorption Properties. <b>2019</b> , 25, 11141-11146		12
533	Synthesis, Properties, and Applications of Graphene. <b>2019</b> , 25-90		7
532	Electrochemical Sensing Platform Based on Graphene-Metal/Metal Oxide Hybrids for Detection of Metal Ions Contaminants. <b>2019</b> , 301-327		2
531	Conversion pseudocapacitance-contributing and robust hetero-nanostructural perovskite KCo <sub>0.54</sub> Mn <sub>0.46</sub> F <sub>3</sub> nanocrystals anchored on graphene nanosheet anodes for advanced lithium-ion capacitors, batteries and their hybrids. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 18257-18266	13	28
530	Improving the electrochemical performance of Si-based anodes by co-compositing LiF and double carbon layer composed of graphite and three-dimensional PM. <b>2019</b> , 6, 1150g4		
529	Ultrastable CoxSiyOz Nanowires by Glancing Angle Deposition with Magnetron Sputtering as Novel Electrocatalyst for Water Oxidation. <b>2019</b> , 11, 6111-6115		8
528	Nanostructured Anode Materials for Batteries (Lithium Ion, Ni-MH, Lead-Acid, and Thermal Batteries). <b>2019</b> , 145-229		1
527	Cost-effective Co <sub>3</sub> O <sub>4</sub> nanospheres on nitrogen-doped graphene used as highly efficient catalyst for oxygen reduction reaction. <b>2019</b> , 44, 30348-30356		7
526	Cycling-Induced Capacity Increase of Graphene Aerogel/ZnO Nanomembrane Composite Anode Fabricated by Atomic Layer Deposition. <b>2019</b> , 14, 69		7
525	Seasonal predictions initialised by assimilating sea surface temperature observations with the EnKF. <b>2019</b> , 53, 5777-5797		21

- 524 Controllable synthesis and bi-functional electrocatalytic performance towards oxygen electrocatalytic reactions of Co<sub>3</sub>O<sub>4</sub> nanoflakes/nitrogen-doped modified CMK-3 nanocomposite. **2019**, 108, 107524 8
- 523 Graphene and Graphene-Based Hybrid Composites for Advanced Rechargeable Battery Electrodes. **2019**, 147-196
- 522 Fast lithiation of NiO investigated by in situ transmission electron microscopy. **2019**, 115, 143902 5
- 521 Graphene/Metal Oxide Composite as Anode Material in Li-Ion Batteries. **2019**, 323-352
- 520 CrPO<sub>4</sub>/C composite as a novel anode material for lithium-ion batteries. **2019**, 441, 227180 4
- 519 Rational Design of Fe<sub>2</sub>O<sub>3</sub> Nanocube-Based Anodes for High-Performance Li-Ion Batteries. **2019**, 4, 11103-11109
- 518 Facile mass production of self-supported two-dimensional transition metal oxides for catalytic applications. **2019**, 55, 11406-11409 7
- 517 Layered cobalt hydroxide as an advanced lithium-ion anode material with high capacity and rate capability. *Journal of Materials Chemistry A*, **2019**, 7, 21264-21269 13 3
- 516 A Restudy of the Impact of Climate on Brazil Based on National Vulnerability Model. **2019**, 252, 042114
- 515 Graphene Incorporated Nanocomposite Anode for Low Temperature SOFCs. *Journal of Electronic Materials*, **2019**, 48, 7507-7514 1.9 3
- 514 Nitrogen-Doped Porous CoO/Graphene Nanocomposite for Advanced Lithium-Ion Batteries. *Nanomaterials*, **2019**, 9, 5-4 15
- 513 Cladding transition metal oxide particles with graphene oxide sheets: an efficient protocol to improve their structural stability and lithium ion diffusion rate. **2019**, 23, 2969-2977 6
- 512 Synthesis and characterization of Co and Titania nanoparticle -intercalated rGO as a high capacitance electrode for CDI. **2019**, 7, 103441 16
- 511 A review on exfoliation, characterization, environmental and energy applications of graphene and graphene-based composites. **2019**, 273, 102036 41
- 510 Atomic Pt Promoted N-Doped Carbon as Novel Negative Electrode for Li-Ion Batteries. **2019**, 11, 37559-37566 11
- 509 A multidimensional and hierarchical carbon-confined cobalt phosphide nanocomposite as an advanced anode for lithium and sodium storage. **2019**, 11, 968-985 31
- 508 Multilevel Coupled Hybrids Made of Porous Cobalt Oxides and Graphene for High-Performance Lithium Storage. **2019**, 25, 5527-5533 5
- 507 Three-dimensional Ni/MnO<sub>2</sub> nanocylinder array with high capacitance for supercapacitors. **2019**, 12, 1411-1416 7

506	One-Step Photochemical Synthesis of Transition Metal-Graphene Hybrid for Electrocatalysis. <b>2019</b> , 7, 4112-4118		6
505	Graphene-dye hybrid optical sensors. <b>2019</b> , 17, 194-217		17
504	Biosynthesis of silver nanoparticles by cell-free extracts from some bacteria species for dye removal from wastewater. <b>2019</b> , 41, 379-389		21
503	Ultrafast Li-ion migration in holey-graphene-based composites constructed by a generalized ex situ method towards high capacity energy storage. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4788-4796	13	27
502	N-doped carbon-coated Tin sulfide/graphene nanocomposite for enhanced lithium storage. <i>Electrochimica Acta</i> , <b>2019</b> , 300, 131-137	6.7	24
501	Novel ternary transition metal oxide solid solution: mesoporous Ni-Mn-Co-O nanowire arrays as an integrated anode for high-power lithium-ion batteries. <b>2019</b> , 48, 2741-2749		13
500	Carbon-Nanomaterial-Based Flexible Batteries for Wearable Electronics. <b>2019</b> , 31, e1800716		144
499	Oxidizing solid Co into hollow Co <sub>3</sub> O <sub>4</sub> within electrospun (carbon) nanofibers towards enhanced lithium storage performance. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3024-3030	13	72
498	Nanoclay-modulated oxygen vacancies of metal oxide. <b>2019</b> , 2,		52
497	Electronic Applications of Functionalized Graphene Nanocomposites. <b>2019</b> , 245-263		10
496	MXene-supported CoO quantum dots for superior lithium storage and oxygen evolution activities. <b>2019</b> , 55, 1237-1240		69
495	Hollow MoS <sub>2</sub> /rGO composites as high-performance anode materials for lithium-ion batteries. <i>Ionic</i> , <b>2019</b> , 25, 4659-4666	2.7	8
494	Hierarchically porous structured carbon derived from peanut shell as an enhanced high rate anode for lithium ion batteries. <i>Applied Surface Science</i> , <b>2019</b> , 492, 464-472	6.7	17
493	Hierarchical sandwiched Fe <sub>3</sub> O <sub>4</sub> @C/Graphene composite as anode material for lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 847, 113240	4.1	6
492	Ion exchange: an advanced synthetic method for complex nanoparticles. <b>2019</b> , 6, 17		36
491	Nitrogen-Doped Ordered Mesoporous Carbons Supported Co <sub>3</sub> O <sub>4</sub> Composite as a Bifunctional Oxygen Electrode Catalyst. <b>2019</b> , 2, 229-240		6
490	Oxygen Doping Enhanced Lithiation in MgCl <sub>2</sub> for Battery Applications. <b>2019</b> , 256, 1900166		2
489	High-rate capability and long-term cycling of self-assembled hierarchical Fe <sub>3</sub> O <sub>4</sub> /carbon hollow spheres through interfacial control. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16720-16727	13	16

488	Evolution of CoO Nanocubes through Stepwise Oriented Attachment. <b>2019</b> , 35, 8025-8030		9
487	Surface-engineered cobalt oxide nanowires as multifunctional electrocatalysts for efficient Zn-Air batteries-driven overall water splitting. <b>2019</b> , 23, 1-7		26
486	Synthesis and Electrochemical Performance of Cobalt-Doped KMnF <sub>3</sub> as Cathode Materials for Potassium Ion Batteries. <b>2019</b> , 166, A1819-A1826		1
485	Fractal granular BiVO <sub>4</sub> microspheres as high performance anode material for Li-ion battery. <b>2019</b> , 252, 235-238		7
484	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. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15766-15773	13	40
483	Earth-abundant transition metal and metal oxide nanomaterials: Synthesis and electrochemical applications. <b>2019</b> , 106, 100574		93
482	Mono-Active Bimetallic Oxide Co <sub>2</sub> AlO <sub>4</sub> with Yolk-Shell Structure as a Superior Lithium-Storage Material. <i>ChemElectroChem</i> , <b>2019</b> , 6, 3298-3302	4-3	4
481	Three-dimensional nanocomposites with CoO nanosheets parallelly embedded in carbon network walls for enhanced lithium-ion storage. <b>2019</b> , 48, 8375-8383		4
480	Iron-Doping-Induced Phase Transformation in Dual-Carbon-Confined Cobalt Diselenide Enabling Superior Lithium Storage. <i>ACS Nano</i> , <b>2019</b> , 13, 6113-6124	16.7	73
479	Carbon-Dots-Derived 3D Highly Nitrogen-Doped Porous Carbon Framework for High-Performance Lithium Ion Storage. <b>2019</b> , 7, 9848-9856		25
478	Phase evolution of conversion-type electrode for lithium ion batteries. <b>2019</b> , 10, 2224		59
477	Three-dimensional hierarchical nanocomposites of NiSnO <sub>3</sub> /graphene encapsulated in carbon matrix as long-life anode for lithium-ion batteries. <b>2019</b> , 793, 492-498		5
476	Co <sub>3</sub> O <sub>4</sub> /Fe <sub>2</sub> O <sub>3</sub> catalyzed oxidative degradation of gaseous benzene: Preparation, characterization and its catalytic properties. <b>2019</b> , 93, 79-86		14
475	Palladium Nanoparticle-Decorated Porous Carbon Nanoflakes as High-Activity Catalyst for Electrooxidation of Alcohol. <b>2019</b> , 19, 6352-6357		2
474	Enhanced reversible capability of a macroporous ZnMn <sub>2</sub> O <sub>4</sub> /C microsphere anode with a water-soluble binder for long-life and high-rate lithium-ion storage. <b>2019</b> , 6, 1535-1545		21
473	Ordered 1D and 3D mesoporous Co <sub>3</sub> O <sub>4</sub> structures: Effect of morphology on Li-ion storage and high rate performance. <i>Electrochimica Acta</i> , <b>2019</b> , 310, 184-194	6.7	9
472	An insight into the pyrolysis process of metal-organic framework templates/precursors to construct metal oxide anode materials for lithium-ion batteries. <b>2019</b> , 3, 1398-1405		9
471	Controllable synthesis of 3D nitrogen-doped carbon networks supported Sn P nanoparticles as high performance anode for lithium ion batteries. <i>Applied Surface Science</i> , <b>2019</b> , 484, 899-905	6.7	10

470	Graphene nanomesh and polymeric material at cutting edge. <b>2019</b> , 58, 803-820	2
469	Graphene/Co <sub>3</sub> O <sub>4</sub> composites in application of electrochemical energy conversion and storage. <b>2019</b> , 16, 100107	25
468	Three-dimensional plasmonic photoanode of Co <sub>3</sub> O <sub>4</sub> nanosheets coated onto TiO <sub>2</sub> nanorod arrays for visible-light-driven water splitting. <b>2019</b> , 44, 14561-14570	19
467	Superior Li-ion storage of VS nanowires anchored on reduced graphene. <b>2019</b> , 11, 9556-9562	21
466	Synthesis of Hard Carbon-TiN/TiC Composites by Reacting Cellulose with TiCl Followed by Carbothermal Nitridation/Reduction. <b>2019</b> , 58, 5776-5786	7
465	Visualized Pulverization via Ex Situ Analyses: Nickel Sulfide Anode Caged in a Hierarchical Carbon. <b>2019</b> , 166, A838-A847	8
464	High capacity conversion anodes in Li-ion batteries: A review. <b>2019</b> , 44, 10852-10905	62
463	Synthesis of ultrafine Co <sub>3</sub> O <sub>4</sub> nanoparticles encapsulated in nitrogen-doped porous carbon matrix as anodes for stable and long-life lithium ion battery. <b>2019</b> , 790, 955-962	36
462	A facile strategy for the synthesis of three-dimensional heterostructure self-assembled MoSe nanosheets and their application as an anode for high-energy lithium-ion hybrid capacitors. <b>2019</b> , 11, 7263-7276	42
461	T-Nb <sub>2</sub> O <sub>5</sub> embedded carbon nanosheets with superior reversibility and rate capability as an anode for high energy Li-ion capacitors. <b>2019</b> , 3, 1055-1065	17
460	Cobalt oxide-based nanoarchitectures for electrochemical energy applications. <b>2019</b> , 103, 596-677	97
459	Eco-Friendly Electrochemical Biosensor based on Sodium Carboxymethyl Cellulose/Reduced Graphene Oxide Composite. <b>2019</b> , 27, 327-333	10
458	Prospects and challenges of graphene based fuel cells. <b>2019</b> , 39, 217-234	35
457	Superior lithium-storage properties derived from a high pseudocapacitance behavior for a peony-like holey Co <sub>3</sub> O <sub>4</sub> anode. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 8327-8334	13 29
456	Effects of Graphene on the Electrochemical Properties of the Electrodes of Lithium Ion Batteries. <b>2019</b> , 209-259	
455	Rod-like porous CoMoO <sub>4</sub> @C as excellent anode for high performance lithium ion battery. <b>2019</b> , 790, 891-899	24
454	Co <sub>3</sub> O <sub>4</sub> thin films prepared by hollow cathode discharge. <b>2019</b> , 366, 303-310	10
453	Nanostructured NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @C particles embedded into nitrogen-doped graphene sheets as novel anode materials for sodium-ion batteries. <b>2019</b> , 335, 47-52	2

452	Novel spinel nanocomposites of Ni <sub>x</sub> Co <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles with N-doped graphene for lithium ion batteries. <i>Applied Surface Science</i> , <b>2019</b> , 481, 200-208	6.7	11
451	Optimal Condition of Solid-Electrolyte-Interphase Prepared by Controlled Prelithiation for High Performance Li-Ion Batteries. <b>2019</b> , 166, A787-A792		8
450	Nanosheets-in-nanotube Co <sub>3</sub> O <sub>4</sub> -carbon array design enables stable Li-ion storage. <i>Carbon</i> , <b>2019</b> , 147, 501-509	10.4	11
449	Pitch-derived carbon coated SnO <sub>2</sub> @CoO yolk-shell microspheres with excellent long-term cycling and rate performances as anode materials for lithium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2019</b> , 369, 726-735	14.7	33
448	TEM Studies on Electrode Materials for Secondary Ion Batteries. <b>2019</b> , 1-27		1
447	N-doped Carbon Coated CoO Nanowire Arrays Derived from Zeolitic Imidazolate Framework-67 as Binder-free Anodes for High-performance Lithium Storage. <b>2019</b> , 9, 5934		8
446	Inhibition of polysulfide diffusion in lithium-sulfur batteries: mechanism and improvement strategies. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12381-12413	13	96
445	In-situ constructing of hollow TiO <sub>2</sub> @rGO hybrid spheres as high-rate and long-life anode materials for lithium-ion batteries. <b>2019</b> , 45, 12476-12483		6
444	Hollow TiO <sub>2</sub> submicrospheres assembled by tiny nanocrystals as superior anode for lithium ion battery. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 23733-23738	13	12
443	Surfactant-assisted synthesis of ultrathin two-dimensional Co <sub>3</sub> O <sub>4</sub> nanosheets for applications in lithium-ion batteries and ultraviolet photodetector. <b>2019</b> , 274, 124-133		8
442	Using and recycling V <sub>2</sub> O <sub>5</sub> as high performance anode materials for sustainable lithium ion battery. <b>2019</b> , 424, 158-164		29
441	. <b>2019</b> ,		2
440	The Role of the GO Synthesis Process in Regulation of Non-linear Optic Properties. <b>2019</b> , 71, 1634-1642		2
439	Bioelectronics and Interfaces Using Monolayer Graphene. <i>ChemElectroChem</i> , <b>2019</b> , 6, 31-59	4.3	32
438	Functionalized Graphene-Based Nanocomposites for Energy Applications. <b>2019</b> , 219-243		13
437	Nanostructured Materials for Li-Ion Battery Applications. <b>2019</b> , 105-172		1
436	Ionic liquid derived Co <sub>3</sub> O <sub>4</sub> /Nitrogen doped carbon composite as anode of lithium ion batteries with enhanced rate performance and cycle stability. <b>2019</b> , 30, 6148-6156		8
435	Boosting the Oxygen Evolution Reaction Activity of NiFeO Nanosheets by Phosphate Ion Functionalization. <b>2019</b> , 4, 3493-3499		38

434	Preparation Of ZnO/Co <sub>3</sub> O <sub>4</sub> Hollow Microsphere By Pollen-biological Template And Its Application In Photocatalytic Degradation. <b>2019</b> , 4, 12445-12454		10
433	Energy storage: The future enabled by nanomaterials. <b>2019</b> , 366,		564
432	Development of a potential LPG sensor based on a PANI/Co <sub>3</sub> O <sub>4</sub> nanocomposite that functions at room temperature. <b>2019</b> , 43, 17340-17350		4
431	Fe <sub>3</sub> O <sub>4</sub> nanorods in N-doped carbon matrix with pseudo-capacitive behaviors as an excellent anode for subzero lithium-ion batteries. <b>2019</b> , 772, 557-564		26
430	Electrodeposited nickel aluminum-layered double hydroxide on Co <sub>3</sub> O <sub>4</sub> as binder-free electrode for supercapacitor. <b>2019</b> , 30, 2419-2430		11
429	Silicon @ nitrogen-doped porous carbon fiber composite anodes synthesized by an in-situ reaction collection strategy for high-performance lithium-ion batteries. <i>Applied Surface Science</i> , <b>2019</b> , 475, 211-218	6.7	24
428	In-situ synthesis of Co <sub>1-x</sub> S-rGO composite for high-rate lithium-ion storage. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 833, 380-386	4.1	9
427	A facile synthesis of 3D flower-like NiCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> composites as an anode material for Li-ion batteries. <i>Applied Surface Science</i> , <b>2019</b> , 473, 266-274	6.7	40
426	Synthesis of 3D dahlia-like Co <sub>3</sub> O <sub>4</sub> and its application in superhydrophobic and oil-water separation. <i>Applied Surface Science</i> , <b>2019</b> , 471, 289-299	6.7	27
425	Zeolitic imidazolate frameworks as novel precursors for microwave synthesis of carbon nanotubes. <b>2019</b> , 781, 166-173		9
424	Emergence of graphene as a promising anode material for rechargeable batteries: a review. <b>2019</b> , 11, 225-243		55
423	Solvothermal synthesis of Mn <sub>3</sub> O <sub>4</sub> as an anode material for lithium ion batteries. <b>2019</b> , 42, 156-164		
422	Graphene aerogel encapsulated Fe-Co oxide nanocubes derived from Prussian blue analogue as integrated anode with enhanced Li-ion storage properties. <i>Applied Surface Science</i> , <b>2019</b> , 471, 745-752	6.7	79
421	Laser-derived graphene: A three-dimensional printed graphene electrode and its emerging applications. <b>2019</b> , 24, 81-102		86
420	LiVPO <sub>4</sub> F@C particles anchored on boron-doped graphene sheets with outstanding Li <sup>+</sup> storage performance for high-voltage Li-ion battery. <b>2019</b> , 331, 6-11		12
419	Sulfur-doped copper-cobalt bimetallic oxides with abundant Cu(I): A novel peroxymonosulfate activator for chloramphenicol degradation. <i>Chemical Engineering Journal</i> , <b>2019</b> , 361, 1304-1316	14.7	67
418	Influence of Sulfur-Modified Vanadium Pentoxide by Solid Phase Sintering Method on Electrochemical Performance of Cathode Materials for Lithium-Ion Batteries. <b>2019</b> , 7, 1800808		5
417	Nanoporphyrin/CdTe quantum dots: A robust tool for effective differentiation among DNA structures. <b>2019</b> , 281, 623-633		7

416	Mesoporous magnetite nanoparticle-decorated graphene oxide nanosheets for efficient electrochemical detection of hydrazine. <b>2019</b> , 54, 4073-4088		27
415	Carbon sphere-templated synthesis of porous yolk-shell ZnCo <sub>2</sub> O <sub>4</sub> spheres for high-performance lithium storage. <b>2019</b> , 780, 65-71		13
414	A Mn Fe based Prussian blue Analogue@Reduced graphene oxide composite as high capacity and superior rate capability anode for lithium-ion batteries. <i>Carbon</i> , <b>2019</b> , 143, 706-713	10.4	25
413	Conformal carbon coating on WS nanotubes for excellent electrochemical performance of lithium-ion batteries. <b>2019</b> , 30, 035401		2
412	Oxide nanoparticle hybrid materials and applications. <b>2019</b> , 235-281		
411	Integrated Co <sub>3</sub> O <sub>4</sub> /carbon fiber paper for high-performance anode of dual-ion battery. <b>2019</b> , 37, 7-12		29
410	Carbon coated porous Co <sub>3</sub> O <sub>4</sub> nanosheets derived from cotton fibers as anodes for superior lithium ion batteries. <i>Applied Surface Science</i> , <b>2019</b> , 475, 446-452	6.7	24
409	Synthesis of porous MoV <sub>2</sub> O <sub>8</sub> nanosheets as anode material for superior lithium storage. <b>2019</b> , 22, 128-137		25
408	Preparation of ternary Pd/CeO <sub>2</sub> -nitrogen doped graphene composites as recyclable catalysts for solvent-free aerobic oxidation of benzyl alcohol. <i>Applied Surface Science</i> , <b>2019</b> , 471, 852-861	6.7	44
407	Controlled synthesis of porous Co-Mn nanosheet composite with high performance for lithium-ion battery. <b>2019</b> , 784, 29-40		5
406	In-situ porous nano-Fe <sub>3</sub> O <sub>4</sub> /C composites derived from citrate precursor as anode materials for lithium-ion batteries. <b>2019</b> , 225, 379-383		8
405	CoFe <sub>2</sub> O <sub>4</sub> nanoparticles directly grown on carbon nanotube with coralline structure as anodes for lithium ion battery. <b>2019</b> , 30, 4174-4183		8
404	Super-thin LiV <sub>3</sub> O <sub>8</sub> nanosheets/graphene sandwich-like nanostructures with ultrahigh lithium ion storage properties. <b>2019</b> , 45, 2968-2976		10
403	Synthesis of Ni(OH) <sub>2</sub> /graphene composite with enhanced electrochemical property by stirring solvothermal method. <b>2019</b> , 775, 1316-1323		13
402	Hydrothermal assembly of MnO-graphene core-shell nanowires with superior anode performance. <i>Carbon</i> , <b>2019</b> , 142, 461-467	10.4	17
401	Preparation of ZnCo <sub>2</sub> O <sub>4</sub> @reduced graphene oxide nanocomposite for high-capacity Li-ion battery anodes. <b>2019</b> , 111, 34-42		11
400	Additive-Free Nb <sub>2</sub> O <sub>5</sub> ∥iO <sub>2</sub> Hybrid Anode towards Low-Cost and Safe Lithium-Ion Batteries: A Green Electrode Material Produced in an Environmentally Friendly Process. <b>2019</b> , 2, 160-167		4
399	Stress-relieved Si anode on a porous Cu current collector for high-performance lithium-ion batteries. <b>2019</b> , 223, 152-156		4

398	Superhydrophobic magnetic reduced graphene oxide-decorated foam for efficient and repeatable oil-water separation. <i>Applied Surface Science</i> , <b>2019</b> , 466, 937-945	6.7	58
397	Edge-Functionalized Graphene Nanoplatelets as Metal-Free Electrocatalysts for Dye-Sensitized Solar Cells. <b>2019</b> , 31, e1804440		29
396	Three-dimensional porous composite framework assembled with CuO microspheres as anode current collector for lithium-ion batteries. <b>2019</b> , 62, 70-79		5
395	Gram-Scale Production of Graphene Powder via a Quasi-physical Process and Its Application in Electrode Material for Lithium-Ion Battery. <b>2019</b> , 21, 1800891		4
394	ZnS Nanotubes/Carbon Cloth as a Reversible and High-Capacity Anode Material for Lithium-Ion Batteries. <i>ChemElectroChem</i> , <b>2019</b> , 6, 461-466	4.3	20
393	Synthesis of g-C <sub>3</sub> N <sub>4</sub> -based photocatalysts with recyclable feature for efficient 2,4-dichlorophenol degradation and mechanisms. <b>2019</b> , 243, 57-65		69
392	Facile fabrication of interconnected-mesoporous T-Nb <sub>2</sub> O <sub>5</sub> nanofibers as anodes for lithium-ion batteries. <i>Science China Materials</i> , <b>2019</b> , 62, 465-473	7.1	23
391	Biomorphic composites composed of octahedral Co <sub>3</sub> O <sub>4</sub> nanocrystals and mesoporous carbon microtubes templated from cotton for excellent supercapacitor electrodes. <i>Applied Surface Science</i> , <b>2019</b> , 465, 232-240	6.7	37
390	Mesoporous MnO/C composite synthesised from the precursor of Mn <sub>3</sub> (C <sub>6</sub> H <sub>5</sub> O <sub>7</sub> ) <sub>2</sub> and the application in Li-ion batteries. <b>2019</b> , 14, 57-61		2
389	Highly reversible ZnO@ZIF8-derived nitrogen-doped carbon in the presence of fluoroethylene carbonate for high-performance lithium-ion battery anode. <b>2019</b> , 773, 960-969		31
388	Highly efficient adsorption and removal of Chrysoidine Y from aqueous solution by magnetic graphene oxide nanocomposite. <b>2019</b> , 12, 3064-3074		18
387	Development of a novel graphene/Co <sub>3</sub> O <sub>4</sub> composite for hybrid capacitive deionization system. <b>2019</b> , 451, 102-110		94
386	A facile synthesis of anatase TiO <sub>2</sub> -Graphene nanocomposites using plasma and heat treatment. <i>Applied Surface Science</i> , <b>2019</b> , 474, 118-126	6.7	15
385	Scalable in situ condensation fabrication of amorphous SiOX@C microbeads derived from organic silane coupling agents for lithium-ion storage. <i>Ionics</i> , <b>2020</b> , 26, 649-660	2.7	1
384	Hollow CuO nanoparticles in carbon microspheres prepared from cellulose-cuprammonium solution as anode materials for Li-ion batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122614	14.7	26
383	Sb@SiO <sub>2</sub> /C nanocomposite as long-cycle stable anode material for lithium ion batteries. <b>2020</b> , 814, 152161		5
382	Going green with batteries and supercapacitor: Two dimensional materials and their nanocomposites based energy storage applications. <b>2020</b> , 58, 100254		46
381	Structural Reorganization-Based Nanomaterials as Anodes for Lithium-Ion Batteries: Design, Preparation, and Performance. <b>2020</b> , 16, e1902841		19

380	Synthesis of a high-temperature stable electrochemically exfoliated graphene. <i>Carbon</i> , <b>2020</b> , 157, 681-692.	14.4	34
379	Graphene oxide-driven transformation of NiS/NiS microbars towards NiS polyhedrons for supercapacitor. <b>2020</b> , 559, 115-123		40
378	In situ encapsulation of Co/Co <sub>3</sub> O <sub>4</sub> nanoparticles in nitrogen-doped hierarchically ordered porous carbon as high performance anode for lithium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 380, 122545	14.7	22
377	Novel SeS <sub>2</sub> doped Li <sub>2</sub> S-P <sub>2</sub> S <sub>5</sub> solid electrolyte with high ionic conductivity for all-solid-state lithium sulfur batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 380, 122419	14.7	20
376	Graphene-based composites for electrochemical energy storage. <b>2020</b> , 24, 22-51		214
375	Wearable Electronics Based on 2D Materials for Human Physiological Information Detection. <b>2020</b> , 16, e1901124		52
374	Porous N-doped carbon nanoflakes supported hybridized SnO/CoO nanocomposites as high-performance anode for lithium-ion batteries. <b>2020</b> , 560, 546-554		20
373	EDTA-Co(II) sodium complex derived Co(OH) <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> /Co nanoparticles embedded in nitrogen-enriched graphitic porous carbon as lithium-ion battery anode with superior cycling stability. <i>Applied Surface Science</i> , <b>2020</b> , 504, 144515	6.7	16
372	Efficient polysulfide blocker from conductive niobium nitride@graphene for Li-S batteries. <b>2020</b> , 45, 135-141		36
371	Short-range ordered graphitized-carbon nanotubes with large cavity as high-performance lithium-ion battery anodes. <i>Carbon</i> , <b>2020</b> , 158, 642-650	10.4	12
370	Universal construction of ultrafine metal oxides coupled in N-enriched 3D carbon nanofibers for high-performance lithium/sodium storage. <b>2020</b> , 67, 104222		32
369	Multi-functional RGO-supported Fe <sub>2</sub> O <sub>3</sub> nanocomposites for high-performance pseudocapacitors and visible light-driven photocatalytic applications. <i>Ionics</i> , <b>2020</b> , 26, 3491-3500	2.7	7
368	Bi-functional Mo and P co-doped ZnCo-LDH nanosheets as high performance electrocatalysts for boosting overall water splitting. <b>2020</b> , 22, 546-553		5
367	Nanoparticles: Synthesis, characteristics, and applications in analytical and other sciences. <b>2020</b> , 154, 104623		50
366	Highly concentrated carbonate electrolyte for Li-ion batteries with lithium metal and graphite anodes. <b>2020</b> , 450, 227657		18
365	MnFe <sub>2</sub> O <sub>4</sub> decorated reduced graphene oxide heterostructures: Nanophotocatalyst for methylene blue dye degradation. <b>2020</b> , 173, 109150		47
364	Morphology engineering of self-assembled porous zinc manganate hexagons for lithium ion storage. <i>Electrochimica Acta</i> , <b>2020</b> , 330, 135260	6.7	9
363	Transition Metal Oxide Anodes for Electrochemical Energy Storage in Lithium- and Sodium-Ion Batteries. <b>2020</b> , 10, 1902485		261

362	Recent Advances and Challenges of Two-Dimensional Materials for High-Energy and High-Power Lithium-Ion Capacitors. <b>2020</b> , 3, 10-29		26
361	Polyaniline decorated manganese oxide nanoflakes coated graphene oxide as a hybrid-supercapacitor for high performance energy storage application. <i>Ionics</i> , <b>2020</b> , 26, 2493-2500	2.7	6
360	Construction of the peanut-like Co <sub>3</sub> O <sub>4</sub> as anode materials for high-performance lithium-ion batteries. <i>Ionics</i> , <b>2020</b> , 26, 1261-1265	2.7	5
359	Continuous-Flow Synthesis of Carbon-Coated Silicon/Iron Silicide Secondary Particles for Li-Ion Batteries. <i>ACS Nano</i> , <b>2020</b> , 14, 698-707	16.7	31
358	Hierarchical N-Doped HMCN/CNT Hybrid Carbon Frameworks Assembling Cobalt Selenide Nanoparticles for Advanced Properties of Lithium/Sodium Storage. <b>2020</b> , 7, 1901699		11
357	Nanoscale Phenomena in Lithium-Ion Batteries. <b>2020</b> , 120, 6684-6737		67
356	Bio-mass derived ultrahigh-energy storage porous graphitic carbon for advanced anode material in lithium battery. <b>2020</b> , 242, 122543		8
355	Inkjet-Printing of Supercapacitors. <b>2020</b> , 5, 11322-11330		1
354	Space-Confined Synthesis of Yolk@Shell Structured Co <sub>3</sub> O <sub>4</sub> /Nitrogen-Doped Carbon Nanocomposites with Hollow Mesoporous Carbon Nanocages as Advanced Functional Anodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 11153-11163	6.1	12
353	Entangled reduced graphene oxide nanosheets as an insertion anode with large interlayer spacing for high rate Na-ion batteries. <b>2020</b> , 46, 27711-27716		8
352	CoO Quantum Dots Anchored on Reduced Graphene Oxide Aerogels for Lithium-Ion Storage. <b>2020</b> , 3, 10369-10379		5
351	Synergistic effects of hydrophilic nano-SiO <sub>2</sub> /graphene oxide @ copolymer nanocomposites in tanning leather. <b>2020</b> , 31, 3910-3920		4
350	In operando synchrotron X-ray studies of a novel spinel (Ni <sub>0.2</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> Fe <sub>0.2</sub> Ti <sub>0.2</sub> ) <sub>3</sub> O <sub>4</sub> high-entropy oxide for energy storage applications. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 21756-21770	13	26
349	Co O Hollow Nanoparticles Embedded in Mesoporous Walls of Carbon Nanoboxes for Efficient Lithium Storage. <b>2020</b> , 59, 19914-19918		79
348	Electrochemical performance of pre-lithiated ZnMoO <sub>4</sub> and r-GO@ZnMoO <sub>4</sub> composite anode for lithium-ion battery application. <b>2020</b> , 112, 60-66		5
347	Biotemplated Nanocomposites of Transition-Metal Oxides/Carbon Nanotubes with Highly Stable and Efficient Electrochemical Interfaces for High-Power Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 7804-7812	6.1	8
346	Novel MXene-based hierarchically porous composite as superior electrodes for Li-ion storage. <i>Applied Surface Science</i> , <b>2020</b> , 530, 147214	6.7	13
345	. <b>2020</b> ,		2

344	Ferrites for Batteries. <b>2020</b> , 147-172		2
343	Label-Free and Sensitive Determination of Cadmium Ions Using a Ti-Modified CoO-Based Electrochemical Aptasensor. <b>2020</b> , 10,		3
342	MoS <sub>2</sub> /graphene composites: Fabrication and electrochemical energy storage. <b>2020</b> , 33, 470-502		36
341	Hierarchical Assembly of Gold Nanoparticles on Graphene Nanoplatelets by Spontaneous Reduction: Implications for Smart Composites and Biosensing. <b>2020</b> , 3, 8753-8762		4
340	Co <sub>3</sub> O <sub>4</sub> Hollow Nanoparticles Embedded in Mesoporous Walls of Carbon Nanoboxes for Efficient Lithium Storage. <b>2020</b> , 132, 20086-20090		13
339	In situ deposition of pitaya-like Fe <sub>3</sub> O <sub>4</sub> @C magnetic microspheres on reduced graphene oxide nanosheets for electromagnetic wave absorber. <b>2020</b> , 199, 108261		85
338	Synthesis and magnetic properties of stable cobalt nanoparticles decorated reduced graphene oxide sheets in the aqueous medium. <b>2020</b> , 31, 15108-15117		1
337	Facile and green template-free synthesis of morphology-controllable Co <sub>3</sub> O <sub>4</sub> catalysts for CO oxidation. <b>2020</b> , 756, 137817		2
336	Chemically Prelithiated Graphene for Anodes of Li-Ion Batteries. <b>2020</b> , 34, 13048-13055		5
335	CoO Nanosheets as Battery-Type Electrode for High-Energy Li-Ion Capacitors: A Sustained Li-Storage Conversion Pathway. <i>ACS Nano</i> , <b>2020</b> , 14, 10648-10654	16.7	29
334	The Effect of Charge Behavior on Lithium Battery SOH. <b>2020</b> ,		2
333	Ultrafast Li-ion migration in eggshell-inspired 2D@2D dual porous construction towards high rate energy storage. <i>Carbon</i> , <b>2020</b> , 170, 66-74	10.4	5
332	Electrochemical performance of Mn <sub>3</sub> O <sub>4</sub> nanorods by N-doped reduced graphene oxide using ultrasonic spray pyrolysis for lithium storage. <b>2020</b> , 44, 11171-11184		5
331	Aerogels Based on Reduced Graphene Oxide/Cellulose Composites: Preparation and Vapour Sensing Abilities. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	5
330	Design, characterization, and application of elemental 2D materials for electrochemical energy storage, sensing, and catalysis. <b>2020</b> , 1, 2562-2591		6
329	Tuning the Magnetic Moment of Small Late 3d-Transition-Metal Oxide Clusters by Selectively Mixing the Transition-Metal Constituents. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	
328	Nanoparticle-Based Electrodes with High Charge Transfer Efficiency through Ligand Exchange Layer-by-Layer Assembly. <b>2020</b> , 32, e2001924		8
327	CoMoO <sub>4</sub> -N-doped carbon hybrid nanoparticles loaded on a petroleum asphalt-based porous carbon for lithium storage. <b>2020</b> , 35, 358-370		13

326	Synthesis, Characterization, Electrochemistry, and In Situ X-ray Diffraction Investigation of Ni <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> as a Negative Electrode Material for Lithium-Ion Batteries. <i>ChemElectroChem</i> , <b>2020</b> , 7, 3866-3873	4.3	7
325	Hollow nanoparticle-assembled hierarchical NiCo <sub>2</sub> O <sub>4</sub> nanofibers with enhanced electrochemical performance for lithium-ion batteries. <b>2020</b> , 7, 4101-4112		9
324	A Review of Conductive Hydrogel Used in Flexible Strain Sensor. <i>Materials</i> , <b>2020</b> , 13,	3.5	37
323	Nanostructured Graphene Oxide-Based Hybrids as Anodes for Lithium-Ion Batteries. <b>2020</b> , 6, 81		4
322	A Co <sub>3</sub> O <sub>4</sub> /C Composite for use as a High-Performance Lithium-Ion Battery Anode. <b>2020</b> , 5, 14613-14619		
321	A Ti-site deficient spinel Li <sub>2</sub> CoTi <sub>3</sub> O <sub>8</sub> anode with superior cycling performance for lithium-ion batteries. <b>2020</b> , 355, 115423		3
320	Graphene Matrix Sheathed Metal Vanadate Porous Nanospheres for Enhanced Longevity and High-Rate Energy Storage Devices. <b>2020</b> , 12, 27074-27086		17
319	Surfactant-Assisted Growth of a Conversion-Type Binary Metal Oxide-Based Composite Electrode for Boosting the Reversible Lithium Storage. <b>2020</b> , 5, 12476-12485		2
318	Facile CuFeO <sub>2</sub> microcrystal synthesis for lithium ion battery anodes via microwave heating. <b>2020</b> , 31, 9408-9414		2
317	Synthesis of single and bimetallic oxide-doped rGO as a possible electrode for capacitive deionization. <b>2020</b> , 50, 745-755		7
316	Controllable Synthesis of Co <sup>3+</sup> -Enriched Anisotropy Co <sub>3</sub> O <sub>4</sub> Hexagonal Prisms toward Enhanced Lithium Storage. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 5856-5866	6.1	8
315	Conversion of cotton cellulose to ZnO/C anodes for lithium-ion batteries via a sustainable self-assembly process in a green solvent. <b>2020</b> , 9, 100038		3
314	Electrodeposited CuMnS and CoMnS electrodes for high-performance asymmetric supercapacitor devices. <b>2020</b> , 46, 21343-21350		11
313	Electrophoretic deposition of nanographitic flakes/Co <sub>3</sub> O <sub>4</sub> nanocomposite layers synthesized by solvothermal process for improved lithium-ion-battery anode. <b>2020</b> , 288, 121471		6
312	Application of flammulina-velutipes-like CeO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> /rGO in high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , <b>2020</b> , 353, 136599	6.7	16
311	Cathode Materials for Zinc-Air Batteries. <b>2020</b> , 85-101		
310	Cobalt-oxide/carbon composites for asymmetric solid-state supercapacitors. <b>2020</b> , 131, 110974		13
309	Transfer-Free Growth of Bi <sub>2</sub> O <sub>2</sub> Se on Silicon Dioxide via Chemical Vapor Deposition. <b>2020</b> , 2, 2123-2131		6

308	Functional Nanomaterials. <b>2020</b> ,		10
307	Highly efficient formation of Mn <sub>3</sub> O <sub>4</sub> -graphene oxide hybrid aerogels for use as the cathode material of high performance lithium ion batteries. <b>2020</b> , 35, 121-130		11
306	Simple and Efficient Combustion Method for Preparation of High-Performance Co <sub>3</sub> O <sub>4</sub> Anode Materials for Lithium-Ion Batteries. <b>2020</b> , 72, 3296-3302		6
305	Perspective Enhancing Active Anode Material Performance for Lithium-Ion Batteries via Manipulation of Interfacial Chemistry. <b>2020</b> , 167, 050507		5
304	Chemical properties and applications. <b>2020</b> , 251-371		
303	Organic Rare Earth Hybrid Anode with Superior Cyclability for Lithium Ion Battery. <b>2020</b> , 7, 1902168		7
302	Ni <sub>2</sub> P/graphitic carbon nanostructure electrode with superior electrochemical performance. <i>Electrochimica Acta</i> , <b>2020</b> , 341, 136045	6.7	14
301	Room temperature xylene sensor based on Co <sub>3</sub> O <sub>4</sub> /GF hybrid. <b>2020</b> , 305, 111921		4
300	The remarkably improved hydrogen storage performance of MgH by the synergetic effect of an FeNi/rGO nanocomposite. <b>2020</b> , 49, 4146-4154		25
299	Multiscale modeling of electrolytes in porous electrode: From equilibrium structure to non-equilibrium transport. <b>2020</b> , 5, 303-321		24
298	Strong influence of strain gradient on lithium diffusion: flexo-diffusion effect. <b>2020</b> , 12, 15175-15184		5
297	Hierarchically Well-Developed Porous Graphene Nanofibers Comprising N-Doped Graphitic C-Coated Cobalt Oxide Hollow Nanospheres As Anodes for High-Rate Li-Ion Batteries. <b>2020</b> , 16, e2002213		26
296	Metal-organic framework derived petal-like Co <sub>3</sub> O <sub>4</sub> @CoNi <sub>2</sub> S <sub>4</sub> hybrid on carbon cloth with enhanced performance for supercapacitors. <b>2020</b> , 7, 1428-1436		27
295	Synthesis of hierarchical Sn/SnO nanosheets assembled by carbon-coated hollow nanospheres as anode materials for lithium/sodium ion batteries.. <b>2020</b> , 10, 6035-6042		10
294	Property engineering through nanomaterial chemical transformation of colloidal nanocrystal thin films. <i>Applied Surface Science</i> , <b>2020</b> , 513, 145721	6.7	1
293	Bio-inspired 3D porous carbon nanosheets composite materials for high-performance lithium-ion batteries. <b>2020</b> , 22, 1		0
292	Metal-organic frameworks derived In-based nanoparticles encapsulated by carbonaceous matrix for highly efficient energy storage. <i>Applied Surface Science</i> , <b>2020</b> , 513, 145894	6.7	3
291	Design and fabrication of hierarchical heterostructure CuCo <sub>2</sub> O <sub>4</sub> @PPy based asymmetric device with ultra high capacitance and attractive cycling performance. <b>2020</b> , 126, 110817		17

290	Multilayer Porous Three-Dimensional PM Composite Unbonded Paper Fiber Improves Electrochemical Properties of Nano-Si. <b>2020</b> , 72, 2226-2234		1
289	Green synthesis of cobalt oxide nanoparticles for potential biological applications. <b>2020</b> , 7, 025019		31
288	Carbon layer encapsulated Fe <sub>3</sub> O <sub>4</sub> @Reduced graphene oxide lithium battery anodes with long cycle performance. <b>2020</b> , 46, 12732-12739		22
287	Design and construction of few-layer graphene cathode for ultrafast and high-capacity aluminum-ion batteries. <b>2020</b> , 27, 396-404		22
286	Intrinsic performance regulation in hierarchically porous Co <sub>3</sub> O <sub>4</sub> microrods towards high-rate lithium ion battery anode. <b>2020</b> , 16, 100383		5
285	SiC/rGO Core-Shell Nanowire as a Lightweight, Highly Efficient Gigahertz Electromagnetic Wave Absorber. <b>2020</b> , 2, 473-482		14
284	Interfacial polymerized RGO/MnFe <sub>2</sub> O <sub>4</sub> /polyaniline fibrous nanocomposite supported glassy carbon electrode for selective and ultrasensitive detection of nitrite. <b>2020</b> , 309, 127763		45
283	C(OH) and Its Nanocomposite for High-Performance Lithium Storage. <i>ACS Nano</i> , <b>2020</b> , 14, 1600-1608	16.7	5
282	Zipper-Like Unfolding of dsDNA Caused by Graphene Wrinkles. <b>2020</b> , 124, 3332-3340		6
281	Binder-free layered ZnO@Ni microspheres as advanced anode materials for lithium-ion batteries. <i>Ionics</i> , <b>2020</b> , 26, 3281-3288	2.7	5
280	A surface multiple effect on the ZnO anode induced by graphene for a high energy lithium-ion full battery. <b>2020</b> , 824, 153945		10
279	Facile synthesis of novel tungsten-based hierarchical core-shell composite for ultrahigh volumetric lithium storage. <b>2020</b> , 567, 28-36		3
278	Structure Design and Composition Engineering of Carbon-Based Nanomaterials for Lithium Energy Storage. <b>2020</b> , 10, 1903030		71
277	Oxidation of graphene with variable defects: alternately symmetrical escape and self-restructuring of carbon rings. <b>2020</b> , 12, 10140-10148		12
276	Facile preparation of Co <sub>3</sub> O <sub>4</sub> nanoparticles incorporating with highly conductive MXene nanosheets as high-performance anodes for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2020</b> , 345, 136203	6.7	32
275	Nanostructure and doping engineering of ZnCoP for high performance electrolysis of water. <b>2020</b> , 16, 100412		26
274	High lithium anodic performance of reduced Sn particles on Co metal-organic frameworks for lithium-ion batteries with a long-cycle life. <b>2020</b> , 193, 108008		26
273	Binder- and conductive additive-free laser-induced graphene/LiNi <sub>1/3</sub> Mn <sub>1/3</sub> Co <sub>1/3</sub> O <sub>2</sub> for advanced hybrid supercapacitors. <b>2020</b> , 12,		15

272	Spectroscopic analysis of the interaction between Co <sub>3</sub> O <sub>4</sub> nanoparticles and acid phosphatase. <b>2020</b> , 151, 637-647		3
271	Bimetallic coordination polymer composites: A new choice of electrode materials for lithium ion batteries. <b>2020</b> , 350, 115310		25
270	Ni-nanoparticle-bound boron nitride nanosheets prepared by a radiation-induced reduction-exfoliation method and their catalytic performance. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 9109-9120	13	8
269	Designed formation of nitrogen-doped caramel sheathed bilateral hybrid oxides nanoarrays as ultra-stable anode for high-areal-capacity lithium-ion batteries. <b>2020</b> , 834, 155069		4
268	A highly responsive methanol sensor based on graphene oxide/polyindole composites.. <b>2020</b> , 10, 15206-15220	15	
267	Cobalt chloride-ferric chloride-graphite Bi-Intercalation compounds as anode materials for high-performance lithium-ion batteries. <b>2021</b> , 854, 157178		5
266	Gas sensor towards n-butanol at low temperature detection: Hierarchical flower-like Ni-doped Co <sub>3</sub> O <sub>4</sub> based on solvent-dependent synthesis. <b>2021</b> , 328, 129028		40
265	Hierarchical mesoporous nanoflowers of Zn <sub>2</sub> VO <sub>4</sub> for high capacity anode in lithium ion batteries. <b>2021</b> , 123, 105549		10
264	Degradation of sulfamethoxazole by Co <sub>3</sub> O <sub>4</sub> -palygorskite composites activated peroxymonosulfate oxidation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 406, 126759	14.7	34
263	Carbon coated porous Co <sub>3</sub> O <sub>4</sub> polyhedrons as anode materials for highly reversible lithium-ion storage. <b>2021</b> , 855, 157387		17
262	Advances in Bioprocess Engineering and Technology. <b>2021</b> ,		
261	Atomic Layer Deposition of High-Capacity Anodes for Next-Generation Lithium-Ion Batteries and Beyond. <b>2021</b> , 4, 363-391		15
260	Study on the Photocatalysis Mechanism of the Z-Scheme Cobalt Oxide Nanocubes/Carbon Nitride Nanosheets Heterojunction Photocatalyst with High Photocatalytic Performances. <b>2021</b> , 402, 123839		10
259	Review on poly(ethylene oxide)-based electrolyte and anode nanomaterials for the internet of things node-level lithium-ion batteries. <b>2021</b> , 42, 429-435		
258	Superior performance of cobalt oxide/carbon composite for solid-state supercapattery devices. <b>2021</b> , 603, 412561		5
257	MnO <sub>2</sub> -based carbon nanofiber cable for supercapacitor applications. <i>Journal of Energy Storage</i> , <b>2021</b> , 33, 102130	7.8	8
256	Electrochemical performance of quaternary (1-x)ZnMn <sub>2</sub> O <sub>4</sub> /(x)MgFe <sub>2</sub> O <sub>4</sub> solid solution as supercapacitor electrode. <b>2021</b> , 47, 7475-7486		12
255	Z-scheme Au decorated carbon nitride/cobalt tetroxide plasmonic heterojunction photocatalyst for catalytic reduction of hexavalent chromium and oxidation of Bisphenol A. <b>2021</b> , 410, 124539		15

254	Single and ternary nanocomposite electrodes of Mn <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> /rGO for supercapacitors. <b>2021</b> , 25, 803-819		5
253	Investigation of template-assisted (MCM-41) mesoporous Co <sub>3</sub> O <sub>4</sub> nanostructures and its superior supercapacitive retention. <b>2021</b> , 185, 109998		3
252	Nonlinear coupling vibrations of graphene composite laminated sheets impacted by particles. <b>2021</b> , 93, 75-88		10
251	Engineering capacitive contribution in dual carbon-confined Fe <sub>3</sub> O <sub>4</sub> nanoparticle enabling superior Li <sup>+</sup> storage capability. <b>2021</b> , 56, 5100-5112		1
250	Hydrothermal synthesis of urchin-like NiCo <sub>2</sub> O <sub>4</sub> /stereotaxically constructed graphene microspheres for ultrahigh-rate lithium and sodium storage. <b>2021</b> , 380, 115-125		9
249	Controlled thermal oxidation derived Mn <sub>3</sub> O <sub>4</sub> encapsulated in nitrogen doped carbon as an anode for lithium/sodium ion batteries with enhanced performance. <i>Chemical Engineering Journal</i> , <b>2021</b> , 406, 126894	14.7	18
248	Three-dimensional graphene-wrapped Co <sub>0.85</sub> Se@C as high volumetric capacity anode material for lithium-ion batteries. <i>Applied Surface Science</i> , <b>2021</b> , 536, 147746	6.7	7
247	Extremely pseudocapacitive interface engineered CoO@3D-NRGO hybrid anodes for high energy/power density and ultralong life lithium-ion batteries. <i>Carbon</i> , <b>2021</b> , 171, 869-881	10.4	18
246	Recent discovery of a multifunctional metallo-organic precursor for fabricating Co <sub>3</sub> O <sub>4</sub> /N-doped porous carbon by one-step in situ pyrolysis as an anode material for Li-ion batteries. <b>2021</b> , 56, 1590-1599		3
245	One step solvothermal synthesis and characterization of rGO/NiO nanocomposites. <b>2021</b> , 35, 17-22		1
244	Enriching surface oxygen vacancies of spinel Co <sub>3</sub> O <sub>4</sub> to boost H <sub>2</sub> O adsorption for HER in alkaline media.		2
243	Nanostructured anode materials in rechargeable batteries. <b>2021</b> , 187-219		3
242	Graphene-Based Materials with Tailored Nanostructures for Lithium-Ion Batteries. <b>2021</b> , 473-490		
241	Investigation of Au/Co <sub>3</sub> O <sub>4</sub> nanocomposites in glycol oxidation by tailoring Co <sub>3</sub> O <sub>4</sub> morphology. <b>2021</b> , 3, 1741-1746		3
240	Template-free formation of one-dimensional mesoporous ZnMn <sub>2</sub> O <sub>4</sub> tube-in-tube nanofibers towards lithium-ion batteries as anode materials.		0
239	Graphene Nanocomposites. <b>2021</b> , 1223-1241		
238	Microwave-Assisted Synthesis of Ge/GeO-Reduced Graphene Oxide Nanocomposite with Enhanced Discharge Capacity for Lithium-Ion Batteries. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	8
237	Graphene Nanocomposites. <b>2021</b> , 1-19		

236	Strategies, design and synthesis of advanced nanostructured electrodes for rechargeable batteries. <b>2021</b> , 5, 5897-5931		4
235	Nitrogen-Rich Multilayered Porous Carbon for an Efficient and Stable Anode. <i>Journal of Electronic Materials</i> , <b>2021</b> , 50, 1002-1009	1.9	1
234	Cobalt oxide nanoparticles induce oxidative stress and alter electromechanical function in rat ventricular myocytes. <b>2021</b> , 18, 1		2
233	Unravelling high volumetric capacity of Co <sub>3</sub> O <sub>4</sub> nanograin-interconnected secondary particles for lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 6242-6251	13	8
232	Carbon-based metal-free electrocatalysts: from oxygen reduction to multifunctional electrocatalysis. <b>2021</b> , 50, 11785-11843		24
231	Nanocomposites in Drug Delivery and Imaging Applications. <b>2021</b> , 1539-1554		
230	Tin dioxide-based nanomaterials as anodes for lithium-ion batteries.. <b>2020</b> , 11, 1200-1221		5
229	Using dyes to evaluate the photocatalytic activity. <b>2021</b> , 125-224		1
228	Rapid and sensitive detection of selective 1,2-diaminobenzene based on facile hydrothermally prepared doped Co <sub>3</sub> O <sub>4</sub> /Yb <sub>2</sub> O <sub>3</sub> nanoparticles. <b>2021</b> , 16, e0246756		
227	High electrochemical energy-storage performance promoted by SnSe nanorods anchored on rGO nanosheets. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 883, 115063	4.1	11
226	Facile preparation of hierarchical CuO nanostructures as a integrate binder-free anode for high-performance lithium-ion batteries. <b>2021</b> , 1802, 022040		0
225	Preparation and electrochemical properties of sepiolite supported Co <sub>3</sub> O <sub>4</sub> nanoparticles. <b>2021</b> , 203, 106020		1
224	Eco-friendly synthesis and characterization of cobalt oxide nanoparticles by sativum species and its photo-catalytic activity. <b>2021</b> , 48, 486-486		2
223	Graphene-Based Nanomaterials for Flexible and Stretchable Batteries. <b>2021</b> , 17, e2006262		8
222	Graphene: A promising candidate for charge regulation in high-performance lithium-ion batteries. <b>2021</b> , 14, 4370		8
221	10 nm-thick MoO <sub>3</sub> -coated TiO <sub>2</sub> nanotubes as a volume expansion regulated binder-free anode for lithium ion batteries. <b>2021</b> , 96, 364-370		4
220	First-principles study on S and N doping graphene/SnS <sub>2</sub> heterostructure for lithium-ion battery. <b>2021</b> , 769, 138391		4
219	Accelerating H Evolution by Anodic Semi-dehydrogenation of Tetrahydroisoquinolines in Water over Co O Nanoribbon Arrays Decorated Nickel Foam. <b>2021</b> , 27, 7502-7506		2

218	Size-controllable synthesis of ZnGeO hollow rods supported on reduced graphene oxide as high-capacity anode for lithium-ion batteries. <b>2021</b> , 589, 13-24		5
217	Ti3O5 nanofilm on carbon nanotubes by pulse laser deposition: Enhanced electrochemical performance. <i>Applied Surface Science</i> , <b>2021</b> , 548, 149269	6.7	4
216	Fe/N-codoped carbocatalysts loaded on carbon cloth (CC) for activating peroxymonosulfate (PMS) to degrade methyl orange dyes. <i>Applied Surface Science</i> , <b>2021</b> , 549, 149300	6.7	13
215	Highly Ordered SnO Nanopillar Array as Binder-Free Anodes for Long-Life and High-Rate Li-Ion Batteries. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
214	Tubular laminated composite structural battery. <b>2021</b> , 208, 108646		2
213	Rock-Salt MnSSe Nanocubes Assembled on N-Doped Graphene Forming van der Waals Heterostructured Hybrids as High-Performance Anode for Lithium- and Sodium-Ion Batteries. <b>2021</b> , 13, 22608-22620		6
212	Synergistic effect for the degradation of tetracycline by rGO-Co3O4 assisted persulfate activation. <b>2021</b> , 153, 110005		12
211	One-Pot Synthesis of High-Performance Tin Chalcogenides/C Anodes for Li-Ion Batteries. <b>2021</b> , 6, 17391-17399		4
210	A review of self-healing electrode and electrolyte materials and their mitigating degradation of Lithium batteries. <b>2021</b> , 84, 105907		14
209	Recent progress in synthesis, growth mechanisms, properties, and applications of silicon nitride nanowires. <b>2021</b> , 47, 14944-14965		5
208	Metal-organic framework derived Fe3O4/C/rGO composite as an anode material in lithium-ion batteries. <i>Ionics</i> , <b>2021</b> , 27, 3281	2.7	4
207	Solventless Mechanochemical Fabrication of ZnO/MnCO3/N-Doped Graphene Nanocomposite: Efficacious and Recoverable Catalyst for Selective Aerobic Dehydrogenation of Alcohols under Alkali-Free Conditions. <b>2021</b> , 11, 760		1
206	Ni Nanoparticle-Graphene Oxide Composites for Speedy and Efficient Removal of Cr(VI) from Wastewater. <b>2021</b> , 31, 345-352		
205	Novel synthesis method of cobalt hydroxycarbonate hydrate-reduced graphene oxide composite microspheres for lithium-ion battery anode. <b>2021</b> , 45, 20302		0
204	Hollow Co3O4@N-doped carbon nanocrystals anchored on carbon nanotubes for freestanding anode with superior Li/Na storage performance. <i>Chemical Engineering Journal</i> , <b>2021</b> , 415, 128861	14.7	4
203	Rational Design of Perforated Bimetallic (Ni, Mo) Sulfides/N-doped Graphitic Carbon Composite Microspheres as Anode Materials for Superior Na-Ion Batteries.. <b>2021</b> , 5, e2100195		4
202	Embedding Cobalt Into ZIF-67 to Obtain Cobalt-Nanoporous Carbon Composites as Electrode Materials for Lithium ion Battery. <i>Journal of Electrochemical Science and Technology</i> ,	3.2	0
201	Design principles and direct applications of cobalt-based metal-organic frameworks for electrochemical energy storage. <b>2021</b> , 438, 213872		20

200	Review of ZnO Binary and Ternary Composite Anodes for Lithium-Ion Batteries. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	1
199	Probing electrochemical charge storage of 3D porous hierarchical cobalt oxide decorated rGO in ultra-high-performance supercapacitor. <b>2021</b> , 419, 127287		3
198	Copper oxide@cobalt oxide core-shell nanostructure, as an efficient binder-free anode for lithium-ion batteries. <b>2021</b> , 54, 465501		
197	Solvent-Dependent Synthesis of Okra-Shaped Co <sub>3</sub> O <sub>4</sub> for Acetone Gas Detection at Low Operation Temperatures. <b>2021</b> , 3, 3400-3410		1
196	Active Material Interfacial Chemistry and Its Impact on Composite Magnetite Electrodes. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 9836-9847	6.1	1
195	Graphene-Enhanced Battery Components in Rechargeable Lithium-Ion and Lithium Metal Batteries. <b>2021</b> , 7, 65		2
194	Synthesis of Spherical Carbon-Coated CoP Nanoparticles for High-Performance Lithium-Ion Batteries. <b>2021</b> , 9, 2100605		1
193	Structure-design and theoretical-calculation for ultrasmall Co <sub>3</sub> O <sub>4</sub> anchored into ionic liquid modified graphene as anode of flexible lithium-ion batteries. 1		3
192	Needle-like Co <sub>3</sub> O <sub>4</sub> nanoarrays as a dual-responsive amperometric sensor for enzyme-free detection of glucose and phosphate anion. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 897, 115605	4.1	4
191	Effects of SiO <sub>2</sub> particles in copper current collector on diffusion induced stresses in layered Li-ion battery electrodes. 095440622110036		
190	Amphiphilic Z907 dye grafted ZnS/rGO and Zn <sub>1-x</sub> Cd <sub>x</sub> S/rGO decorated nano-hybrid structures: Synthesis, characterization and applications in solid state dye sensitized solar cells. <b>2021</b> , 244, 167609		1
189	Electrospun cobalt Prussian blue analogue-derived nanofibers for oxygen reduction reaction and lithium-ion batteries. <b>2021</b> , 599, 280-290		5
188	Two-dimensional composite of Nitrogen-doped graphitic Carbon-coated cobalt oxide nanocrystals on MXene nanosheets as High-performance anode for Lithium-ion batteries. <i>Applied Surface Science</i> , <b>2021</b> , 564, 150415	6.7	2
187	Sensitivity enhancement in rGO/Mn <sub>3</sub> O <sub>4</sub> hybrid nanocomposites: A modified glassy carbon electrode for the simultaneous detection of dopamine and uric acid. <b>2021</b> , 280, 116859		1
186	FeMoO <sub>4</sub> nanorods anchored on graphene sheets as a potential anode for high performance sodium ion batteries. <b>2021</b> , 877, 160306		1
185	One-dimensional porous nanostructure composed of few-layered MoSe <sub>2</sub> nanosheets and highly densified-entangled-N-doped CNTs as anodes for Na ion batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 129051	14.7	7
184	Submicro-sized and partially etched V <sub>2</sub> Al CT as an anode for lithium-ion storage. <b>2022</b> , 891, 161904		1
183	Encapsulation of a Core-Shell Porous FeO@Carbon Material with Reduced Graphene Oxide for Li Battery Anodes with Long Cyclability. <b>2021</b> , 37, 785-792		7

182	Carbon-Based Nanocomposites: Processing, Electronic Properties and Applications. <b>2021</b> , 97-122	
181	Self-assembly of corn-like Co <sub>3</sub> O <sub>4</sub> from nanoparticles induced by graphene wrinkles and its application in lithium ion batteries. <b>2021</b> , 5, 2469-2476	2
180	Advancements in Energy Storage Through Graphene. <b>2021</b> , 165-173	1
179	NiO nanoflakes decorated needle-like MnCo <sub>2</sub> O <sub>4</sub> hierarchical structure on nickel foam as an additive-free and high performance supercapacitor electrode. <b>2021</b> , 56, 8613-8626	8
178	Hierarchical CoP Nanostructures on Nickel Foam as Efficient Bifunctional Catalysts for Water Splitting. <b>2021</b> , 14, 1094-1102	8
177	Applications of Soft X-ray Spectromicroscopy in Energy Research from Materials to Batteries. <b>2021</b> , 141-178	
176	Graphene for Energy Solutions and its Printable Applications. 191-236	1
175	Graphene: Synthesis, Properties and Application. 139-193	1
174	Origin of Fracture-Resistance to Large Volume Change in Cu-Substituted Co O Electrodes. <b>2018</b> , 30, 1704851	23
173	Non-Precious Metal/Metal Oxides and Nitrogen-Doped Reduced Graphene Oxide based Alkaline Water-Electrolysis Cell. <b>2017</b> , 9, 4295-4300	18
172	NiCo <sub>2</sub> O <sub>4</sub> /C Core-Shell Nanoneedles on Ni Foam for All-Solid-State Asymmetric Supercapacitors. <b>2020</b> , 5, 5501-5506	3
171	Anode Materials, SEI, Carbon, Graphite, Conductivity, Graphene, Reversible, Formation. <b>2019</b> , 1-71	5
170	Transition Metal Oxide/Graphene/Reduced Graphene Oxide Composites as Electrode Materials for Supercapacitors. <b>2020</b> , 297-331	14
169	Bio-Inspired Engineering of 3D Carbon Nanostructures. <b>2016</b> , 365-420	1
168	CNT Applications in Microelectronics, Nanoelectronics, and Nanobioelectronics <b>2018</b> , 65-72	1
167	CNT Applications in Displays and Transparent, Conductive Films/Substrates. <b>2018</b> , 73-75	1
166	Graphene Applications in Electronics, Electrical Conductors, and Related Uses. <b>2018</b> , 141-146	3
165	Characterization Methods. <b>2018</b> , 403-488	2

164	Microwave- and Conductivity-Based Technologies. <b>2018</b> , 655-669		1
163	CNT Applications in Sensors and Actuators. <b>2018</b> , 53-60		2
162	Graphene Oxide (GO) Nanocomposite Based Room Temperature Gas Sensor. <b>2020</b> , 303-328		0
161	Efficient construction of a CoCO <sub>3</sub> /graphene composite anode material for lithium-ion batteries by stirring solvothermal reaction. <b>2018</b> , 44, 3718-3725		14
160	Monodispersed FeCO <sub>3</sub> nanorods anchored on reduced graphene oxide as mesoporous composite anode for high-performance lithium-ion batteries. <b>2017</b> , 364, 359-366		24
159	Optical absorption induced by small polaron formation in transition metal oxides: The case of Co <sub>3</sub> O <sub>4</sub> . <b>2019</b> , 3,		25
158	Comprehensive Review on Graphene Oxide for Use in Drug Delivery System. <b>2020</b> , 27, 3665-3685		34
157	Effect of Morphology of Co <sub>3</sub> O <sub>4</sub> for Oxygen Evolution Reaction in Alkaline Water Electrolysis. <b>2014</b> , 11, 107-112		36
156	Improved Performance of CuFe <sub>2</sub> O <sub>4</sub> /rGO Nanohybrid as an Anode Material for Lithium-ion Batteries Prepared Via Facile One-step Method. <b>2019</b> , 15, 420-429		19
155	Cobalt Oxide Nanorods Prepared by a Template-Free Method for Lithium Battery Application. <i>Journal of Electrochemical Science and Technology</i> , <b>2016</b> , 7, 206-213	3.2	3
154	Nanostructured Electrode Materials for Rechargeable Lithium-Ion Batteries. <i>Journal of Electrochemical Science and Technology</i> , <b>2020</b> , 11, 195-219	3.2	14
153	Research Progress of Graphene Composites. <b>2013</b> , 28, 235-246		19
152	Interfacial Natures and Controlling Morphology of Co Oxide Nanocrystal Structures by Adding Spectator Ni Ions. <b>2012</b> , 33, 505-510		47
151	Synthesis and Characterization of Mn <sub>3</sub> O <sub>4</sub> -Graphene Nanocomposite thin Film by an ex situ Approach. <b>2014</b> , 35, 1067-1072		7
150	Synthesis and Characterization of Graphene and Graphene Oxide Based Palladium Nanocomposites and Their Catalytic Applications in Carbon-Carbon Cross-Coupling Reactions. <b>2014</b> , 35, 1979-1984		9
149	Metal Oxide-Graphene Nanocomposites. <b>2014</b> , 196-225		
148	Chemically derived graphene. <b>2014</b> , 223-250		1
147	Graphene and Its Derivatives for Energy Storage. 191-224		1

- 146 Three-Dimensional Graphene Bimetallic Nanocatalysts Foam for Energy Storage and Biosensing. 277-324
- 145 Nanocomposites in Drug Delivery and Imaging Applications. **2018**, 415-430
- 144 Basic Electrochemistry of CPs. **2018**, 283-309
- 143 Miscellaneous CNT Applications. **2018**, 89-90
- 142 CNT Applications in Specialized Materials. **2018**, 45-48
- 141 Structural Aspects and Morphology of CPs. **2018**, 389-402
- 140 A Review of Potential Applications of Graphene Composites in Anode Materials for Lithium Ion Batteries. **2018**, 08, 188-201
- 139 Electronic Structure and Conduction Models of Graphene. **2018**, 101-106
- 138 Electrochromics. **2018**, 601-624
- 137 Classes of CPs: Part 1. **2018**, 489-507
- 136 Electro-Optic and Optical Devices. **2018**, 671-684 1
- 135 Conduction Models and Electronic Structure of CNTs. **2018**, 11-16
- 134 Miscellaneous Applications. **2018**, 695-715
- 133 CNT Applications in the Environment and in Materials Used in Separation Science. **2018**, 81-87
- 132 Graphene Applications in Displays and Transparent, Conductive Films/Substrates. **2018**, 147-148
- 131 Classes of CPs: Part 2. **2018**, 509-545
- 130 Introducing Conducting Polymers (CPs). **2018**, 159-174
- 129 Syntheses and Processing of CPs. **2018**, 311-388

- 128 Physical, Mechanical, and Thermal Properties of CNTs. **2018**, 33-36
- 127 CNT Applications in Electrical Conductors, Quantum Nanowires, and Potential Superconductors. **2018**, 77-79
- 126 Toxicology of CNTs. **2018**, 37-39
- 125 Synthesis, Purification, and Chemical Modification of CNTs. **2018**, 17-31
- 124 Introducing Graphene. **2018**, 93-99
- 123 Sensors. **2018**, 549-574
- 122 Conduction Models and Electronic Structure of CPs. **2018**, 175-249 1
- 121 Brief, General Overview of Applications. **2018**, 123-124
- 120 Electrochemomechanical, Chemomechanical, and Related Devices. **2018**, 685-693
- 119 Displays, Including Light-Emitting Diodes (LEDs) and Conductive Films. **2018**, 625-654
- 118 Triggering anomalous capacity by nanoengineered ordered mesoporous structure for Co<sub>3</sub>O<sub>4</sub> anode material in Li-ion rechargeable batteries. *Applied Surface Science*, **2021**, 151744 6.7 1
- 117 Fabrication and photocatalytic performance of C, Pt-comodified TiO<sub>2</sub> nanotubes. **2020**, 15, 1089-1094
- 116 Facile preparation of Co@Co<sub>3</sub>O<sub>4</sub>@Nitrogen doped carbon composite from ionic liquid as anode material for high performance lithium-ion batteries. **2020**, 38, 601-612
- 115 Amorphous three-dimensional porous Co<sub>3</sub>O<sub>4</sub> nanowire network toward superior OER catalysis by lithium-induced. **2022**, 893, 162287 4
- 114 Review Recent Advances of Carbon-Based Nanocomposites as the Anode Materials for Lithium-Ion Batteries: Synthesis and Performance. 2
- 113 Significantly enhanced charge transport in polysilicon by alleviating grain boundary scattering through interface control using reduced graphene oxide. 1
- 112 Significance of Flexible Substrates for Wearable and Implantable Devices: Recent Advances and Perspectives. 2100773 9
- 111 An Environmentally Benign Green Approach for the Reduction of Graphene Oxide by Apple Extract: Spectroscopic and Thermal Interpretation. **2021**, 373-382

110	Recent advances of metal telluride anodes for high-performance lithium/sodium-ion batteries. <b>2021,</b>		7
109	Graphene Synthesis and Its Recent Advances in Applications A Review. <b>2021, 7, 76</b>		2
108	Preparation of a Sulfur-Doped Graphene-Wrapped FeS <sub>2</sub> Microsphere Composite Material for Lithium-Ion Batteries.		0
107	A comprehensive evaluation of Co, Ni, Cu and Zn doped manganese oxalate for lithium storage. <b>2021, 306, 122728</b>		
106	Recent Advances and Challenges of Nanomaterials-Based Hydrogen Sensors. <b>2021, 12,</b>		0
105	WO <sub>3</sub> /graphene Cu nanocomposites for CO, NO <sub>2</sub> and acetone gas sensors. <b>2022, 29, 100824</b>		1
104	Advances in and prospects of nanomaterials morphological control for lithium rechargeable batteries. <b>2022, 93, 106860</b>		2
103	Constructing High-Performance Lithium-Ion Hybrid Capacitors Based on the Electrode Framework Matching Strategy. <i>ACS Applied Energy Materials,</i>	6.1	1
102	Copper foil after hydrothermal treatment in acidified tungstate solution as conductor- and binder-free anode electrodes for high performance lithium-ion batteries. 1-10		0
101	Preparation and application of a flower-rod-like Bi <sub>2</sub> S <sub>3</sub> /Co <sub>3</sub> O <sub>4</sub> /rGO/nickel foam supercapacitor electrode. <b>2022, 46, 857-867</b>		0
100	Electrospun Carbon Nanofibers Loaded with Atomic FeN <sub>x</sub> /Fe <sub>2</sub> O <sub>3</sub> Active Sites for Efficient Oxygen Reduction Reaction in Both Acidic and Alkaline Media. 2101904		0
99	Powder injection molded nano copper oxide grafted graphene reinforced copper matrix composites. <b>2022, 397, 117101</b>		1
98	Oxygen vacancy-expedited ion diffusivity in transition-metal oxides for high-performance lithium-ion batteries. <i>Science China Materials,</i> 1	7.1	3
97	Investigation of the dielectric and electrochemical properties of Co <sub>3</sub> O <sub>4</sub> /NiO nanocomposites with varying NiO content. <b>2022, 629, 413623</b>		0
96	Interfacial Assembly of Functional Mesoporous Carbon-Based Materials into Films for Batteries and Electrocatalysis. 2101998		4
95	Controllable Synthesis of a Porous PEI-Functionalized CoO/rGO Nanocomposite as an Electrochemical Sensor for Simultaneous as Well as Individual Detection of Heavy Metal Ions.. <b>2022, 7, 5870-5882</b>		3
94	Metal-organic framework-derived walnut-like hierarchical Co-O-nanosheets as an advanced binder-free electrode material for flexible supercapacitor. <i>Journal of Energy Storage,</i> <b>2022, 49, 104150</b>	7.8	0
93	Confined heterogeneous catalysis by boron nitride-Co <sub>3</sub> O <sub>4</sub> nanosheet cluster for peroxymonosulfate oxidation toward ranitidine removal. <i>Chemical Engineering Journal,</i> <b>2022, 435, 135126</b>	14.7	0

92	Doping of Carbon Nanostructures for Energy Application. <b>2022</b> , 83-109		
91	Three-dimensional nano-folded transition-metal oxide electrode materials for high-performing electrochemical energy-storage devices. <b>2022</b> , 10, 5276-5283		
90	Cr <sub>2</sub> O <sub>3</sub> -Doped Graphene Sensor for Early Diagnosis of Liver Cirrhosis: A First-Principles Study. <i>SSRN Electronic Journal</i> ,	1	
89	Harvesting Si Nanostructures and C@Si Composites by Paired Electrolysis in Molten Salt: Implications for Lithium Storage. <b>2022</b> , 5, 3781-3789		1
88	Thermal Self-Protection Behavior of Energy Storage Devices Using a Thermally Responsive Smart Polymer Electrolyte. <b>2022</b> , 7,		1
87	Morphological and Electrochemical Properties of ZnMnO Nanopowders and Their Aggregated Microspheres Prepared by Simple Spray Drying Process.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	1
86	Graphene: Chemistry and Applications for Lithium-Ion Batteries. <i>Electrochem</i> , <b>2022</b> , 3, 143-183	2.9	1
85	Production of hydrogen by ammonia decomposition over supported Co <sub>3</sub> O <sub>4</sub> catalysts. <i>Catalysis Today</i> , <b>2022</b> ,	5.3	1
84	Manganese dioxide nanosheets loaded on the carbon matrix as superior anode materials for advanced energy conversion. <i>Ionics</i> , <b>2022</b> , 28, 2197	2.7	0
83	Transition Metal Oxide Anodes for Electrochemical Energy Storage in Lithium- and Sodium-Ion Batteries*. <b>2022</b> , 55-99		5
82	Superior electrochemical performances of core-shell structured vanadium oxide@vanadium carbide composites for Li-ion storage. <i>Applied Surface Science</i> , <b>2022</b> , 588, 152904	6.7	1
81	Mesoporous Mulberry-like CoMoO <sub>4</sub> : A Highly Suitable Anode Material for Sodium Ion Batteries over Lithium Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 126-136	6.1	2
80	Recent Advances in Materials Design Using Atomic Layer Deposition for Energy Applications. <i>Advanced Functional Materials</i> , <b>2022</b> , 32, 2109105	15.6	4
79	N/S co-doped CoSe/C nanocubes as anode materials for Li-ion batteries. <i>Nanotechnology Reviews</i> , <b>2021</b> , 11, 244-251	6.3	0
78	Three-dimensional ordered mesoporous Co <sub>3</sub> O <sub>4</sub> /peroxymonosulfate triggered nanoconfined heterogeneous catalysis for rapid removal of ranitidine in aqueous solution. <i>Chemical Engineering Journal</i> , <b>2022</b> , 136495	14.7	1
77	Recent trend of CeO <sub>2</sub> -based nanocomposites electrode in supercapacitor: A review on energy storage applications. <i>Journal of Energy Storage</i> , <b>2022</b> , 50, 104643	7.8	7
76	Mos <sub>2</sub> /Graphene Hybrid Nanosheets Prepared by Xylitol Assisted Ball Milling as High-Performance Anode Materials for Lithium-Ion Batteries. <i>SSRN Electronic Journal</i> ,	1	
75	Porous Microspheres Comprising CoSe Nanorods Coated with N-Doped Graphitic C and Polydopamine-Derived C as Anodes for Long-Lived Na-Ion Batteries.. <i>Nano-Micro Letters</i> , <b>2022</b> , 14, 113	19.5	3

74	Enhanced electromagnetic interference (EMI) shielding in BiFeO <sub>3</sub> /graphene oxide nanocomposites over X-band frequency region. <i>Journal of Applied Physics</i> , <b>2022</b> , 131, 174101	2.5	0
73	2D Graphene/MnO Heterostructure with Strongly Stable Interface Enabling High-Performance Flexible Solid-state Lithium-Ion Capacitors. <i>Advanced Functional Materials</i> , 2202342	15.6	2
72	Transparent aqueous rechargeable sodium-ion battery. <i>Electrochimica Acta</i> , <b>2022</b> , 140548	6.7	
71	Carbon-Based Nanocomposites: Processing, Electronic Properties, and Applications. <i>SSRN Electronic Journal</i> ,	1	
70	Improvement on high-temperature electrochemical performance of lithium-ion pouch cells by spatial atomic layer deposition. <i>Electrochimica Acta</i> , <b>2022</b> , 423, 140605	6.7	
69	Metallic Nanosponges for Energy Storage and Conversion Applications. <i>Journal of Materials Chemistry A</i> ,	13	2
68	Global Importance and Cycling of Nanoparticles. <b>2022</b> , 1-20		
67	Dual carbon Li-ion capacitor with high energy density and ultralong cycling life at a wide voltage window. <i>Science China Materials</i> ,	7.1	0
66	Novel Copper-Zinc-Manganese Ternary Metal Oxide Nanocomposite as Heterogeneous Catalyst for Glucose Sensor and Antibacterial Activity. <i>Antioxidants</i> , <b>2022</b> , 11, 1064	7.1	6
65	Effect of Co <sub>3</sub> O <sub>4</sub> /Additive Interface and Crystallite Size on Co <sub>3</sub> O <sub>4</sub> Li-ion Battery Capacity and Cycle Stability. <i>Journal of Korean Institute of Metals and Materials</i> , <b>2022</b> , 60, 448-454	1	
64	Ultrafine Fe <sub>3</sub> N nanocrystals coupled with N doped 3D porous carbon networks induced atomically dispersed Fe for superior sodium ion storage. <i>Carbon</i> , <b>2022</b> , 196, 795-806	10.4	0
63	Progress in Electrode and Electrolyte Materials: Path to All-solid-state Li-ion Batteries (ASSLIB). <i>Energy Advances</i> ,		4
62	Novel metal organic frameworks derived nitrogen-doped porous carbon-covered Co <sub>3</sub> O <sub>4</sub> nanoparticle composites as anode materials for efficient lithium storage. <i>Ionics</i> ,	2.7	0
61	Synthesis of laser-induced cobalt oxide for non-enzymatic electrochemical glucose sensors. <i>ChemElectroChem</i> ,	4.3	0
60	Construction of modified screen-printed graphite electrode for the application in electrochemical detection of sunset yellow in food samples. <i>Food and Chemical Toxicology</i> , <b>2022</b> , 113243	4.7	1
59	An electrochemical sensor based on cobalt oxyhydroxide nanoflakes/reduced graphene oxide nanocomposite for detection of illicit drug-clonazepam. <i>Journal of Electroanalytical Chemistry</i> , <b>2022</b> , 919, 116537	4.1	2
58	Preparation and characterization of aluminum oxide/iron oxide/graphene oxide nanocomposite by co-precipitation method. <i>AIP Conference Proceedings</i> , <b>2022</b> ,	0	
57	Graphene oxide-based modified electrodes for lithium-ion batteries. <b>2022</b> , 267-279		

56	Conversion reaction-based transition metal oxides as anode materials for lithium ion batteries: recent progress and future prospects. <i>Ceramist</i> , <b>2022</b> , 25, 218-246	0.3	
55	Spongy Co <sub>3</sub> O <sub>4</sub> Wrapped Flexible Carbon Cloth by Electrodeposition as an Anode for Lithium-Ion Batteries. <i>Journal of Electronic Materials</i> ,	1.9	
54	The peroxidase-like catalytic activity of in situ prepared cobalt carbonate and its applications in colorimetric detection of hydrogen peroxide, glucose and ascorbic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 129744	5.1	1
53	Graphene-Based Materials for Lithium/Sodium-Ion Batteries. <b>2022</b> , 123-162		
52	Research progress on carbon materials as negative electrodes in sodium- and potassium-ion batteries.		4
51	Co-Precipitation Synthesis of Co <sub>3</sub> [Fe(CN) <sub>6</sub> ] <sub>2</sub> ·10H <sub>2</sub> O@rGO Anode Electrode for Lithium-Ion Batteries. <i>Materials</i> , <b>2022</b> , 15, 4705	3.5	
50	Enhancing Electrochemical Performance of Co(OH) <sub>2</sub> Anode Materials by Introducing Graphene for Next-Generation Li-ion Batteries. <i>Journal of Electrochemical Science and Technology</i> , <b>2022</b> , 13, 398-406	3.2	
49	Interface engineering of high entropy Oxide@Polyaniline heterojunction enables highly stable and excellent lithium ion storage performance. <i>Chemical Engineering Journal</i> , <b>2022</b> , 450, 137924	14.7	2
48	Graphene and carbon structures and nanomaterials for energy storage. <b>2022</b> , 128,		3
47	Two Birds with One Stone: Prelithiated Two-Dimensional Nanohybrids as High-Performance Anode Materials for Lithium-Ion Batteries. <b>2022</b> , 14, 35673-35681		0
46	3D porous carbon network-reinforced defective CoFeOx@C as a high-rate electrode for lithium-ion batteries. <b>2022</b> , 428, 140950		2
45	Applications of graphene-based composites in the anode of lithium-ion batteries. 4,		0
44	Surficial grafting of organoimido moieties enhances the capacity performance of oxometallic clusters.		0
43	Liquid-phase hydrogenation of carbon tetrachloride catalyzed by three-dimensional graphene-supported palladium catalyst. <b>2022</b> , 11, 724-731		0
42	A Cr <sub>2</sub> O <sub>3</sub> -doped graphene sensor for early diagnosis of liver cirrhosis: a first-principles study. <b>2022</b> , 24, 21372-21380		0
41	Magnetic properties of Sn- and Mn-incorporated Co <sub>2</sub> TiO <sub>4</sub> from single-step calcination. <b>2022</b> , 51, 13022-13031		0
40	Electrochemical activity of ultrathin MoO <sub>3</sub> nanoflakes for long cycle lithium ion batteries. <b>2022</b> , 4, 100493		0
39	A Comprehensive Review on Graphene Nanoparticles: Preparation, Properties, and Applications. <b>2022</b> , 14, 12336		0

38	Significance of Thermophoretic Particle Deposition, Arrhenius Activation Energy and Chemical Reaction on the Dynamics of Wall Jet Nanofluid Flow Subject to Lorentz Forces. <b>2022</b> , 10, 228	0
37	Discharged Titanium Oxide Nanotube Arrays Coated with Ni as a High-Performance Lithium Battery Electrode Material. 2200494	0
36	Docking studies and thiourea-mediated reduced graphene oxide nanosheets' larvicidal efficacy against Culex quinquefasciatus. <b>2022</b> , 242, 108391	0
35	Building oxygen-vacancy in Co <sub>3</sub> O <sub>4</sub> nanocrystal towards ultrahigh pseudocapitance. <b>2022</b> , 929, 167299	0
34	Applications of all-inorganic perovskites for energy storage.	0
33	Solar light induced photocatalytic degradation of tetracycline in the presence of ZnO/NiFe <sub>2</sub> O <sub>4</sub> /Co <sub>3</sub> O <sub>4</sub> as a new and highly efficient magnetically separable photocatalyst. 10,	0
32	Construction of a flexible, integrated rechargeable Li battery based on a coaxial anode with a carbon fiber core encapsulated in FeNiMnO <sub>4</sub> and a nitrogen-doped carbon sheath. <b>2022</b> , 37, 944-955	0
31	Mesoporous Multi-Valence Manganese Oxides Composite Nanotubes Boosting Long-Life Lithium-Ion Batteries.	0
30	Two-dimensional porous CeO <sub>2</sub> @Co <sub>3</sub> O <sub>4</sub> sheet-like heterostructures for high-performance aqueous hybrid supercapacitors.	0
29	Diverse structural constructions of graphene-based composites for supercapacitors and metal-ion batteries. <b>2022</b> , 100453	0
28	Surface engineered active Co <sup>3+</sup> species in alkali doped Co <sub>3</sub> O <sub>4</sub> spinel catalyst with superior O <sub>2</sub> activation for efficient CO oxidation. <b>2023</b> , 36, 102537	2
27	Electrochemically Induced Borate Allotropes for Expedite Charge Transfer in Lithium-Ion Batteries and Hydroxyl Ion Capture Activity in Flexible Pseudocapacitor.	0
26	MoS <sub>2</sub> /graphene nanosheet composites prepared by xylitol-assisted ball milling as high-performance anode materials for lithium-ion batteries.	1
25	N-doped ZnC composites with gelatin coating as enhanced lithium-storage anode materials. <b>2022</b> , 57, 21996-22005	0
24	Voltammetric detection of catechol in real samples using MnO <sub>2</sub> nanorods-graphene oxide nanocomposite modified electrode.	0
23	Stable all-solid-state Z-scheme heterojunction Bi <sub>2</sub> O <sub>3</sub> -Co <sub>3</sub> O <sub>4</sub> @C microsphere photocatalysts for recalcitrant pollutant degradation. <b>2023</b> , 168915	1
22	Metal Oxide Wrapped by Reduced Graphene Oxide Nanocomposites as Anode Materials for Lithium-Ion Batteries. <b>2023</b> , 13, 296	0
21	Fabrication of 3D graphene microstructures with uniform metal oxide nanoparticles via molecular self-assembly strategy and their supercapacitor performance. <b>2023</b> , 204, 336-345	0

- 20 Constructing ZnCo<sub>2</sub>O<sub>4</sub>@CTP microspheres as a high-energy lithium storage material. **2022**, ○
- 19 Electrospun membranes for batteries. **2023**, 521-553 ○
- 18 Novel CoMnFeO<sub>4</sub>-MWCNT nanocomposite based on a green synthesized method for supercapacitor applications. ○
- 17 Assembling CoAl-layered metal oxide into the gravity-driven catalytic membrane for Fenton-like catalytic degradation of pharmaceuticals and personal care products. **2023**, 463, 142340 ○
- 16 Multifunctional SnP<sub>x</sub>/GO composites for fully integrated and self-powered gas sensing system for NO<sub>2</sub> detection. **2023**, 382, 133507 ○
- 15 Fluorine-doped MnO@fluorographene with high conductivity for improved capacity and prolonged cycling stability of lithium-ion anode. **2023**, 945, 169255 ○
- 14 2.2V wearable asymmetric supercapacitors based on Co oxide//Mn oxide electrodes and a PVA-KOH-urea-LiClO<sub>4</sub> alkaline gel electrolyte. **2023**, 945, 169285 ○
- 13 Copper-induced formation of heterostructured Co<sub>3</sub>O<sub>4</sub>/CuO hollow nanospheres towards greatly enhanced lithium storage performance. **2023**, 108450 ○
- 12 Cobalt oxide based inorganic-organic hybrid composite as novel anodic material for ultra-stable Li-ion battery. **2023**, 297, 127452 ○
- 11 Copper-Doped Cobalt Oxychloride for Efficient Oxygen Evolution Reactions in an Alkaline Medium. **2023**, 6, 2489-2496 ○
- 10 ??????????????????????. **2023**, 66, 1670-1674 ○
- 9 Study on the annealing phase transformation mechanism and electrochemical properties of carbon submicron fibers loaded with cobalt. **2022**, 12, 1493-1501 1
- 8 Synergistic Electrochemical Properties of Graphene Incorporated LCZ-Oxide Cathode for Low Temperature Solid Oxide Fuel Cell. **2023**, 13, 434 ○
- 7 Non-van der Waals 2D Materials for Electrochemical Energy Storage. 2209360 ○
- 6 Porous CoP/C derived from metal-organic framework as high-performance anode materials for superior lithium storage. **2023**, 29, 2087-2092 ○
- 5 High-performance asymmetric supercapacitor based on a CdCO<sub>3</sub>/CdO/Co<sub>3</sub>O<sub>4</sub> composite supported on Ni foam [part II: a three-electrode electrochemical study. **2023**, 13, 10068-10081 ○
- 4 Carbon-based nanomaterials for battery applications. **2023**, 497-514 ○
- 3 Graphene-based Composite Materials as Catalyst for Organic Transformations. **2023**, 8, ○

- 2 Enhanced Dielectric Properties of Polymer Composites with Polar Fe<sub>2</sub>TiO<sub>5</sub> and Non-polar Diamond Nanofillers. ○
- 1 Preparing a graphene/carbon nanotube coated hollow nickel phosphides microsphere anode with high stability for high-performance lithium/sodium battery. **2023**, 117479 ○