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## Advanced materials for energy storage

DOI: 10.1002/adma.200903328

Advanced Materials, 2010, 22, E28-62.

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**Version:** 2024-04-19

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2328	Recent developments in nanostructured materials for high-performance thermoelectrics. <b>2010</b> , 20, 9577		135
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2156	Extended Solubility Limits and Nanograin Refinement in Ti/Zr Fluoride-Catalyzed MgH <sub>2</sub> . <b>2012</b> , 116, 2001-2012	38
2155	A polymer electrolyte-skinned active material strategy toward high-voltage lithium ion batteries: a polyimide-coated LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> spinel cathode material case. <b>2012</b> , 5, 7124	151
2154	On the Influence of Pore Size and Pore Loading on Structural and Dynamical Heterogeneities of an Ionic Liquid Confined in a Slit Nanopore. <b>2012</b> , 116, 5169-5181	79
2153	Porous carbon-modified MnO disks prepared by a microwave-polyol process and their superior lithium-ion storage properties. <b>2012</b> , 22, 19190	143
2152	3D macroporous graphene frameworks for supercapacitors with high energy and power densities. <b>2012</b> , 6, 4020-8	1082
2151	Incorporation of MnO <sub>2</sub> -coated carbon nanotubes between graphene sheets as supercapacitor electrode. <b>2012</b> , 4, 1058-64	299
2150	Polyaniline-grafted reduced graphene oxide for efficient electrochemical supercapacitors. <b>2012</b> , 6, 1715-23	724

2149	Porous Hydroxide Nanosheets on Preformed Nanowires by Electrodeposition: Branched Nanoarrays for Electrochemical Energy Storage. <b>2012</b> , 24, 3793-3799	192
2148	Nanostructured high-energy cathode materials for advanced lithium batteries. <b>2012</b> , 11, 942-7	781
2147	Evaporation-induced, close-packed silica nanoparticle-embedded nonwoven composite separator membranes for high-voltage/high-rate lithium-ion batteries: Advantageous effect of highly percolated, electrolyte-philic microporous architecture. <b>2012</b> , 415-416, 513-519	75
2146	Graphene/metal oxide composite electrode materials for energy storage. <b>2012</b> , 1, 107-131	1507
2145	A novel solution combustion synthesis of cobalt oxide nanoparticles as negative-electrode materials for lithium ion batteries. <b>2012</b> , 513, 592-596	49
2144	Functional properties of electrospun NiO/RuO <sub>2</sub> composite carbon nanofibers. <b>2012</b> , 517, 69-74	90
2143	Co <sub>3</sub> O <sub>4</sub> nanowires as high capacity anode materials for lithium ion batteries. <b>2012</b> , 521, 95-100	92
2142	Tailoring CuO nanostructures for enhanced photocatalytic property. <b>2012</b> , 384, 1-9	135
2141	Enhanced activity of microwave synthesized hierarchical MnO <sub>2</sub> for high performance supercapacitor applications. <b>2012</b> , 215, 317-328	122
2140	Evaporation-induced self-assembled silica colloidal particle-assisted nanoporous structural evolution of poly(ethylene terephthalate) nonwoven composite separators for high-safety/high-rate lithium-ion batteries. <b>2012</b> , 216, 42-47	56
2139	Hydrothermal-synthesized Co(OH) <sub>2</sub> nanocone arrays for supercapacitor application. <b>2012</b> , 216, 395-399	86
2138	Effect of doping LiMn <sub>2</sub> O <sub>4</sub> spinel with a tetravalent species such as Si(IV) versus with a trivalent species such as Ga(III). Electrochemical, magnetic and ESR study. <b>2012</b> , 216, 482-488	35
2137	Free-standing and porous hierarchical nanoarchitectures constructed with cobalt cobaltite nanowalls for supercapacitors with high specific capacitances. <b>2012</b> , 219, 140-146	82
2136	Synthesis of microporous carbon nanotubes by templating method and their high electrochemical performance. <b>2012</b> , 78, 147-153	13
2135	Graphene-based electrodes. <i>Advanced Materials</i> , <b>2012</b> , 24, 5979-6004	24 756
2134	Recent advances in metal oxide-based electrode architecture design for electrochemical energy storage. <i>Advanced Materials</i> , <b>2012</b> , 24, 5166-80	24 2029
2133	Facile shape control of Co <sub>3</sub> O <sub>4</sub> and the effect of the crystal plane on electrochemical performance. <i>Advanced Materials</i> , <b>2012</b> , 24, 5762-6	24 336
2132	Oxygen Deficient Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> for High-rate Lithium Storage. <b>2012</b> , 59, 1201-1205	8

2131	Preparation and Enhanced Electrochemical Performance of MnO <sub>2</sub> Nanosheets for Supercapacitors. <b>2012</b> , 59, 1275-1279	7
2130	Preparation of Poly(sodium-4-styrene sulfonate) Functionalized Graphene/Manganese Dioxide Composites for Supercapacitor Application with Superior Cycling Stability. <b>2012</b> , 59, 1351-1356	3
2129	Direct growth of vertically aligned single-walled carbon nanotubes on conducting substrate and its electrochemical performance in ionic liquids. <b>2012</b> , 209, 2260-2266	22
2128	Graphene nanostructures toward clean energy technology applications. <b>2012</b> , 1, 317-336	29
2127	Effect of pore characteristics on electrochemical capacitance of activated carbons. <b>2012</b> , 48, 1179-1186	3
2126	DNA-directed growth of FePO <sub>4</sub> nanostructures on carbon nanotubes to achieve nearly 100% theoretical capacity for lithium-ion batteries. <b>2012</b> , 5, 6919	65
2125	Electrochemically active nitrogen-enriched nanocarbons with well-defined morphology synthesized by pyrolysis of self-assembled block copolymer. <b>2012</b> , 134, 14846-57	327
2124	Oxygen bridges between NiO nanosheets and graphene for improvement of lithium storage. <b>2012</b> , 6, 3214-23	866
2123	A "skeleton/skin" strategy for preparing ultrathin free-standing single-walled carbon nanotube/polyaniline films for high performance supercapacitor electrodes. <b>2012</b> , 5, 8726	282
2122	Nanoporous carbons through direct carbonization of a zeolitic imidazolate framework for supercapacitor electrodes. <b>2012</b> , 48, 7259-61	559
2121	Nickel Cobalt Oxide-Single Wall Carbon Nanotube Composite Material for Superior Cycling Stability and High-Performance Supercapacitor Application. <b>2012</b> , 116, 12448-12454	270
2120	Porous V <sub>2</sub> O <sub>5</sub> micro/nano-tubes: Synthesis via a CVD route, single-tube-based humidity sensor and improved Li-ion storage properties. <b>2012</b> , 22, 5013	67
2119	Electrochemical Supercapacitors. <b>2012</b> , 317-382	10
2118	Two dimensional graphene/S <sub>2</sub> hybrids with superior rate capability for lithium ion storage. <b>2012</b> , 5, 5226-5230	357
2117	High pseudocapacitive cobalt carbonate hydroxide films derived from CoAl layered double hydroxides. <b>2012</b> , 4, 3640-3	131
2116	Interfacial Synthesis and Supercapacitive Performance of Hierarchical Sulfonated Carbon Nanotubes/Polyaniline Nanocomposites. <b>2012</b> , 51, 3981-3987	33
2115	High performance of a solid-state flexible asymmetric supercapacitor based on graphene films. <b>2012</b> , 4, 4983-8	285
2114	A Vapor-Phase Corrosion Strategy to Hierarchically Mesoporous Nanosheet-Assembled Gearlike Pillar Arrays for Super-Performance Lithium Storage. <b>2012</b> , 116, 21224-21231	20

2113	Towards the upper bound of electrochemical performance of ACNT@polyaniline arrays as supercapacitors. <b>2012</b> , 5, 5833-5841	72
2112	Graphene/SnO <sub>2</sub> /polypyrrole ternary nanocomposites as supercapacitor electrode materials. <b>2012</b> , 2, 10268	164
2111	Facile ultrasonic synthesis of CoO quantum dot/graphene nanosheet composites with high lithium storage capacity. <b>2012</b> , 6, 1074-81	440
2110	Porous polypyrrole clusters prepared by electropolymerization for a high performance supercapacitor. <b>2012</b> , 22, 3044	356
2109	Reduced-graphene oxide/molybdenum oxide/polyaniline ternary composite for high energy density supercapacitors: Synthesis and properties. <b>2012</b> , 22, 8314	145
2108	Fe <sub>2</sub> O <sub>3</sub> nanotubes-reduced graphene oxide composites as synergistic electrochemical capacitor materials. <b>2012</b> , 4, 2958-61	237
2107	Ultrasonic synthesis of CoO/graphene nanohybrids as high performance anode materials for lithium-ion batteries. <b>2012</b> , 22, 2517-2522	22
2106	NiB nanoparticles: A new nickel-based catalyst for hydrogen storage properties of MgH <sub>2</sub> . <b>2012</b> , 37, 17111-17117	17
2105	Confined LiBH <sub>4</sub> : Enabling fast hydrogen release at ~100°C. <b>2012</b> , 37, 18920-18926	38
2104	Morphology control and thermal stability of binderless-graphene aerogels from graphite for energy storage applications. <b>2012</b> , 414, 352-358	68
2103	Composition ratio-dependent structural evolution of SiO <sub>2</sub> /poly(vinylidene fluoride-hexafluoropropylene)-coated poly(ethylene terephthalate) nonwoven composite separators for lithium-ion batteries. <b>2012</b> , 86, 317-322	58
2102	High-voltage cell performance and thermal stability of nanoarchitected polyimide gel polymer electrolyte-coated LiCoO <sub>2</sub> cathode materials. <b>2012</b> , 86, 346-351	25
2101	Rectangular microscale carbon tubes with protuberant wall for high-rate electrochemical capacitors. <b>2012</b> , 80, 34-40	8
2100	Preparation of halogen-free flame retardant hybrid paraffin composites as thermal energy storage materials by in-situ sol-gel process. <b>2012</b> , 107, 13-19	18
2099	Low-temperature, catalyst-free vapor-solid growth of ultralong ZnO nanowires. <b>2012</b> , 136, 455-459	4
2098	Superwetting monolithic carbon with hierarchical structure as supercapacitor materials. <b>2012</b> , 163, 249-258	25
2097	Aromatic sulfide, sulfoxide, and sulfone mediated mesoporous carbon monolith for use in supercapacitor. <b>2012</b> , 1, 624-630	248
2096	Designing nanostructured Si anodes for high energy lithium ion batteries. <b>2012</b> , 7, 414-429	1543

2095	High-performance three-dimensional nanoporous NiO film as a supercapacitor electrode. <b>2012</b> , 22, 11062	250
2094	Preparation of nano-networks of MnO <sub>2</sub> shell/Ni current collector core for high-performance supercapacitor electrodes. <b>2012</b> , 22, 483-487	83
2093	Hierarchical Co <sub>3</sub> O <sub>4</sub> nanosheet@nanowire arrays with enhanced pseudocapacitive performance. <b>2012</b> , 2, 1663-1668	103
2092	A sol-gel process for fabrication of NiO/NiCo <sub>2</sub> O <sub>4</sub> /Co <sub>3</sub> O <sub>4</sub> composite with improved electrochemical behavior for electrochemical capacitors. <b>2012</b> , 4, 4631-6	182
2091	Hydrothermal process for the fabrication of CoMoO <sub>4</sub> ·0.9H <sub>2</sub> O nanorods with excellent electrochemical behavior. <b>2012</b> , 36, 1713	93
2090	Hybrid polythiophene@layer exfoliated nanocomposites for ultracapacitor devices. <b>2012</b> , 22, 13110	49
2089	Topotactically synthesized ultralong LiV <sub>3</sub> O <sub>8</sub> nanowire cathode materials for high-rate and long-life rechargeable lithium batteries. <b>2012</b> , 4, e20-e20	84
2088	A comprehensive study on KOH activation of ordered mesoporous carbons and their supercapacitor application. <b>2012</b> , 22, 93-99	299
2087	Co <sub>3</sub> S <sub>4</sub> hollow nanospheres grown on graphene as advanced electrode materials for supercapacitors. <b>2012</b> , 22, 21387	262
2086	Terephthalonitrile-derived nitrogen-rich networks for high performance supercapacitors. <b>2012</b> , 5, 9747	154
2085	Ultrasound-assisted synthesis of mesoporous Ni(OH) <sub>2</sub> and NiO nano-sheets using ionic liquids. <b>2012</b> , 22, 18252	60
2084	Highly porous chemically modified carbon cryogels and their coherent nanocomposites for energy applications. <b>2012</b> , 5, 5619-5637	61
2083	Highly durable SiOC composite anode prepared by electrodeposition for lithium secondary batteries. <b>2012</b> , 5, 6500	87
2082	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
2081	Freestanding Co <sub>3</sub> O <sub>4</sub> nanowire array for high performance supercapacitors. <b>2012</b> , 2, 1835	366
2080	Porous nickel oxide nanospindles with huge specific capacitance and long-life cycle. <b>2012</b> , 2, 2257	72
2079	Template-free approach to synthesize hierarchical porous nickel cobalt oxides for supercapacitors. <b>2012</b> , 4, 6786-91	90
2078	(N,F)-Co-doped TiO <sub>2</sub> : synthesis, anatase→rutile conversion and Li-cycling properties. <b>2012</b> , 14, 978-986	50

2077	High performance lithium-ion cells using one dimensional electrospun TiO <sub>2</sub> nanofibers with spinel cathode. <b>2012</b> , 2, 7983	38
2076	Three-dimensional tubular arrays of MnO <sub>2</sub> @NiO nanoflakes with high areal pseudocapitance. <b>2012</b> , 22, 2419-2426	382
2075	Synthesis of bamboo-structured carbon nanotubes and honeycomb carbons with long-cycle Li-storage performance by in situ generated zinc oxide. <b>2012</b> , 50, 4787-4793	15
2074	High pseudocapitance material prepared via in situ growth of Ni(OH) <sub>2</sub> nanoflakes on reduced graphene oxide. <b>2012</b> , 22, 11146	60
2073	Gassing in Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> -based batteries and its remedy. <b>2012</b> , 2, 913	238
2072	Structure and compositional control of MoO <sub>3</sub> hybrids assembled by nanoribbons for improved pseudocapacitor rate and cycle performance. <b>2012</b> , 4, 7855-60	29
2071	Dodecyl sulfate-induced fast faradic process in nickel cobalt oxide@reduced graphite oxide composite material and its application for asymmetric supercapacitor device. <b>2012</b> , 22, 23114	297
2070	Controllable synthesis of porous nickel@cobalt oxide nanosheets for supercapacitors. <b>2012</b> , 22, 13357	188
2069	Monolithic Carbons with Tailored Crystallinity and Porous Structure as Lithium-Ion Anodes for Fundamental Understanding Their Rate Performance and Cycle Stability. <b>2012</b> , 116, 10303-10311	38
2068	Surfactant-free fabrication of CaTiO <sub>3</sub> butterfly-like dendrite via a simple one-step hydrothermal route. <b>2012</b> , 14, 6990	31
2067	One-step electrochemical preparation of graphene-based heterostructures for Li storage. <b>2012</b> , 22, 8455	67
2066	MnO <sub>2</sub> /onion-like carbon nanocomposites for pseudocapacitors. <b>2012</b> , 22, 17584	82
2065	3D anatase TiO <sub>2</sub> hollow microspheres assembled with high-energy {001} facets for lithium-ion batteries. <b>2012</b> , 2, 7901	44
2064	Facile and economical synthesis of hierarchical carbon-coated magnetite nanocomposite particles and their applications in lithium ion battery anodes. <b>2012</b> , 5, 9528	109
2063	Structure and Dynamics of an Ionic Liquid Confined Inside a Charged Slit Graphitic Nanopore. <b>2012</b> , 116, 14504-14513	54
2062	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
2061	Free-standing graphene on microstructured silicon vertices for enhanced field emission properties. <b>2012</b> , 4, 3069-74	56
2060	Large Volume Collapse during Pressure-Induced Phase Transition in Lithium Amide. <b>2012</b> , 116, 9744-9749	29



2059	Visible light-driven organic form-stable phase change materials for solar energy storage. <b>2012</b> , 2, 5964	36
2058	Controlled synthesis of carbon-coated cobalt sulfide nanostructures in oil phase with enhanced li storage performances. <b>2012</b> , 4, 2999-3006	125
2057	SnS <sub>2</sub> nanoparticle loaded graphene nanocomposites for superior energy storage. <b>2012</b> , 14, 6981-6	67
2056	Ultrathin MnO <sub>2</sub> nanofibers grown on graphitic carbon spheres as high-performance asymmetric supercapacitor electrodes. <b>2012</b> , 22, 153-160	503
2055	Flexible energy storage devices based on lift-off of CNT films. <b>2012</b> ,	3
2054	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
2053	Chemical approaches toward graphene-based nanomaterials and their applications in energy-related areas. <b>2012</b> , 8, 630-46	335
2052	Hollow porous LiMn <sub>2</sub> O <sub>4</sub> microcubes as rechargeable lithium battery cathode with high electrochemical performance. <b>2012</b> , 8, 858-62	62
2051	Design and preparation of porous polymers. <b>2012</b> , 112, 3959-4015	1282
2050	Graphene-based composites. <b>2012</b> , 41, 666-86	3116
2049	Controlled Synthesis and Energy Applications of One-Dimensional Conducting Polymer Nanostructures: An Overview. <b>2012</b> , 2, 179-218	284
2048	Laser scribing of high-performance and flexible graphene-based electrochemical capacitors. <b>2012</b> , 335, 1326-30	3197
2047	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
2046	Synthesis of nitrogen-doped porous carbon nanofibers as an efficient electrode material for supercapacitors. <b>2012</b> , 6, 7092-102	1422
2045	Nitrogen-doped graphene with high nitrogen level via a one-step hydrothermal reaction of graphene oxide with urea for superior capacitive energy storage. <b>2012</b> , 2, 4498	604
2044	A LiF Nanoparticle-Modified Graphene Electrode for High-Power and High-Energy Lithium Ion Batteries. <b>2012</b> , 22, 3290-3297	60
2043	Functionalization of reduced graphene oxides by redox-active ionic liquids for energy storage. <b>2012</b> ,	14
2042	Effect of stabilization of the electrospun polyacrylonitrile fibers on electromagnetic properties of carbon fibers. <b>2012</b> , 57, 30402	0

2041	Hollow carbon cage with nanocapsules of graphitic shell/nickel core as an anode material for high rate lithium ion batteries. <b>2012</b> , 22, 11252		64
2040	Electrochemical Lithiation of Graphene-Supported Silicon and Germanium for Rechargeable Batteries. <b>2012</b> , 116, 11917-11923		83
2039	A novel ion-conductive protection skin based on polyimide gel polymer electrolyte: application to nanoscale coating layer of high voltage LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> cathode materials for lithium-ion batteries. <b>2012</b> , 22, 12574		65
2038	An overview of the applications of graphene-based materials in supercapacitors. <b>2012</b> , 8, 1805-34		1082
2037	Advanced Asymmetric Supercapacitors Based on Ni(OH) <sub>2</sub> /Graphene and Porous Graphene Electrodes with High Energy Density. <b>2012</b> , 22, 2632-2641		1668
2036	3D Hierarchical Co <sub>3</sub> O <sub>4</sub> Twin-Spheres with an Urchin-Like Structure: Large-Scale Synthesis, Multistep-Splitting Growth, and Electrochemical Pseudocapacitors. <b>2012</b> , 22, 4052-4059		273
2035	Hierarchically Structured Porous Materials for Energy Conversion and Storage. <b>2012</b> , 22, 4634-4667		697
2034	Nanoporous walls on macroporous foam: rational design of electrodes to push areal pseudocapacitance. <i>Advanced Materials</i> , <b>2012</b> , 24, 4186-90	24	222
2033	Hybrid nanostructures for energy storage applications. <i>Advanced Materials</i> , <b>2012</b> , 24, 5045-64	24	408
2032	Mesoporous carbon incorporated metal oxide nanomaterials as supercapacitor electrodes. <i>Advanced Materials</i> , <b>2012</b> , 24, 4197-202	24	501
2031	Graphene-confined Sn nanosheets with enhanced lithium storage capability. <i>Advanced Materials</i> , <b>2012</b> , 24, 3538-43	24	254
2030	Templated nanocarbons for energy storage. <i>Advanced Materials</i> , <b>2012</b> , 24, 4473-98	24	588
2029	Three-dimensional nitrogen and boron co-doped graphene for high-performance all-solid-state supercapacitors. <i>Advanced Materials</i> , <b>2012</b> , 24, 5130-5	24	1164
2028	Three-Dimensional Porous Core-Shell Sn@Carbon Composite Anodes for High-Performance Lithium-Ion Battery Applications. <b>2012</b> , 2, 238-244		204
2027	Carbonized Chicken Eggshell Membranes with 3D Architectures as High-Performance Electrode Materials for Supercapacitors. <b>2012</b> , 2, 431-437		510
2026	Recent Progress in Non-Precious Catalysts for Metal-Air Batteries. <b>2012</b> , 2, 816-829		570
2025	The Current Move of Lithium Ion Batteries Towards the Next Phase. <b>2012</b> , 2, 860-872		512
2024	Core-Shell Structure of Polypyrrole Grown on V <sub>2</sub> O <sub>5</sub> Nanoribbon as High Performance Anode Material for Supercapacitors. <b>2012</b> , 2, 950-955		434

2023	How Many Lithium Ions Can Be Inserted onto Fused C6 Aromatic Ring Systems?. <b>2012</b> , 124, 5237-5241	48
2022	How many lithium ions can be inserted onto fused C6 aromatic ring systems?. <b>2012</b> , 51, 5147-51	214
2021	One-step solvothermal synthesis of single-crystalline TiOF <sub>2</sub> nanotubes with high lithium-ion battery performance. <b>2012</b> , 18, 4026-30	30
2020	Fabrication of High Energy-Density Hybrid Supercapacitors Using Electrospun V <sub>2</sub> O <sub>5</sub> Nanofibers with a Self-Supported Carbon Nanotube Network. <b>2012</b> , 77, 570-575	115
2019	Controlling size, amount, and crystalline structure of nanoparticles deposited on graphenes for highly efficient energy conversion and storage. <b>2012</b> , 5, 709-15	28
2018	On the configuration of supercapacitors for maximizing electrochemical performance. <b>2012</b> , 5, 818-41	359
2017	Three-dimensional hierarchically ordered porous carbons with partially graphitic nanostructures for electrochemical capacitive energy storage. <b>2012</b> , 5, 563-71	132
2016	Chemically derived graphene-metal oxide hybrids as electrodes for electrochemical energy storage: pre-graphenization or post-graphenization?. <b>2012</b> , 22, 13947	37
2015	Hierarchically aminated graphene honeycombs for electrochemical capacitive energy storage. <b>2012</b> , 22, 14076	239
2014	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
2013	One-step hydrothermal synthesis of ZnFe <sub>2</sub> O <sub>4</sub> nano-octahedrons as a high capacity anode material for Li-ion batteries. <b>2012</b> , 5, 477-485	224
2012	Structural evolution during annealing of thermally reduced graphene nanosheets for application in supercapacitors. <b>2012</b> , 50, 3572-3584	312
2011	The effect of reduction time on the surface functional groups and supercapacitive performance of graphene nanosheets. <b>2012</b> , 50, 3724-3730	59
2010	Influence of sintering temperature on energy storage properties of BaTiO <sub>3</sub> (Sr <sub>1-x</sub> Bix) TiO <sub>3</sub> ceramics. <b>2012</b> , 38, 4765-4770	26
2009	Facile synthesis of nanostructured Ni(OH) <sub>2</sub> on nickel foam and its electrochemical property. <b>2012</b> , 396, 292-298	36
2008	Direct synthesis of MgH <sub>2</sub> nanofibers from waste Mg. <b>2012</b> , 37, 8379-8387	12
2007	Graphene materials preparation methods have dramatic influence upon their capacitance. <b>2012</b> , 14, 5-8	88
2006	Hierarchically porous Co <sub>3</sub> O <sub>4</sub> film prepared by hydrothermal synthesis method based on colloidal crystal template for supercapacitor application. <b>2012</b> , 64, 154-161	103

2005	Nanoarchitected current collector for high rate capability of polyaniline based supercapacitor electrode. <b>2012</b> , 65, 190-195	94
2004	Synthesis of reduced graphene nanosheet/urchin-like manganese dioxide composite and high performance as supercapacitor electrode. <b>2012</b> , 69, 112-119	130
2003	Synthesis of zinc oxide particles coated multiwalled carbon nanotubes: Dielectric properties, electromagnetic interference shielding and microwave absorption. <b>2012</b> , 47, 1747-1754	108
2002	Template-directed preparation of two-layer porous NiO film via hydrothermal synthesis for lithium ion batteries. <b>2012</b> , 47, 1987-1990	24
2001	Assessment of utility energy storage options for increased renewable energy penetration. <b>2012</b> , 16, 4141-4147	382
2000	Three-dimensional bicontinuous nanoporous Au/polyaniline hybrid films for high-performance electrochemical supercapacitors. <b>2012</b> , 197, 325-329	93
1999	Binder free, porous and nanostructured Co <sub>3</sub> O <sub>4</sub> anode for Li-ion batteries from solution precursor plasma deposition. <b>2012</b> , 199, 270-277	55
1998	Enhanced high-current capacitive behavior of graphene/CoAl-layered double hydroxide composites as electrode material for supercapacitors. <b>2012</b> , 199, 395-401	175
1997	Novel Pr <sub>0.6</sub> Sr <sub>0.4</sub> Fe <sub>0.8</sub> Co <sub>0.2</sub> O <sub>3</sub> :Ce <sub>0.8</sub> Sm <sub>0.2</sub> O <sub>2</sub> composite nanotubes for energy conversion and storage. <b>2012</b> , 201, 332-339	14
1996	Cathodes comprising Li <sub>2</sub> MnSiO <sub>4</sub> nanoparticles dispersed in the mesoporous carbon frameworks, CMK-3 and CMK-8. <b>2012</b> , 155, 99-105	24
1995	Naphthalene-based periodic nanoporous organosilicas: II. Hydrogen and methane adsorption and physicochemical study. <b>2012</b> , 158, 332-338	11
1994	Thermodynamics study of hydrogen storage materials. <b>2012</b> , 46, 86-93	23
1993	Selective crystallization with preferred lithium-ion storage capability of inorganic materials. <b>2012</b> , 7, 149	30
1992	Hierarchical Nanocomposites Derived from Nanocarbons and Layered Double Hydroxides - Properties, Synthesis, and Applications. <b>2012</b> , 22, 675-694	477
1991	WO <sub>3</sub> @Au@MnO <sub>2</sub> core-shell nanowires on carbon fabric for high-performance flexible supercapacitors. <i>Advanced Materials</i> , <b>2012</b> , 24, 938-44	24 592
1990	Freestanding single-walled carbon nanotube bundle networks: Fabrication, properties and composites. <b>2012</b> , 57, 205-224	23
1989	Sponge-like Ni(OH) <sub>2</sub> nanoparticles: synthesis, characterization and electrochemical properties. <b>2012</b> , 47, 3817-3821	19
1988	Cellulose nanofibers/multi-walled carbon nanotube nanohybrid aerogel for all-solid-state flexible supercapacitors. <b>2013</b> , 3, 15058	100

1987	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
1986	Self-assembly to monolayer graphene film with high electrical conductivity. <b>2013</b> , 22, 52-57	13
1985	Watermelon used as a novel carbon source to improve the rate performance of iron oxide electrodes for lithium ion batteries. <b>2013</b> , 102, 306-311	14
1984	Synthesis of graphene@NiFe <sub>2</sub> O <sub>4</sub> nanocomposites and their electrochemical capacitive behavior. <b>2013</b> , 1, 6393	141
1983	Managing voids of Si anodes in lithium ion batteries. <b>2013</b> , 5, 8864-73	49
1982	Highly sensitive SERS detection of Hg <sup>2+</sup> ions in aqueous media using gold nanoparticles/graphene heterojunctions. <b>2013</b> , 5, 7072-8	138
1981	Scalable synthesis of Fe <sub>3</sub> O <sub>4</sub> nanoparticles anchored on graphene as a high-performance anode for lithium ion batteries. <b>2013</b> , 201, 330-337	38
1980	Ni(OH) <sub>2</sub> nanosheet @ Fe <sub>2</sub> O <sub>3</sub> nanowire hybrid composite arrays for high-performance supercapacitor electrodes. <b>2013</b> , 2, 754-763	148
1979	Three-dimensional Sn-graphene anode for high-performance lithium-ion batteries. <b>2013</b> , 5, 10599-604	128
1978	Porous Co <sub>3</sub> O <sub>4</sub> nanorods as superior electrode material for supercapacitors and rechargeable Li-ion batteries. <b>2013</b> , 43, 995-1003	32
1977	Hydrothermal and soft-templating synthesis of mesoporous NiCo <sub>2</sub> O <sub>4</sub> nanomaterials for high-performance electrochemical capacitors. <b>2013</b> , 43, 903-910	32
1976	Graphene-encapsulated Si on ultrathin-graphite foam as anode for high capacity lithium-ion batteries. <i>Advanced Materials</i> , <b>2013</b> , 25, 4673-7	24 291
1975	Surface engineering of sponge-like silicon particles for high-performance lithium-ion battery anodes. <b>2013</b> , 15, 7045-9	23
1974	Sn/carbon nanotube composite anode with improved cycle performance for lithium-ion battery. <b>2013</b> , 19, 1341-1347	14
1973	One-pot synthesis and electrochemical property of MnO/C hybrid microspheres. <b>2013</b> , 19, 595-600	10
1972	Hydrothermal synthesis of porous Co(OH) <sub>2</sub> nanoflake array film and its supercapacitor application. <b>2013</b> , 36, 239-244	13
1971	Facile fabrication of mesoporous manganese oxides as advanced electrode materials for supercapacitors. <b>2013</b> , 17, 2579-2588	11
1970	Combustion-synthesized sodium manganese (cobalt) oxides as cathodes for sodium ion batteries. <b>2013</b> , 17, 1923-1929	34

1969	Synthesis of Li <sub>2</sub> FeSiO <sub>4</sub> /C and its excellent performance in aqueous lithium-ion batteries. <b>2013</b> , 1, 10912	16
1968	Porous tubular carbon nanorods with excellent electrochemical properties. <b>2013</b> , 1, 12198	44
1967	Nanostructured electrodes for high-performance pseudocapacitors. <b>2013</b> , 52, 1882-9	431
1966	Graphene-Based Architecture and Assemblies. <b>2013</b> , 153-182	1
1965	A coaxial single fibre supercapacitor for energy storage. <b>2013</b> , 15, 12215-9	84
1964	High-performance flexible supercapacitor electrodes based on Te nanowire arrays. <b>2013</b> , 1, 10024	32
1963	Novel sensible thermal storage material from natural minerals. <b>2013</b> , 40, 681-689	17
1962	High-performance asymmetric supercapacitor based on nanoarchitected polyaniline/graphene/carbon nanotube and activated graphene electrodes. <b>2013</b> , 5, 8467-76	217
1961	Preparation of C/Ni@NiO composite nanofibers for anode materials in lithium-ion batteries. <b>2013</b> , 113, 683-692	19
1960	Supercapacitor performance of hollow carbon spheres by direct pyrolysis of melamine-formaldehyde resin spheres. <b>2013</b> , 29, 735-742	13
1959	Catenated Phosphorus Compounds. <b>2013</b> , 119-149	7
1958	Morphology-controlled synthesis of Co <sub>3</sub> O <sub>4</sub> porous nanostructures for the application as lithium-ion battery electrode. <b>2013</b> , 89, 199-205	85
1957	Adsorption in Metal-Organic Frameworks. <b>2013</b> , 989-1006	3
1956	Carbon nanomaterials supported Ni(OH) <sub>2</sub> /NiO hybrid flower structure for supercapacitor. <b>2013</b> , 109, 370-380	89
1955	Restacking-inhibited 3D reduced graphene oxide for high performance supercapacitor electrodes. <b>2013</b> , 7, 9366-74	343
1954	Effect of Si(IV) substitution on electrochemical, magnetic and spectroscopic performance of nanosized LiMn <sub>2</sub> SixO <sub>4</sub> . <b>2013</b> , 1, 10857	14
1953	Synthesis of a novel carbon network-supported Fe <sub>3</sub> O <sub>4</sub> @C composite and its applications in high-power lithium-ion batteries. <b>2013</b> , 111, 809-813	13
1952	Electrochemical performance of graphene and copper oxide composites synthesized from a metal-organic framework (Cu-MOF). <b>2013</b> , 3, 19051	39

1951	High-energy-density nonaqueous MnO <sub>2</sub> @nanoporous gold based supercapacitors. <b>2013</b> , 1, 9202	78
1950	Energy absorption ability of buckyball C720 at low impact speed: a numerical study based on molecular dynamics. <b>2013</b> , 8, 54	7
1949	An investigation of spinel NiCo <sub>2</sub> O <sub>4</sub> as anode for Na-ion capacitors. <b>2013</b> , 114, 726-735	123
1948	A comparative study on electrochemical performances of the electrodes with different nanocarbon conductive additives for lithium ion batteries. <b>2013</b> , 142, 345-349	18
1947	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
1946	Electrochemical performance of carbon/Ni composite fibers from electrospinning as anode material for lithium ion batteries. <b>2013</b> , 1, 1368-1373	49
1945	Dynamic electrosorption analysis as an effective means to characterise the structure of bulk graphene assemblies. <b>2013</b> , 19, 3082-9	16
1944	Fe-doped Mn <sub>x</sub> O <sub>y</sub> with hierarchical porosity as a high-performance lithium-ion battery anode. <i>Advanced Materials</i> , <b>2013</b> , 25, 4646-52	24 112
1943	Controlled fabrication of PANI/CNF hybrid films: molecular interaction induced various micromorphologies and electrochemical properties. <b>2013</b> , 411, 204-12	31
1942	Graphene/polypyrrole intercalating nanocomposites as supercapacitors electrode. <b>2013</b> , 112, 44-52	193
1941	In situ formed Si nanoparticle network with micron-sized Si particles for lithium-ion battery anodes. <b>2013</b> , 13, 5397-402	77
1940	Thickness-tunable polyimide nanoencapsulating layers and their influence on cell performance/thermal stability of high-voltage LiCoO <sub>2</sub> cathode materials for lithium-ion batteries. <b>2013</b> , 244, 442-449	15
1939	Improved activity of a graphene@TiO <sub>2</sub> hybrid electrode in an electrochemical supercapacitor. <b>2013</b> , 63, 434-445	234
1938	Morphology-controlled fabrication of hierarchical mesoporous NiCo <sub>2</sub> O <sub>4</sub> micro-/nanostructures and their intriguing application in electrochemical capacitors. <b>2013</b> , 3, 23709	19
1937	Hierarchical hollow spheres of Fe <sub>2</sub> O <sub>3</sub> @polyaniline for lithium ion battery anodes. <i>Advanced Materials</i> , <b>2013</b> , 25, 6250-5	24 283
1936	Stacked multilayers of alternating reduced graphene oxide and carbon nanotubes for planar supercapacitors. <b>2013</b> , 5, 11577-81	23
1935	Facile synthesis of mesoporous MnO <sub>2</sub> microspheres for high performance AC//MnO <sub>2</sub> aqueous hybrid supercapacitors. <b>2013</b> , 108, 497-505	71
1934	Sustainable urban rail systems: Strategies and technologies for optimal management of regenerative braking energy. <b>2013</b> , 75, 374-388	249

1933	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
1932	Supercapacitors based on graphene-supported iron nanosheets as negative electrode materials. <b>2013</b> , 7, 11325-32	160
1931	Electrospun three-dimensional mesoporous silicon nanofibers as an anode material for high-performance lithium secondary batteries. <b>2013</b> , 5, 12005-10	74
1930	Self diffusion and heat capacity of n-alkanes based phase change materials: A molecular dynamics study. <b>2013</b> , 64, 581-589	37
1929	Liquid-mediated dense integration of graphene materials for compact capacitive energy storage. <b>2013</b> , 341, 534-7	1473
1928	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
1927	Nickel nanowire network coating to alleviate interfacial polarization for Na-beta battery applications. <b>2013</b> , 240, 786-795	18
1926	Core-leaf onion-like carbon/MnO <sub>2</sub> hybrid nano-urchins for rechargeable lithium-ion batteries. <b>2013</b> , 64, 230-236	84
1925	Nitrogen-doped carbon based on peptides of hair as electrode materials for supercapacitors. <b>2013</b> , 113, 620-627	44
1924	Influence of pore structures on the electrochemical performance of asphaltene-based ordered mesoporous carbons. <b>2013</b> , 174, 67-73	28
1923	Porous hexagonal NiCo <sub>2</sub> O <sub>4</sub> nanoplates as electrode materials for supercapacitors. <b>2013</b> , 106, 226-234	153
1922	Metal oxide and hydroxide nanoarrays: Hydrothermal synthesis and applications as supercapacitors and nanocatalysts. <b>2013</b> , 23, 351-366	145
1921	High-performance solid-state supercapacitors based on graphene-ZnO hybrid nanocomposites. <b>2013</b> , 8, 473	129
1920	Graphene-based nanocomposites: preparation, functionalization, and energy and environmental applications. <b>2013</b> , 6, 3483	422
1919	Facile synthesis and superior supercapacitor performances of Ni <sub>2</sub> P/rGO nanoparticles. <b>2013</b> , 3, 4628	128
1918	Diagnosing nanoelectronic components using coherent electrons. <b>2013</b> , 13, 4815-9	3
1917	Graphene-based in-plane micro-supercapacitors with high power and energy densities. <b>2013</b> , 4, 2487	948
1916	Synthesis of micro-assembled Si/titanium silicide nanotube anodes for high-performance lithium-ion batteries. <b>2013</b> , 1, 10617	23



1915	Selenium@mesoporous carbon composite with superior lithium and sodium storage capacity. <b>2013</b> , 7, 8003-10		335
1914	Binder-free three-dimensional silicon/carbon nanowire networks for high performance lithium-ion battery anodes. <b>2013</b> , 2, 943-950		37
1913	Reduced graphene oxide/nickel cobaltite nanoflake composites for high specific capacitance supercapacitors. <b>2013</b> , 111, 937-945		89
1912	Hierarchically structured materials for lithium batteries. <b>2013</b> , 24, 424004		29
1911	Site-specific carbon deposition for hierarchically ordered core/shell-structured graphitic carbon with remarkable electrochemical performance. <b>2013</b> , 6, 1938-44		12
1910	Synthesis and electrochemical properties of MnO <sub>2</sub> nanorods/graphene composites for supercapacitor applications. <b>2013</b> , 111, 707-712		135
1909	Hierarchical porous graphene/polyaniline composite film with superior rate performance for flexible supercapacitors. <i>Advanced Materials</i> , <b>2013</b> , 25, 6985-90	24	434
1908	High capacitive performance of flexible and binder-free graphene-polypyrrole composite membrane based on in situ reduction of graphene oxide and self-assembly. <b>2013</b> , 5, 9860-6		82
1907	High-strength carbon nanotube buckypaper composites as applied to free-standing electrodes for supercapacitors. <b>2013</b> , 1, 4057		69
1906	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
1905	Low fractions of ionic liquid or poly(ionic liquid) can activate polysaccharide biomass into shaped, flexible and fire-retardant porous carbons. <b>2013</b> , 1, 11887		45
1904	Synthesis and capacitive performance of two-dimensional sandwich-like graphene/nitrogen-doped carbon nanoparticle composites with tunable textural parameters and nitrogen content. <b>2013</b> , 37, 4148		11
1903	Carbon-coated mesoporous NiO nanoparticles as an electrode material for high performance electrochemical capacitors. <b>2013</b> , 37, 4031		39
1902	Doppelschichtkondensatoren mit höherem Energieinhalt. <b>2013</b> , 8, 170-175		
1901	Double-layer Capacitors with a Higher Energy Density. <b>2013</b> , 8, 4-7		
1900	Graphene-Based Carbon Materials for Electrochemical Energy Storage. <b>2013</b> , 2013, 1-11		18
1899	In situ polydopamine coating-directed synthesis of nitrogen-doped ordered nanoporous carbons with superior performance in supercapacitors. <b>2013</b> , 1, 15207		67
1898	Highly entangled carbon nanoflakes on Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> microrods for improved lithium storage performance. <b>2013</b> , 3, 1297-1301		32

1897	Mesoporous anatase TiO <sub>2</sub> submicrospheres embedded in self-assembled three-dimensional reduced graphene oxide networks for enhanced lithium storage. <b>2013</b> , 1, 12750	64
1896	Facile synthesis of Ni-coated Ni <sub>2</sub> P for supercapacitor applications. <b>2013</b> , 15, 7071	95
1895	Graphene homogeneously anchored with Ni(OH) <sub>2</sub> nanoparticles as advanced supercapacitor electrodes. <b>2013</b> , 15, 10007	91
1894	Carbon nanotube reinforced polypyrrole nanowire network as a high-performance supercapacitor electrode. <b>2013</b> , 1, 14943	101
1893	Resolving the subnanometric structure of ultrathin films of poly(3,4-ethylenedioxythiophene) on steel surfaces: a molecular modeling approach. <b>2013</b> , 9, 11634	13
1892	Crystalline NiFe <sub>x</sub> nanoparticles homogeneously embedded in ordered mesoporous carbon for improved electrochemical hydrogen storage performance. <b>2013</b> , 15, 5442	15
1891	Fabrication of Mn/Mn oxide core-shell electrodes with three-dimensionally ordered macroporous structures for high-capacitance supercapacitors. <b>2013</b> , 6, 2178	63
1890	Hierarchically structured Co@Pt@MnO <sub>2</sub> nanowire arrays for high-performance supercapacitors. <b>2013</b> , 3, 2978	212
1889	Simple hydrothermal synthesis of mesoporous spinel NiCo <sub>2</sub> O <sub>4</sub> nanoparticles and their catalytic behavior in CH <sub>3</sub> OH electro-oxidation and H <sub>2</sub> O <sub>2</sub> electro-reduction. <b>2013</b> , 3, 3207-3215	97
1888	Facile preparation of transition metal oxide-metal composites with unique nanostructures and their electrochemical performance as energy storage material. <b>2013</b> , 1, 14246	15
1887	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. <b>2013</b> , 1, 14023	58
1886	Facile fabrication of novel highly microporous carbons with superior size-selective adsorption and supercapacitance properties. <b>2013</b> , 5, 10824-8	44
1885	NiTi layered double hydroxide thin films for advanced pseudocapacitor electrodes. <b>2013</b> , 1, 10655	62
1884	Graphene-beaded carbon nanofibers for use in supercapacitor electrodes: Synthesis and electrochemical characterization. <b>2013</b> , 222, 410-416	145
1883	Tin and graphite based nanocomposites: Potential anode for sodium ion batteries. <b>2013</b> , 225, 316-322	229
1882	Ultrahigh capacitance of nanoporous metal enhanced conductive polymer pseudocapacitors. <b>2013</b> , 225, 304-310	43
1881	A New Partially Reduced Graphene Oxide Nanosheet/Polyaniline Nanowafer Hybrid as Supercapacitor Electrode Material. <b>2013</b> , 27, 568-575	110
1880	Nanostructured carbon-metal oxide composite electrodes for supercapacitors: a review. <b>2013</b> , 5, 72-88	1608

1879	Sandwich nanocomposites of polyaniline embedded between graphene layers and multi-walled carbon nanotubes for cycle-stable electrode materials of organic supercapacitors. <b>2013</b> , 3, 1797-1807	19
1878	Embedding Co <sub>3</sub> O <sub>4</sub> nanoparticles in SBA-15 supported carbon nanomembrane for advanced supercapacitor materials. <b>2013</b> , 1, 3171	60
1877	Nanostructured morphology control for efficient supercapacitor electrodes. <b>2013</b> , 1, 2941-2954	232
1876	Synthesis of one-dimensional hierarchical NiO hollow nanostructures with enhanced supercapacitive performance. <b>2013</b> , 5, 877-81	160
1875	TiO <sub>2</sub> nanotube arrays grafted with Fe <sub>2</sub> O <sub>3</sub> hollow nanorods as integrated electrodes for lithium-ion batteries. <b>2013</b> , 1, 122-127	123
1874	Discharge mechanism of MoS <sub>2</sub> for sodium ion battery: Electrochemical measurements and characterization. <b>2013</b> , 92, 427-432	195
1873	Nanosize SnO <sub>2</sub> confined in the porous shells of carbon cages for kinetically efficient and long-term lithium storage. <b>2013</b> , 5, 1576-82	68
1872	Graphene/polymer composites for energy applications. <b>2013</b> , 51, 231-253	199
1871	Selective removal of the outer shells of anodic TiO <sub>2</sub> nanotubes. <b>2013</b> , 9, 37-44	33
1870	Improving the cycling stability of LiCoO <sub>2</sub> at 4.5 V through surface modification by Fe <sub>2</sub> O <sub>3</sub> coating. <b>2013</b> , 113, 439-445	43
1869	Structural analysis of highly-durable SiOC composite anode prepared by electrodeposition for lithium secondary batteries. <b>2013</b> , 110, 403-410	36
1868	A bird nest-like manganese dioxide and its application as electrode in supercapacitors. <b>2013</b> , 22, 928-934	11
1867	Facile and large-scale chemical synthesis of highly porous secondary submicron/micron-sized NiCo <sub>2</sub> O <sub>4</sub> materials for high-performance aqueous hybrid AC-NiCo <sub>2</sub> O <sub>4</sub> electrochemical capacitors. <b>2013</b> , 107, 494-502	224
1866	Energetic and structural analysis of N <sub>2</sub> H <sub>4</sub> BH <sub>3</sub> inorganic solid and its modified material for hydrogen storage. <b>2013</b> , 38, 6718-6725	6
1865	Fabrication of porous Co/NiO core/shell nanowire arrays for electrochemical capacitor application. <b>2013</b> , 34, 146-149	27
1864	Fabrication of VO <sub>2</sub> (B) hybrid with multiwalled carbon nanotubes to form a coaxial structure and its electrochemical capacitance performance. <b>2013</b> , 559, 167-173	47
1863	Effect of LiBH <sub>4</sub> on hydrogen storage property of [MgH <sub>2</sub> . <b>2013</b> , 38, 10461-10469	18
1862	Influence of morphologies and pseudocapacitive contributions for charge storage in V <sub>2</sub> O <sub>5</sub> micro/nano-structures. <b>2013</b> , 111, 762-770	75

1861	Solution blowing of ZnO nanoflake-encapsulated carbon nanofibers as electrodes for supercapacitors. <b>2013</b> , 1, 13779	72
1860	Unveiling the Roles of Binder in the Mechanical Integrity of Electrodes for Lithium-Ion Batteries. <b>2013</b> , 160, A1502-A1509	107
1859	Microstructural and Morphological Effects on Charge Storage Properties in MnO <sub>2</sub> -Carbon Nanofibers Based Supercapacitors. <b>2013</b> , 160, A2315-A2321	26
1858	Effects of ZnNb <sub>2</sub> O <sub>6</sub> addition on BaTiO <sub>3</sub> ceramics for energy storage. <b>2013</b> , 178, 1081-1086	54
1857	Direct ultraviolet-assisted conformal coating of nanometer-thick poly(tris(2-(acryloyloxy)ethyl) phosphate) gel polymer electrolytes on high-voltage LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> cathodes. <b>2013</b> , 244, 389-394	18
1856	Polyacrylamide-assisted freeze drying synthesis of hierarchical plate-arrayed LiV <sub>3</sub> O <sub>8</sub> for high-rate lithium-ion batteries. <b>2013</b> , 235, 256-264	35
1855	Layered Li[Ni <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> ]O <sub>2</sub> ∥Li <sub>2</sub> MnO <sub>3</sub> core-shell structured cathode material with excellent stability. <b>2013</b> , 242, 589-596	62
1854	Direct surface modification of high-voltage LiCoO <sub>2</sub> cathodes by UV-cured nanothickness poly(ethylene glycol diacrylate) gel polymer electrolytes. <b>2013</b> , 104, 249-254	16
1853	Porous NiCo <sub>2</sub> O <sub>4</sub> nanostructures as bi-functional electrocatalysts for CH <sub>3</sub> OH oxidation reaction and H <sub>2</sub> O <sub>2</sub> reduction reaction. <b>2013</b> , 113, 290-301	80
1852	Molecular dynamics simulation of impact response of buckyballs. <b>2013</b> , 49, 8-12	12
1851	Step-by-step assembled poly(3,4-ethylenedioxythiophene)/manganese dioxide composite electrodes: Tuning the structure for high electrochemical performance. <b>2013</b> , 89, 300-309	41
1850	Preparation and capacitance behavior of manganese oxide hollow structures with different morphologies via template-engaged redox etching. <b>2013</b> , 239, 347-355	43
1849	Facile route to an efficient NiO supercapacitor with a three-dimensional nanonetwork morphology. <b>2013</b> , 5, 1596-603	492
1848	Mesoporous materials and electrochemistry. <b>2013</b> , 42, 4098-140	450
1847	Vanadium oxide nanowire ∥ Graphene binder free nanocomposite paper electrodes for supercapacitors: A facile green approach. <b>2013</b> , 230, 130-137	125
1846	Rapid hydrothermal synthesis of hierarchical nanostructures assembled from ultrathin birnessite-type MnO <sub>2</sub> nanosheets for supercapacitor applications. <b>2013</b> , 89, 523-529	256
1845	Simultaneous formation of ultrahigh surface area and three-dimensional hierarchical porous graphene-like networks for fast and highly stable supercapacitors. <i>Advanced Materials</i> , <b>2013</b> , 25, 2474-8024	594
1844	Tin-alloy heterostructures encapsulated in amorphous carbon nanotubes as hybrid anodes in rechargeable lithium ion batteries. <b>2013</b> , 89, 387-393	64

1843	Study of electrochemical hydrogen charge/discharge properties of FePO <sub>4</sub> for application as negative electrodes in hydrogen batteries. <b>2013</b> , 39, 6559-6568	6
1842	Colloidal Synthesis and Size-Related Capacitance of Small Cobalt Sulfide Nanocrystals. <b>2013</b> , 30, 501-505	5
1841	Carbon nanotubes: controlled growth and application. <b>2013</b> , 16, 19-28	70
1840	Enhanced energy density of asymmetric supercapacitors via optimizing negative electrode material and mass ratio of negative/positive electrodes. <b>2013</b> , 17, 1701-1710	28
1839	High-rate and elevated temperature performance of electrospun V <sub>2</sub> O <sub>5</sub> nanofibers carbon-coated by plasma enhanced chemical vapour deposition. <b>2013</b> , 2, 57-64	46
1838	Nanomaterials for energy conversion and storage. <b>2013</b> , 42, 3127-71	1188
1837	Facile synthesis of manganese oxide/aligned carbon nanotubes over aluminium foil as 3D binder free cathodes for lithium ion batteries. <b>2013</b> , 1, 3757	41
1836	Cucumber-like V <sub>2</sub> O <sub>5</sub> /poly(3,4-ethylenedioxythiophene)&MnO <sub>2</sub> nanowires with enhanced electrochemical cyclability. <b>2013</b> , 13, 740-5	182
1835	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
1834	A facile approach for tailoring carbon frameworks from microporous to nonporous for nanocarbons. <b>2013</b> , 1, 5001	27
1833	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. <b>2013</b> , 1, 5212	68
1832	Functional mesoporous materials for energy applications: solar cells, fuel cells, and batteries. <b>2013</b> , 5, 4584-605	100
1831	Facile fabrication of MWCNT-doped NiCoAl-layered double hydroxide nanosheets with enhanced electrochemical performances. <b>2013</b> , 1, 1963-1968	164
1830	Carbon nanofiber@RuO <sub>2</sub> @poly(benzimidazole) ternary hybrids for improved supercapacitor performance. <b>2013</b> , 3, 2428	20
1829	Applications of Mesoporous Molecular Sieves. <b>2013</b> , 465-511	
1828	Porous graphitic carbon nanosheets derived from cornstalk biomass for advanced supercapacitors. <b>2013</b> , 6, 880-9	220
1827	Cu superstructures fabricated using tree leaves and Cu@MnO <sub>2</sub> superstructures for high performance supercapacitors. <b>2013</b> , 1, 5053	53
1826	Flexible supercapacitors. <b>2013</b> , 11, 371-377	74

1825	Carbon-encapsulated Fe <sub>3</sub> O <sub>4</sub> nanoparticles as a high-rate lithium ion battery anode material. <b>2013</b> , 7, 4459-69		824
1824	Nanocomposites from V <sub>2</sub> O <sub>5</sub> and Lithium Ion Batteries. <b>2013</b> , 153-177		
1823	Graphene-based electrodes for electrochemical energy storage. <b>2013</b> , 6, 1388		631
1822	Electroactive nanoparticle directed assembly of functionalized graphene nanosheets into hierarchical structures with hybrid compositions for flexible supercapacitors. <b>2013</b> , 5, 3976-81		21
1821	Electrochemical synthesis of nanostructured materials for electrochemical energy conversion and storage. <b>2013</b> , 5, 4056-69		78
1820	General solution growth of mesoporous NiCo <sub>2</sub> O <sub>4</sub> nanosheets on various conductive substrates as high-performance electrodes for supercapacitors. <i>Advanced Materials</i> , <b>2013</b> , 25, 976-9	24	884
1819	Controlled electrochemical deposition and transformation of hetero-nanoarchitected electrodes for energy storage. <b>2013</b> , 15, 7976-93		36
1818	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
1817	Metal-organic frameworks as platforms for clean energy. <b>2013</b> , 6, 1656		768
1816	Fabrication of metal oxide nanobranches on atomic-layer-deposited TiO <sub>2</sub> nanotube arrays and their application in energy storage. <b>2013</b> , 5, 6040-7		77
1815	Toward the Theoretical Capacitance of RuO <sub>2</sub> Reinforced by Highly Conductive Nanoporous Gold. <b>2013</b> , 3, 851-856		162
1814	Nanoporous carbons with a 3D nanonetwork-interconnected 2D ordered mesoporous structure for rapid mass transport. <b>2013</b> , 1, 3768		44
1813	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. <b>2013</b> , 1, 7159		65
1812	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
1811	Oriented molecular attachments through sol-gel chemistry for synthesis of ultrathin hydrated vanadium pentoxide nanosheets and their applications. <b>2013</b> , 9, 716-21		57
1810	Metal oxides and oxysalts as anode materials for Li ion batteries. <b>2013</b> , 113, 5364-457		2412
1809	Porous carbon-based materials for hydrogen storage: advancement and challenges. <b>2013</b> , 1, 9365		230
1808	Graphene-wrapped polyaniline nanofibers as electrode materials for organic supercapacitors. <b>2013</b> , 52, 440-450		142

1807	Highly ordered MnO <sub>2</sub> nanopyllars for enhanced supercapacitor performance. <i>Advanced Materials</i> , <b>2013</b> , 25, 3302-6	24	401
1806	Pyrolyzed bacterial cellulose: a versatile support for lithium ion battery anode materials. <b>2013</b> , 9, 2399-404		144
1805	Design, hydrothermal synthesis and electrochemical properties of porous birnessite-type manganese dioxide nanosheets on graphene as a hybrid material for supercapacitors. <b>2013</b> , 242, 78-85		88
1804	Three-dimensional activated reduced graphene oxide nanocup/nickel aluminum layered double hydroxides composite with super high electrochemical and capacitance performances. <b>2013</b> , 95, 146-154		55
1803	Construction of three-dimensional porous nano-Ni/NiO nanoflake composite film for electrochemical energy storage. <b>2013</b> , 106, 250-253		23
1802	Highly dispersive and electrically conductive silver-coated Si anodes synthesized via a simple chemical reduction process. <b>2013</b> , 2, 1271-1278		61
1801	Surfactant-assisted morphological tuning of hierarchical CuO thin films for electrochemical supercapacitors. <b>2013</b> , 42, 6459-67		123
1800	Sucrose-assisted loading of LiFePO <sub>4</sub> nanoparticles on graphene for high-performance lithium-ion battery cathodes. <b>2013</b> , 19, 5631-6		43
1799	High-energy supercapacitors based on hierarchical porous carbon with an ultrahigh ion-accessible surface area in ionic liquid electrolytes. <b>2013</b> , 5, 4678-82		89
1798	Fast, reversible lithium storage with a sulfur/long-chain-polysulfide redox couple. <b>2013</b> , 19, 8621-6		53
1797	High-performance supercapacitors based on hollow polyaniline nanofibers by electrospinning. <b>2013</b> , 5, 4423-8		212
1796	One-step synthesis of CoMoO <sub>4</sub> /graphene composites with enhanced electrochemical properties for supercapacitors. <b>2013</b> , 99, 253-261		190
1795	Three-dimensional hybrid materials of fish scale-like polyaniline nanosheet arrays on graphene oxide and carbon nanotube for high-performance ultracapacitors. <b>2013</b> , 54, 241-248		90
1794	Highly monodisperse microporous polymeric and carbonaceous nanospheres with multifunctional properties. <b>2013</b> , 3, 1430		61
1793	Nanoscale mapping of lithium-ion diffusion in a cathode within an all-solid-state lithium-ion battery by advanced scanning probe microscopy techniques. <b>2013</b> , 7, 1666-75		68
1792	Topochemical transformation route to atomically thick Co <sub>3</sub> O <sub>4</sub> nanosheets realizing enhanced lithium storage performance. <b>2013</b> , 5, 5241-6		94
1791	Mesoporous nitrogen-rich carbons derived from protein for ultra-high capacity battery anodes and supercapacitors. <b>2013</b> , 6, 871		872
1790	Manganese oxide micro-supercapacitors with ultra-high areal capacitance. <b>2013</b> , 5, 4119-22		95

1789	Coaxial fiber supercapacitor using all-carbon material electrodes. <b>2013</b> , 7, 5940-7	452
1788	A simple fabrication of interconnected CuO nanotube electrodes for high-performance lithium-ion batteries. <b>2013</b> , 8, 1377-80	5
1787	Ordered mesoporous nickel cobaltite spinel with ultra-high supercapacitance. <b>2013</b> , 1, 2331	87
1786	Coaxial Fe <sub>3</sub> O <sub>4</sub> /CuO hybrid nanowires as ultra fast charge/discharge lithium-ion battery anodes. <b>2013</b> , 1, 8672	66
1785	Hydrothermal synthesis of carbon nanotube/cubic Fe <sub>3</sub> O <sub>4</sub> nanocomposite for enhanced performance supercapacitor electrode material. <b>2013</b> , 178, 736-743	156
1784	Facile synthesis of NiMoO <sub>4</sub> ·xH <sub>2</sub> O nanorods as a positive electrode material for supercapacitors. <b>2013</b> , 3, 6472	115
1783	Sonochemical synthesis of manganese (II) hydroxide for supercapacitor applications. <b>2013</b> , 48, 3357-3361	32
1782	In-situ synthesis of carbon coated Li <sub>2</sub> MnSiO <sub>4</sub> nanoparticles with high rate performance. <b>2013</b> , 242, 865-871	45
1781	Supercapacitors based on carbons with tuned porosity derived from paper pulp mill sludge biowaste. <b>2013</b> , 57, 317-328	129
1780	Effect of solid electrolyte interface (SEI) film on cyclic performance of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anodes for Li ion batteries. <b>2013</b> , 239, 269-276	188
1779	Titanium silicide nanonet as a new material platform for advanced lithium ion battery applications. <b>2013</b> , 49, 6470-6	15
1778	Carbon-Free TiO <sub>2</sub> Battery Electrodes Enabled by Morphological Control at the Nanoscale. <b>2013</b> , 3, 1286-1291	35
1777	Electrophoretic fabrication and pseudocapacitive properties of graphene/manganese oxide/carbon nanotube nanocomposites. <b>2013</b> , 243, 594-602	42
1776	Structural analysis of highly-durable SiOC composite anode prepared by electrodeposition for lithium secondary batteries. <b>2013</b> , 107, 1-8	2
1775	Self-assembling hybrid NiO/Co <sub>3</sub> O <sub>4</sub> ultrathin and mesoporous nanosheets into flower-like architectures for pseudocapacitance. <b>2013</b> , 1, 9107	91
1774	Ultrathin porous NiCo <sub>2</sub> O <sub>4</sub> nanosheet arrays on flexible carbon fabric for high-performance supercapacitors. <b>2013</b> , 5, 7405-9	229
1773	Graphene-based Li-ion hybrid supercapacitors with ultrahigh performance. <b>2013</b> , 6, 581-592	174
1772	Carbon-sulfur composites for Li-ion batteries: status and prospects. <b>2013</b> , 1, 9382	664



1771	Solvothermal one-step synthesis of Ni-Al layered double hydroxide/carbon nanotube/reduced graphene oxide sheet ternary nanocomposite with ultrahigh capacitance for supercapacitors. <b>2013</b> , 5, 5443-54	212
1770	Single-Walled Carbon Nanotube/Phase Change Material Composites: Sunlight-Driven, Reversible, Form-Stable Phase Transitions for Solar Thermal Energy Storage. <b>2013</b> , 23, 4354-4360	267
1769	Rational design of anode materials based on Group IVA elements (Si, Ge, and Sn) for lithium-ion batteries. <b>2013</b> , 8, 1948-58	163
1768	Towards the selective modification of soft-templated mesoporous carbon materials by elemental fluorine for energy storage devices. <b>2013</b> , 1, 9327	19
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1766	Controlled growth of whisker-like polyaniline on carbon nanofibers and their long cycle life for supercapacitors. <b>2013</b> , 3, 3957	33
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1763	Microporous and mesoporous materials for gas storage and separation: a review. <b>2013</b> , 8, 618-626	31
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1761	An organic cathode material based on a polyimide/CNT nanocomposite for lithium ion batteries. <b>2013</b> , 1, 6366	166
1760	Colloidal silica nanoparticle-assisted structural control of cellulose nanofiber paper separators for lithium-ion batteries. <b>2013</b> , 242, 533-540	95
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1757	CuO cauliflowers for supercapacitor application: Novel potentiodynamic deposition. <b>2013</b> , 48, 923-928	163
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1755	Carbon microfibers with hierarchical porous structure from electrospun fiber-like natural biopolymer. <b>2013</b> , 3, 1119	107
1754	Probing Porous Structure of Single Manganese Oxide Mesorods with Ionic Current. <b>2013</b> , 117, 24836-24842	6

1753	MXene: a new family of promising hydrogen storage medium. <b>2013</b> , 117, 14253-60	298
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1751	Eco-friendly water-borne conducting polyaniline. <b>2013</b> , 31, 853-869	9
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1734	Nanostrukturierte Elektroden für Hochleistungs-Pseudokondensatoren. <b>2013</b> , 125, 1932-1940	24
1733	Large-scale synthesis of interconnected Si/SiO <sub>x</sub> nanowire anodes for rechargeable lithium-ion batteries. <b>2013</b> , 6, 1153-7	23
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1730	Three-dimensional graphene and their integrated electrodes. <b>2014</b> , 9, 785-807	228
1729	Fe <sub>3</sub> O <sub>4</sub> /carbon hybrid nanoparticle electrodes for high-capacity electrochemical capacitors. <b>2014</b> , 7, 1676-83	37
1728	Mg <sub>2</sub> Si anode for Li-ion batteries: Linking structural change to fast capacity fading. <b>2014</b> , 105, 213901	20
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1724	General approach for high-power li-ion batteries: multiscale lithographic patterning of electrodes. <b>2014</b> , 7, 3483-90	10
1723	Temperature dependence of interface barrier height change and field emission studies of plasma-treated graphene films. <b>2014</b> , 7, 095101	4
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1721	Nanostructured lithium titanate and lithium titanate/carbon nanocomposite as anode materials for advanced lithium-ion batteries. <b>2014</b> , 3,	13
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1716	Carbonaceous Impurities Contained in Graphene Oxide/Reduced Graphene Oxide Dominate Their Electrochemical Capacitances. <b>2014</b> , 26, 139-146		15
1715	Enhanced Electrochemical Performance of Reduced Graphene Oxides by H <sub>2</sub> /Ar Plasma Treatment. <b>2014</b> , 118, 28440-28447		24
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1701	Polycrystalline Vanadium Oxide Nanorods: Growth, Structure and Improved Electrochemical Response as a Li-Ion Battery Cathode Material. <b>2014</b> , 161, A1321-A1329		29
1700	Aluminum Insertion-Induced Enhanced Performance of Li(Ni <sub>0.83-x</sub> Co <sub>0.10</sub> Mn <sub>0.07</sub> Al <sub>y</sub> )O <sub>2</sub> Microspheres for Lithium-Ion Batteries Design. <b>2014</b> , 1, 601-610		16

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1694	Energy Storage from Dispersion Forces in Nanotubes. <b>2014</b> , 789-806	
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1691	Enhanced supercapacitor performance using hierarchical TiO <sub>2</sub> nanorod/Co(OH) <sub>2</sub> nanowall array electrodes. <b>2014</b> , 136, 105-111	39
1690	Stearic acid eutectic/activated-attapulgate composite as form-stable phase change material for thermal energy storage. <b>2014</b> , 81, 306-311	107
1689	Encapsulated within graphene shell silicon nanoparticles anchored on vertically aligned graphene trees as lithium ion battery anodes. <b>2014</b> , 5, 105-115	99
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1678	The Influence of Raw Material Prices on the Development of Hydrogen Storage Materials: The Case of Metal Hydrides. <b>2014</b> , 5, 735-760	2
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1676	A review: carbon nanofibers from electrospun polyacrylonitrile and their applications. <b>2014</b> , 49, 463-480	411
1675	Mixed transition-metal oxides: design, synthesis, and energy-related applications. <b>2014</b> , 53, 1488-504	1730
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1673	Progress in flexible lithium batteries and future prospects. <b>2014</b> , 7, 1307-1338	1103
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1663	Graphene/MnO <sub>2</sub> hybrid nanosheets as high performance electrode materials for supercapacitors. <b>2014</b> , 143, 740-746		30
1662	Hierarchical mesoporous NiCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> core-shell nanowire arrays on nickel foam for aqueous asymmetric supercapacitors. <b>2014</b> , 2, 4795		315
1661	Facile hydrothermal synthesis of hierarchical ultrathin mesoporous NiMoO <sub>4</sub> nanosheets for high performance supercapacitors. <b>2014</b> , 115, 358-363		93
1660	Sodium dodecyl sulfate-assisted hydrothermal synthesis of mesoporous nickel cobaltite nanoparticles with enhanced catalytic activity for methanol electrooxidation. <b>2014</b> , 251, 287-295		64
1659	High rate Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> @C anode material fabricated by a facile carbon coating method. <b>2014</b> , 722-723, 54-59		13
1658	Oxide nanostructures hyperbranched with thin and hollow metal shells for high-performance nanostructured battery electrodes. <b>2014</b> , 10, 2419-28		35
1657	Core-shell CuCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> Nanowires on Carbon Fabrics as High-Performance Materials for Flexible, All-Solid-State, Electrochemical Capacitors. <b>2014</b> , 1, 559-564		128
1656	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
1655	Nanoarchitected Graphene/CNT@Porous Carbon with Extraordinary Electrical Conductivity and Interconnected Micro/Mesopores for Lithium-Sulfur Batteries. <b>2014</b> , 24, 2772-2781		452
1654	Iron-Oxide-Based Advanced Anode Materials for Lithium-Ion Batteries. <b>2014</b> , 4, 1300958		432
1653	Recent Advances in Design and Fabrication of Electrochemical Supercapacitors with High Energy Densities. <b>2014</b> , 4, 1300816		1364
1652	Facile synthesis of hierarchical Co <sub>3</sub> O <sub>4</sub> @MnO <sub>2</sub> core-shell arrays on Ni foam for asymmetric supercapacitors. <b>2014</b> , 252, 98-106		307
1651	Facile synthesis of anatase TiO <sub>2</sub> quantum-dot/graphene-nanosheet composites with enhanced electrochemical performance for lithium-ion batteries. <i>Advanced Materials</i> , <b>2014</b> , 26, 2084-8	24	251
1650	Facile synthesis of three dimensional hierarchical Co-Al layered double hydroxides on graphene as high-performance materials for supercapacitor electrode. <b>2014</b> , 426, 131-6		14
1649	Enhanced electrochemical properties of Al <sub>2</sub> O <sub>3</sub> -coated LiV <sub>3</sub> O <sub>8</sub> cathode materials for high-power lithium-ion batteries. <b>2014</b> , 245, 698-705		44
1648	Graphene-based polyaniline nanocomposites: preparation, properties and applications. <b>2014</b> , 2, 4491-4509		190
1647	Porous Li <sub>2</sub> C <sub>8</sub> H <sub>4</sub> O <sub>4</sub> coated with N-doped carbon by using CVD as an anode material for Li-ion batteries. <b>2014</b> , 2, 5696-5702		55
1646	Facile preparation of [Bi <sub>6</sub> O <sub>4</sub> ](OH) <sub>4</sub> (NO <sub>3</sub> ) <sub>6</sub> ·4H <sub>2</sub> O, [Bi <sub>6</sub> O <sub>4</sub> ](OH) <sub>4</sub> (NO <sub>3</sub> ) <sub>6</sub> ·H <sub>2</sub> O and [Bi <sub>6</sub> O <sub>4</sub> ](OH) <sub>4</sub> (NO <sub>3</sub> ) <sub>6</sub> ·H <sub>2</sub> O/C as novel high capacity anode materials for rechargeable lithium-ion batteries. <b>2014</b> , 254, 88-97		15

1645	Synthesis and characterization of M <sub>3</sub> V <sub>2</sub> O <sub>8</sub> (M = Ni or Co) based nanostructures: a new family of high performance pseudocapacitive materials. <b>2014</b> , 2, 4919		133
1644	Conjugated polyfluorene imidazolium ionic liquids intercalated reduced graphene oxide for high performance supercapacitor electrodes. <b>2014</b> , 6, 119-128		35
1643	Electrodeposition of Ni(OH) <sub>2</sub> /Ni/graphene composites under supergravity field for supercapacitor application. <b>2014</b> , 122, 273-276		24
1642	Ultrathin pre-lithiated V <sub>6</sub> O <sub>13</sub> nanosheet cathodes with enhanced electrical transport and cyclability. <b>2014</b> , 255, 235-241		67
1641	A high performance hybrid asymmetric supercapacitor via nano-scale morphology control of graphene, conducting polymer, and carbon nanotube electrodes. <b>2014</b> , 2, 9964-9969		48
1640	Composite graphene/semiconductor nanostructures for energy storage. <b>2014</b> , 213-266		
1639	Supercapacitors with high capacitance based on reduced graphene oxide/carbon nanotubes/NiO composite electrodes. <b>2014</b> , 2, 3834-3840		110
1638	A mechanically and electrically self-healing supercapacitor. <i>Advanced Materials</i> , <b>2014</b> , 26, 3638-43	24	304
1637	Capacitive behaviour of thermally reduced graphene oxide in a novel ionic liquid containing di-cationic charge. <b>2014</b> , 193, 110-116		23
1636	A High-Energy Li-Ion Battery Using a Silicon-Based Anode and a Nano-Structured Layered Composite Cathode. <b>2014</b> , 24, 3036-3042		116
1635	The influence of carrier density and doping type on lithium insertion and extraction processes at silicon surfaces. <b>2014</b> , 135, 356-367		21
1634	A dual coaxial nanocable sulfur composite for high-rate lithium-sulfur batteries. <b>2014</b> , 6, 1653-60		79
1633	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. <b>2014</b> , 8, 4474-87		210
1632	Graphene sensing an inhomogeneous strain due to the surface relief in FeNiCoTi shape memory alloy. <b>2014</b> , 45, 1-6		3
1631	Pre-lithiation of onion-like carbon/MoS <sub>2</sub> nano-urchin anodes for high-performance rechargeable lithium ion batteries. <b>2014</b> , 6, 8884-90		81
1630	Porous nitrogen-doped hollow carbon spheres derived from polyaniline for high performance supercapacitors. <b>2014</b> , 2, 5352-5357		369
1629	Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode materials for lithium-ion batteries: A review. <b>2014</b> , 258, 19-38		241
1628	Mesoporous NiCo <sub>2</sub> O <sub>4</sub> Nanowire Arrays Grown on Carbon Textiles as Binder-Free Flexible Electrodes for Energy Storage. <b>2014</b> , 24, 2630-2637		663



1627	Comparative study of large-scale hydrogen storage technologies: Is hydrate-based storage at advantage over existing technologies?. <b>2014</b> , 39, 3327-3341	31
1626	Ultrahigh-Energy-Density Lithium-Ion Batteries Based on a High-Capacity Anode and a High-Voltage Cathode with an Electroconductive Nanoparticle Shell. <b>2014</b> , 4, 1301542	40
1625	High-performance anode based on porous Co <sub>3</sub> O <sub>4</sub> nanodiscs. <b>2014</b> , 255, 125-129	55
1624	Growth and structural property studies on NiSi/SiC core-shell nanowires by hot-wire chemical vapor deposition. <b>2014</b> , 570, 243-248	12
1623	Recent Progress on Mesoporous Carbon Materials for Advanced Energy Conversion and Storage. <b>2014</b> , 31, 515-539	73
1622	Photoreduction of Graphene Oxides: Methods, Properties, and Applications. <b>2014</b> , 2, 10-28	191
1621	One-pot hydrothermal synthesis of reduced graphene oxide/Ni(OH) <sub>2</sub> films on nickel foam for high performance supercapacitors. <b>2014</b> , 115, 155-164	168
1620	Mesoporous Co <sub>3</sub> O <sub>4</sub> nanosheets-3D graphene networks hybrid materials for high-performance lithium ion batteries. <b>2014</b> , 118, 1-9	98
1619	Graphene Nanoribbons Derived from the Unzipping of Carbon Nanotubes: Controlled Synthesis and Superior Lithium Storage Performance. <b>2014</b> , 118, 881-890	73
1618	Amorphous MnO <sub>2</sub> supported on 3D-Ni nanodendrites for large areal capacitance supercapacitors. <b>2014</b> , 149, 341-348	76
1617	A single rolled-up Si tube battery for the study of electrochemical kinetics, electrical conductivity, and structural integrity. <i>Advanced Materials</i> , <b>2014</b> , 26, 7973-8	24 41
1616	Amorphous vanadium oxide matrixes supporting hierarchical porous Fe <sub>3</sub> O <sub>4</sub> /graphene nanowires as a high-rate lithium storage anode. <b>2014</b> , 14, 6250-6	224
1615	Highly reduced VO <sub>x</sub> nanotube cathode materials with ultra-high capacity for magnesium ion batteries. <b>2014</b> , 2, 20636-20641	37
1614	Solvothermal synthesis of NiAl double hydroxide microspheres on a nickel foam-graphene as an electrode material for pseudo-capacitors. <b>2014</b> , 4, 097122	12
1613	Branch-structured Bi <sub>2</sub> S <sub>3</sub> @CNT hybrids with improved lithium storage capability. <b>2014</b> , 2, 13854-13858	70
1612	Si@SiO <sub>2</sub> nanowires/carbon textiles cable-type anodes for high-capacity reversible lithium-ion batteries. <b>2014</b> , 4, 18391	10
1611	Construction of unique NiCo <sub>2</sub> O <sub>4</sub> nanowire@CoMoO <sub>4</sub> nanoplate core/shell arrays on Ni foam for high areal capacitance supercapacitors. <b>2014</b> , 2, 4954	122
1610	In situ synthesis of Ni <sub>x</sub> Co <sub>y</sub> O <sub>z</sub> composites with rod-like Ni@C as support for potential application in supercapacitors. <b>2014</b> , 4, 32047	4

1609	Hierarchical mesoporous iron-based fluoride with partially hollow structure: facile preparation and high performance as cathode material for rechargeable lithium ion batteries. <b>2014</b> , 16, 8556-62	37
1608	CoMoO <sub>4</sub> ·9H <sub>2</sub> O nanorods grown on reduced graphene oxide as advanced electrochemical pseudocapacitor materials. <b>2014</b> , 4, 34307	43
1607	Preparation of conductive polyaniline grafted graphene hybrid composites via graft polymerization at room temperature. <b>2014</b> , 4, 43212-43219	9
1606	Controllable synthesis of RGO/FexOy nanocomposites as high-performance anode materials for lithium ion batteries. <b>2014</b> , 2, 9844-9850	53
1605	A facile hard-templating synthesis of mesoporous spinel CoFe <sub>2</sub> O <sub>4</sub> nanostructures as promising electrocatalysts for the H <sub>2</sub> O <sub>2</sub> reduction reaction. <b>2014</b> , 4, 1754-1760	24
1604	Ultrasmall MnO@N-rich carbon nanosheets for high-power asymmetric supercapacitors. <b>2014</b> , 2, 12519	79
1603	Multi-functionalities of natural polysaccharide for enhancing electrochemical performance of macroporous Si anodes. <b>2014</b> , 4, 3070-3074	15
1602	Design and synthesis of 3D interconnected mesoporous NiCo <sub>2</sub> O <sub>4</sub> @CoxNi <sub>1-x</sub> (OH) <sub>2</sub> core-shell nanosheet arrays with large areal capacitance and high rate performance for supercapacitors. <b>2014</b> , 2, 10090	146
1601	Polyhedral LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> with excellent electrochemical properties for lithium-ion batteries. <b>2014</b> , 2, 12835-12848	64
1600	Catalyst engineering for lithium ion batteries: the catalytic role of Ge in enhancing the electrochemical performance of SnO <sub>2</sub> (GeO <sub>2</sub> ) <sub>0.13</sub> /G anodes. <b>2014</b> , 6, 15020-8	24
1599	An aqueous capacitor battery hybrid device based on Na-ion insertion-deinsertion in $\delta$ -MnO <sub>2</sub> positive electrode. <b>2014</b> , 148, 237-243	31
1598	New insights into micro/nanoscale combined probes (nanoAuger, XPS) to characterize Ag/Au@SiO <sub>2</sub> core-shell assemblies. <b>2014</b> , 6, 11130-40	22
1597	High energy mechano-chemical milling: Convenient approach to synthesis of LiMn <sub>1.5</sub> Ni <sub>0.5</sub> O <sub>4</sub> high voltage cathode for lithium ion batteries. <b>2014</b> , 190, 119-125	3
1596	Design of polypyrrole/polyaniline double-walled nanotube arrays for electrochemical energy storage. <b>2014</b> , 6, 642-7	93
1595	Nitrogen-Doped Carbon Networks for High Energy Density Supercapacitors Derived from Polyaniline Coated Bacterial Cellulose. <b>2014</b> , 24, 3953-3961	313
1594	Bowl-like carbon sheet for high-rate electrochemical capacitor application. <b>2014</b> , 272, 1-7	21
1593	Transparent and flexible supercapacitors with single walled carbon nanotube thin film electrodes. <b>2014</b> , 6, 15434-9	105
1592	Benzenediacrylates as organic battery electrode materials: Na versus Li. <b>2014</b> , 4, 38004-38011	43

1591	Assessing the improved performance of freestanding, flexible graphene and carbon nanotube hybrid foams for lithium ion battery anodes. <b>2014</b> , 6, 4669-75	73
1590	Sponge-like NiCo <sub>2</sub> O <sub>4</sub> /MnO <sub>2</sub> ultrathin nanoflakes for supercapacitor with high-rate performance and ultra-long cycle life. <b>2014</b> , 2, 7738-7741	54
1589	Controllable synthesis of SnO <sub>2</sub> @C yolk-shell nanospheres as a high-performance anode material for lithium ion batteries. <b>2014</b> , 6, 3217-22	149
1588	Ultralong H <sub>2</sub> V <sub>3</sub> O <sub>8</sub> nanowire bundles as a promising cathode for lithium batteries. <b>2014</b> , 38, 2075-2080	31
1587	Confined selenium within porous carbon nanospheres as cathode for advanced Li- $\alpha$ -Se batteries. <b>2014</b> , 9, 229-236	183
1586	In Situ Growth of Mesoporous NiO Nanoplates on Graphene Matrix as Anode Material for Lithium-Ion Batteries. <b>2014</b> , 905, 56-60	
1585	Green interfacial synthesis of two-dimensional poly(2,5-dimethoxyaniline) nanosheets as a promising electrode for high performance electrochemical capacitors. <b>2014</b> , 4, 24773-24776	10
1584	Self-supported metallic nanopore arrays with highly oriented nanoporous structures as ideally nanostructured electrodes for supercapacitor applications. <i>Advanced Materials</i> , <b>2014</b> , 26, 7654-9	24 89
1583	Enhanced cycle performance of lithium-sulfur batteries using a separator modified with a PVDF-C layer. <b>2014</b> , 6, 20276-81	115
1582	Supercapacitor characteristics of pressurized RuO <sub>2</sub> /carbon powder as binder-free electrodes. <b>2014</b> , 4, 48276-48284	22
1581	Expeditious fabrication of flower-like hierarchical mesoporous carbon superstructures as supercapacitor electrode materials. <b>2014</b> , 2, 16884-16891	55
1580	A single-step emulsion approach to prepare fluorescent nanoscale coordination polymers for bioimaging. <b>2014</b> , 4, 14803-14806	3
1579	Graphene-based supercapacitor with carbon nanotube film as highly efficient current collector. <b>2014</b> , 25, 435405	46
1578	Hollow nanospheres of loosely packed Si/SiO <sub>x</sub> nanoparticles encapsulated in carbon shells with enhanced performance as lithium ion battery anodes. <b>2014</b> , 2, 12289-12295	37
1577	Growth of metal-catalyst-free nitrogen-doped metallic single-wall carbon nanotubes. <b>2014</b> , 6, 12065-70	20
1576	Effective strategies for improving the electrochemical properties of highly porous Si foam anodes in lithium-ion batteries. <b>2014</b> , 2, 14195-14200	33
1575	Photonic curing of aromatic thiol-ene click dielectric capacitors via inkjet printing. <b>2014</b> , 2, 17380-17386	12
1574	Solvothermal synthesis of pyrite FeS <sub>2</sub> nanocubes and their superior high rate lithium storage properties. <b>2014</b> , 4, 48770-48776	40

1573	Facile surface modification of high-voltage lithium-ion battery cathode materials with electroconductive zinc antimonate colloidal nanoparticles. <b>2014</b> , 4, 15630	3
1572	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
1571	Template-free synthesis of hierarchical porous carbon derived from low-cost biomass for high-performance supercapacitors. <b>2014</b> , 4, 51072-51079	49
1570	Understanding composition-property relationships in Ti-Cr-V-Mo alloys for optimisation of hydrogen storage in pressurised tanks. <b>2014</b> , 16, 16563-72	6
1569	Metal oxide/hydroxide-based materials for supercapacitors. <b>2014</b> , 4, 41910-41921	235
1568	Light-induced organic monolayer modification of iodinated carbon electrodes. <b>2014</b> , 30, 332-9	10
1567	Fabrication of Gold Nanoparticles Modified Carbon Nanofibers/Polyaniline Electrode for H <sub>2</sub> O <sub>2</sub> Determination. <b>2014</b> , 161, H816-H821	7
1566	High performance supercapacitor based on Ni <sub>3</sub> S <sub>2</sub> /carbon nanofibers and carbon nanofibers electrodes derived from bacterial cellulose. <b>2014</b> , 272, 137-143	120
1565	Synthesis and electrochemical performances of novel hierarchical flower-like nickel sulfide with tunable number of composed nanoplates. <b>2014</b> , 268, 113-120	50
1564	Covalently coupled hybrid of graphitic carbon nitride with reduced graphene oxide as a superior performance lithium-ion battery anode. <b>2014</b> , 6, 12555-64	163
1563	Understanding the effect of polypyrrole and poly(3,4-ethylenedioxythiophene) on enhancing the supercapacitor performance of NiCo <sub>2</sub> O <sub>4</sub> electrodes. <b>2014</b> , 2, 16731-16739	58
1562	Electropolymerization of polypyrrole by bipolar electrochemistry in an ionic liquid. <b>2014</b> , 30, 2973-6	24
1561	Facile mechanochemical synthesis of nano SnO <sub>2</sub> /graphene composite from coarse metallic Sn and graphite oxide: an outstanding anode material for lithium-ion batteries. <b>2014</b> , 20, 4055-63	90
1560	A fast and efficient pre-doping approach to high energy density lithium-ion hybrid capacitors. <b>2014</b> , 2, 10029-10033	63
1559	Factors influencing high voltage performance of coconut char derived carbon based electrical double layer capacitor made using acetonitrile and propylene carbonate based electrolytes. <b>2014</b> , 272, 90-99	12
1558	One-step synthesis of hierarchical ZnCo <sub>2</sub> O <sub>4</sub> @ZnCo <sub>2</sub> O <sub>4</sub> core-shell nanosheet arrays on nickel foam for electrochemical capacitors. <b>2014</b> , 4, 38073	21
1557	Preparation of a novel rape pollen shell microencapsulation and its use for protein adsorption and pH-controlled release. <b>2014</b> , 31, 667-73	12
1556	Nickel cobalt oxide/carbon nanotubes hybrid as a high-performance electrocatalyst for metal/air battery. <b>2014</b> , 6, 10235-42	96

1555	Conducting polyaniline-wrapped lithium vanadium phosphate nanocomposite as high-rate and cycling stability cathode for lithium-ion batteries. <b>2014</b> , 146, 295-300	30
1554	Bending-induced symmetry breaking of lithiation in germanium nanowires. <b>2014</b> , 14, 4622-7	81
1553	Water Adsorption Microcalorimetry Model: Deciphering Surface Energies and Water Chemical Potentials of Nanocrystalline Oxides. <b>2014</b> , 118, 10131-10142	39
1552	Nanoflower-like CuO/Cu(OH) <sub>2</sub> hybrid thin films: Synthesis and electrochemical supercapacitive properties. <b>2014</b> , 732, 80-85	90
1551	Green energy storage chemistries based on neutral aqueous electrolytes. <b>2014</b> , 2, 10739-10755	100
1550	High-power and high-energy asymmetric supercapacitors based on Li <sup>+</sup> -intercalation into a T-Nb <sub>2</sub> O <sub>5</sub> /graphene pseudocapacitive electrode. <b>2014</b> , 2, 17962-17970	142
1549	An interlaced silver vanadium oxide-graphene hybrid with high structural stability for use in lithium ion batteries. <b>2014</b> , 50, 13447-50	26
1548	Macroscopic Graphene Structures: Preparation, Properties, and Applications. <b>2014</b> , 291-350	3
1547	High-Energy Layered Oxide Cathodes with Thin Shells for Improved Surface Stability. <b>2014</b> , 26, 5973-5979	38
1546	Catalytic nanoconfinement effect of in-situ synthesized Ni-containing mesoporous carbon scaffold (Ni-MCS) on the hydrogen storage properties of LiAlH <sub>4</sub> . <b>2014</b> , 39, 18280-18290	28
1545	MnO <sub>2</sub> nanosilks self-assembled micropowders: Facile one-step hydrothermal synthesis and their application as supercapacitor electrodes. <b>2014</b> , 45, 2995-2999	10
1544	Mesoporous zinc ferrite/graphene composites: Towards ultra-fast and stable anode for lithium-ion batteries. <b>2014</b> , 79, 493-499	58
1543	Double surfactant-directed controllable synthesis of Sb <sub>2</sub> S <sub>3</sub> crystals with comparable electrochemical performances. <b>2014</b> , 16, 7753	16
1542	Surfactant free gram scale synthesis of mesoporous Ni(OH) <sub>2</sub> -GO nanocomposite for high rate pseudocapacitor application. <b>2014</b> , 4, 39875	29
1541	Facile synthesis of CuO nanoneedle electrodes for high-performance lithium-ion batteries. <b>2014</b> , 148, 411-415	18
1540	Advances and challenges for flexible energy storage and conversion devices and systems. <b>2014</b> , 7, 2101	650
1539	Hierarchical NiAl layered double hydroxide/multiwalled carbon nanotube/nickel foam electrodes with excellent pseudocapacitive properties. <b>2014</b> , 6, 16304-11	83
1538	Three-dimensionally Hierarchical Porous Carbon Creating High-performance Electrochemical Capacitors. <b>2014</b> , 138, 193-199	20

1537	Paraffin/diatomite/multi-wall carbon nanotubes composite phase change material tailor-made for thermal energy storage cement-based composites. <b>2014</b> , 72, 371-380	142
1536	Synthesis and structure determination of potassium copper selenide nanowires and solid-state supercapacitor application. <b>2014</b> , 268, 522-532	30
1535	High rate LiMn <sub>2</sub> O <sub>4</sub> /carbon nanotube composite prepared by a two-step hydrothermal process. <b>2014</b> , 268, 491-497	18
1534	High Performance Supercapacitors Based on the Electrodeposited Co <sub>3</sub> O <sub>4</sub> Nanoflakes on Electro-etched Carbon Fibers. <b>2014</b> , 138, 9-14	40
1533	Facile synthesis of hierarchical CuO nanorod arrays on carbon nanofibers for high-performance supercapacitors. <b>2014</b> , 40, 15973-15979	66
1532	Investigation of the Electrode/Electrolyte Interface of Fe <sub>2</sub> O <sub>3</sub> Composite Electrodes: Li vs Na Batteries. <b>2014</b> , 26, 5028-5041	77
1531	Conducting polymer-skinned electroactive materials of lithium-ion batteries: ready for monocomponent electrodes without additional binders and conductive agents. <b>2014</b> , 6, 12789-97	57
1530	Effect of thermal annealing on the structural, morphological and super capacitor behavior of MnO <sub>2</sub> nanocrystals. <b>2014</b> , 27, 553-561	10
1529	Hierarchical 3D Mesoporous Conch-like Co <sub>3</sub> O <sub>4</sub> Nanostructure Arrays for High-Performance Supercapacitors. <b>2014</b> , 141, 248-254	47
1528	Preparation of nanospherical porous NiO by a hard template route and its supercapacitor application. <b>2014</b> , 135, 172-175	30
1527	Colossal pseudocapacitance in a high functionality high surface area carbon anode doubles the energy of an asymmetric supercapacitor. <b>2014</b> , 7, 1708-1718	320
1526	Synthesis of novel ZnO hierarchical nanospheres and their applications as electrochemical supercapacitor and hydrogen storage material. <b>2014</b> , 6, 13635-41	118
1525	In Situ Synthesis of Hybrid Aerogels from Single-Walled Carbon Nanotubes and Polyaniline Nanoribbons as Free-Standing, Flexible Energy Storage Electrodes. <b>2014</b> , 26, 1678-1685	48
1524	Synthesis of RuO <sub>2</sub> decorated quasi graphene nanosheets and their application in supercapacitors. <b>2014</b> , 4, 11197	43
1523	Layered manganese oxides-decorated and nickel foam-supported carbon nanotubes as advanced binder-free supercapacitor electrodes. <b>2014</b> , 269, 760-767	140
1522	Microwave-assisted synthesis of graphene/CoMoO <sub>4</sub> nanocomposites with enhanced supercapacitor performance. <b>2014</b> , 616, 58-65	63
1521	Amorphous Ni(OH) <sub>2</sub> @ three-dimensional Ni core-shell nanostructures for high capacitance pseudocapacitors and asymmetric supercapacitors. <b>2014</b> , 2, 13845-13853	323
1520	In situ synthesis of SWNTs@MnO <sub>2</sub> /polypyrrole hybrid film as binder-free supercapacitor electrode. <b>2014</b> , 9, 245-251	79

1519	Green Template-Free Synthesis of Mesoporous Ternary CoNiMn Oxide Nanowires Towards High-Performance Electrochemical Capacitors. <b>2014</b> , 31, 778-787	34
1518	Ultrathin Nanoflakes Assembled 3D Hierarchical Mesoporous Co <sub>3</sub> O <sub>4</sub> Nanoparticles for High-Rate Pseudocapacitors. <b>2014</b> , 31, 1079-1083	31
1517	Stable 4 V-class bicontinuous cathodes by hierarchically porous carbon coating on Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanospheres. <b>2014</b> , 6, 12426-33	19
1516	Building robust carbon nanotube-interweaved-nanocrystal architecture for high-performance anode materials. <b>2014</b> , 8, 9265-73	46
1515	Facile preparation of Mn <sub>3</sub> O <sub>4</sub> -coated carbon nanofibers on copper foam as a high-capacity and long-life anode for lithium-ion batteries. <b>2014</b> , 2, 17352-17358	27
1514	Polyaniline Binder for Functionalized Acetylene Black: A Hybrid Material for Supercapacitor. <b>2014</b> , 1024, 327-330	
1513	Cobalt-based compounds and composites as electrode materials for high-performance electrochemical capacitors. <b>2014</b> , 2, 17212-17248	139
1512	One-step electrodeposited nickel cobalt sulfide nanosheet arrays for high-performance asymmetric supercapacitors. <b>2014</b> , 8, 9531-41	599
1511	Nanoporous polymer scaffold-embedded nonwoven composite separator membranes for high-rate lithium-ion batteries. <b>2014</b> , 4, 54312-54321	11
1510	One-step synthesis of TiO <sub>2</sub> nanorod arrays on Ti foil for supercapacitor application. <b>2014</b> , 25, 435406	19
1509	Hollow structured and flower-like C@MnCo <sub>2</sub> O <sub>4</sub> composite for high electrochemical performance in a supercapacitor. <b>2014</b> , 16, 9873-9881	79
1508	Preparation of new self-humidifying composite membrane by incorporating graphene and phosphotungstic acid into sulfonated poly(ether ether ketone) film. <b>2014</b> , 39, 17162-17177	16
1507	3D Ni <sub>3</sub> S <sub>2</sub> nanosheet arrays supported on Ni foam for high-performance supercapacitor and non-enzymatic glucose detection. <b>2014</b> , 2, 15111	294
1506	High-performance aqueous battery with double hierarchical nanoarrays. <b>2014</b> , 10, 229-234	24
1505	High-performance supercapacitor electrode based on the unique ZnO@Co <sub>3</sub> O <sub>4</sub> core/shell heterostructures on nickel foam. <b>2014</b> , 6, 15905-12	188
1504	Layered polyaniline/graphene film from sandwich-structured polyaniline/graphene/polyaniline nanosheets for high-performance pseudosupercapacitors. <b>2014</b> , 2, 4642-4651	178
1503	Flexible, sandwich-like Ag-nanowire/PEDOT:PSS-nanopillar/MnO <sub>2</sub> high performance supercapacitors. <b>2014</b> , 2, 10923-10929	109
1502	Lithium titanate hybridized with trace amount of graphene used as an anode for a high rate lithium ion battery. <b>2014</b> , 142, 247-253	10

1501	Efficient high active mass paper-based energy-storage devices containing free-standing additive-less polypyrroleâ€¦nanocellulose electrodes. <b>2014</b> , 2, 7711-7716		56
1500	Nitrogen-enriched, double-shelled carbon/layered double hydroxide hollow microspheres for excellent electrochemical performance. <b>2014</b> , 6, 10887-95		65
1499	MnO nanoparticles interdispersed in 3D porous carbon framework for high performance lithium-ion batteries. <b>2014</b> , 6, 12713-8		71
1498	Self-Organization of a Hydrophilic Short-Chain Ionic Liquid Confined within a Hydrophobic Nanopore. <b>2014</b> , 118, 17764-17772		16
1497	High-performance asymmetric supercapacitors with lithium intercalation reaction using metal oxide-based composites as electrode materials. <b>2014</b> , 2, 16678-16686		91
1496	Effect of phenolic resin infiltration content on the structural and electrochemical properties of hierarchical porous carbons. <b>2014</b> , 49, 7489-7496		10
1495	Fe3O4/carbon nanotubes/polyaniline ternary composites with synergistic effects for high performance supercapacitors. <b>2014</b> , 4, 52393-52401		31
1494	Highly reversible and large lithium storage in mesoporous si/c nanocomposite anodes with silicon nanoparticles embedded in a carbon framework. <i>Advanced Materials</i> , <b>2014</b> , 26, 6749-55	24	234
1493	Reduced graphene oxide/Ni(1-x)Co(x)Al-layered double hydroxide composites: preparation and high supercapacitor performance. <b>2014</b> , 43, 11667-75		106
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1476	Fluorographene nanosheets enhanced hydrogen absorption and desorption performances of magnesium hydride. <b>2014</b> , 39, 12715-12726	23
1475	Hybrid device employing three-dimensional arrays of MnO in carbon nanosheets bridges battery-supercapacitor divide. <b>2014</b> , 14, 1987-94	249
1474	Hydrogenation of nanostructured semiconductors for energy conversion and storage. <b>2014</b> , 59, 2144-2161	14
1473	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
1472	Superstructure transformations from hexagonal to tetragonal microplates and nested two-dimensional nanonetworks. <b>2014</b> , 59, 1787-1793	5
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1470	Effects of Pore Structure on Performance of An Activated-Carbon Supercapacitor Electrode Recycled from Scrap Waste Tires. <b>2014</b> , 2, 1592-1598	227
1469	Nitrogen-Doped Hierarchical Porous Carbon Nanowhisker Ensembles on Carbon Nanofiber for High-Performance Supercapacitors. <b>2014</b> , 2, 1525-1533	91
1468	Hydrothermal synthesis of NiCo <sub>2</sub> O <sub>4</sub> nanowires/nitrogen-doped graphene for high-performance supercapacitor. <b>2014</b> , 314, 1000-1006	42
1467	Facile synthesis of single-crystalline NiO nanosheet arrays on Ni foam for high-performance supercapacitors. <b>2014</b> , 16, 2878-2884	119
1466	Exceptional pseudocapacitive properties of hierarchical NiO ultrafine nanowires grown on mesoporous NiO nanosheets. <b>2014</b> , 2, 12799-12804	44

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1456	Fabrication of 1D nickel sulfide nanocrystals with high capacitances and remarkable durability. <b>2014</b> , 4, 47513-47516	16
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1320	Composites of MnO <sub>2</sub> nanocrystals and partially graphitized hierarchically porous carbon spheres with improved rate capability for high-performance supercapacitors. <b>2015</b> , 93, 258-265	47
1319	Fe <sub>3</sub> O <sub>4</sub> nanoplates/carbon network synthesized by in situ pyrolysis of an organic-inorganic layered hybrid as a high-performance lithium-ion battery anode. <b>2015</b> , 3, 14210-14216	29
1318	Construction of Co/Co <sub>3</sub> O <sub>4</sub> ternary core-branch arrays as enhanced anode materials for lithium ion batteries. <b>2015</b> , 293, 585-591	42
1317	High-performance silicon-based multicomponent battery anodes produced via synergistic coupling of multifunctional coating layers. <b>2015</b> , 8, 2075-2084	110
1316	Organic solvent soluble methyltriphenylphosphonium peroxodisulfate: a novel oxidant for the synthesis of polyaniline and the thus prepared polyaniline in high performance supercapacitors. <b>2015</b> , 39, 5382-5388	24
1315	Biomimetic synthesis of novel calcium carbonate heterogeneous dendrites. <b>2015</b> , 39, 5309-5315	3
1314	Novel stearic acid/graphene core-shell composite microcapsule as a phase change material exhibiting high shape stability and performance. <b>2015</b> , 137, 227-234	66
1313	Nanoarrays: design, preparation and supercapacitor applications. <b>2015</b> , 5, 55856-55869	53
1312	Composite materials based on reduced graphene oxide and polyaniline. Composition, morphology, electrochemical properties. <b>2015</b> , 51, 916-924	3
1311	Comprehending the effect of MMoO <sub>4</sub> (M = Co, Ni) nanoflakes on improving the electrochemical performance of NiO electrodes. <b>2015</b> , 44, 21131-40	8
1310	Controlled electrosynthesis of polyaniline on branched surface of reduced graphene oxide. <b>2015</b> , 51, 976-985	3
1309	Highly conductive, porous RuO <sub>2</sub> /activated carbon nanofiber composites containing graphene for electrochemical capacitor electrodes. <b>2015</b> , 186, 337-344	35
1308	Self-supported yolk-shell nanocolloids towards high capacitance and excellent cycling performance. <b>2015</b> , 18, 273-282	48
1307	Catalysis of Lithium Chloride and Alkali Metal Borohydrides on Hydrogen Generation of Ammonia and Lithium Hydride System. <b>2015</b> , 119, 19922-19927	9
1306	Chemical Solution Deposition of Ferroelectric Hafnium Oxide for Future Lead Free Ferroelectric Devices. <b>2015</b> , 4, P419-P423	50
1305	Ultrafast high-volumetric sodium storage of folded-graphene electrodes through surface-induced redox reactions. <b>2015</b> , 1, 112-118	69
1304	Improvement of the overall performances of LiMn <sub>2</sub> O <sub>4</sub> via surface-modification by polypyrrole. <b>2015</b> , 71, 91-97	26

1303	Nickel Sulfide Nanoparticles Synthesized by Microwave-assisted Method as Promising Supercapacitor Electrodes: An Experimental and Computational Study. <b>2015</b> , 182, 361-367	77
1302	Synthesis and characterization of porous cobalt oxide/copper oxide nanoplate as novel electrode material for supercapacitors. <b>2015</b> , 25, 4054-4062	14
1301	Synthesis of Fibrous Complex Structures: Designing Microstructure to Deliver Targeted Macroscale Response. <b>2015</b> , 67,	89
1300	Improved dehydrogenation performance of LiBH <sub>4</sub> by 3D hierarchical flower-like MoS <sub>2</sub> spheres additives. <b>2015</b> , 300, 358-364	29
1299	Control of electrochemical properties of nickel-rich layered cathode materials for lithium ion batteries by variation of the manganese to cobalt ratio. <b>2015</b> , 275, 877-883	85
1298	Revisit of metallothermic reduction for macroporous Si: compromise between capacity and volume expansion for practical Li-ion battery. <b>2015</b> , 12, 161-168	54
1297	Rational Design of Porous MnO <sub>2</sub> Tubular Arrays via Facile and Templated Method for High Performance Supercapacitors. <b>2015</b> , 154, 329-337	49
1296	Enhanced energy storage density of Ba <sub>0.4</sub> Sr <sub>0.6</sub> TiO <sub>3</sub> •MgO composite prepared by spark plasma sintering. <b>2015</b> , 35, 1469-1476	174
1295	Influence of pore symmetries on the supercapacitive performance of mesoporous carbons co-templated by F127 and PDMS•PEO. <b>2015</b> , 206, 81-85	10
1294	High performance supercapacitor based on graphene-silver nanoparticles-polypyrrole nanocomposite coated on glassy carbon electrode. <b>2015</b> , 276, 262-270	148
1293	A combined salt•hard templating approach for synthesis of multi-modal porous carbons used for probing the simultaneous effects of porosity and electrode engineering on EDLC performance. <b>2015</b> , 87, 29-43	24
1292	Towards superior volumetric performance: design and preparation of novel carbon materials for energy storage. <b>2015</b> , 8, 1390-1403	304
1291	Tin dioxide dodecahedral nanocrystals anchored on graphene sheets with enhanced electrochemical performance for lithium-ion batteries. <b>2015</b> , 159, 46-51	24
1290	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. <b>2015</b> , 86, 310-317	57
1289	Design and fabrication of energetic superlattice like-PTFE/Al with superior performance and application in functional micro-initiator. <b>2015</b> , 12, 597-605	52
1288	Facile synthesis of nanographene sheet hybrid •MnO <sub>2</sub> nanotube and nanoparticle as high performance electrode materials for supercapacitor. <b>2015</b> , 634, 12-18	26
1287	Electrochemical performance of an asymmetric supercapacitor based on graphene and cobalt molybdate electrodes. <b>2015</b> , 5, 16319-16327	58
1286	Activated porous carbon prepared from paulownia flower for high performance supercapacitor electrodes. <b>2015</b> , 157, 290-298	180

1285	High performance, All solid state, flexible Supercapacitor based on Ionic liquid functionalized Graphene. <b>2015</b> , 157, 245-251	55
1284	N-substituted defective graphene sheets: promising electrode materials for Na-ion batteries. <b>2015</b> , 5, 17042-17048	24
1283	Synthesis of surfactant-free SnS nanorods by a solvothermal route with better electrochemical properties towards supercapacitor applications. <b>2015</b> , 5, 17228-17235	83
1282	Ultralong MnO <sub>2</sub> nanowires intercalated graphene/Co <sub>3</sub> O <sub>4</sub> composites for asymmetric supercapacitors. <b>2015</b> , 147, 123-127	36
1281	A facile approach to synthesize stable CNTs@MnO electrocatalyst for high energy lithium oxygen batteries. <b>2015</b> , 5, 8012	31
1280	Designing 3D highly ordered nanoporous CuO electrodes for high-performance asymmetric supercapacitors. <b>2015</b> , 7, 4851-60	278
1279	Shell Structure Control of PPy-Modified CuO Composite Nanoleaves for Lithium Batteries with Improved Cyclic Performance. <b>2015</b> , 3, 507-517	45
1278	Adjusting electrode initial potential to obtain high-performance asymmetric supercapacitor based on porous vanadium pentoxide nanotubes and activated carbon nanorods. <b>2015</b> , 279, 358-364	57
1277	Cobalt oxide-carbon nanosheet nanoarchitecture as an anode for high-performance lithium-ion battery. <b>2015</b> , 7, 2882-90	92
1276	Low-temperature and template-free fabrication of cobalt oxide acicular nanotube arrays and their applications in supercapacitors. <b>2015</b> , 3, 4042-4048	14
1275	Improved electrochemical and thermal properties of nickel rich LiNi <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> O <sub>2</sub> cathode materials by SiO <sub>2</sub> coating. <b>2015</b> , 282, 45-50	216
1274	The preparation and electrochemical characterization of urchin-like NiCo <sub>2</sub> O <sub>4</sub> nanostructures. <b>2015</b> , 332, 247-252	21
1273	Characterization of MgCo <sub>2</sub> O <sub>4</sub> as an electrode for high performance supercapacitors. <b>2015</b> , 161, 312-321	231
1272	Composite Nanoarchitectonics for Ternary Systems of Reduced Graphene Oxide/Carbon Nanotubes/Nickel Oxide with Enhanced Electrochemical Capacitor Performance. <b>2015</b> , 25, 267-274	63
1271	Applications for CO <sub>2</sub> -Activated Carbon Monoliths: II. EDLC Electrodes. <b>2015</b> , 12, E127-E132	5
1270	First-Principles Investigation of Transition Metal Dichalcogenide Nanotubes for Li and Mg Ion Battery Applications. <b>2015</b> , 119, 4302-4311	41
1269	A Facile approach to NiCoO <sub>2</sub> intimately standing on nitrogen doped graphene sheets by one-step hydrothermal synthesis for supercapacitors. <b>2015</b> , 3, 7121-7131	83
1268	Permselective graphene oxide membrane for highly stable and anti-self-discharge lithium-sulfur batteries. <b>2015</b> , 9, 3002-11	605

1267	Isokinetic Temperature and Size-Controlled Activation of Ruthenium-Catalyzed Ammonia Borane Hydrolysis. <b>2015</b> , 5, 1726-1735	85
1266	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
1265	Atomic layer deposition encapsulated activated carbon electrodes for high voltage stable supercapacitors. <b>2015</b> , 7, 1899-906	24
1264	Silica nanonetwork confined in nitrogen-doped ordered mesoporous carbon framework for high-performance lithium-ion battery anodes. <b>2015</b> , 7, 3971-5	76
1263	Metal matrix-metal nanoparticle composites with tunable melting temperature and high thermal conductivity for phase-change thermal storage. <b>2015</b> , 9, 1341-51	70
1262	Hydrogen peroxide assisted synthesis of LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> as high-performance cathode for lithium-ion batteries. <b>2015</b> , 280, 263-271	41
1261	Ultrathin mesoporous Co <sub>3</sub> O <sub>4</sub> nanosheets on Ni foam for high-performance supercapacitors. <b>2015</b> , 157, 62-68	73
1260	Cellulose nanofibril/reduced graphene oxide/carbon nanotube hybrid aerogels for highly flexible and all-solid-state supercapacitors. <b>2015</b> , 7, 3263-71	292
1259	Improved electrochemical performance of the spherical LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> particles modified by nano-Y <sub>2</sub> O <sub>3</sub> coating. <b>2015</b> , 19, 1235-1246	20
1258	Ultrathin porous nickel-cobalt hydroxide nanosheets for high-performance supercapacitor electrodes. <b>2015</b> , 5, 17007-17013	54
1257	Influence of particle size on performance of a nickel oxide nanoparticle-based supercapacitor. <b>2015</b> , 5, 14010-14019	115
1256	Lithium-ion batteries (LIBs) for medium- and large-scale energy storage. <b>2015</b> , 213-289	4
1255	Graphite nanosheets/nanoporous carbon black/cerium oxide nanoparticles as an electrode material for electrochemical capacitors. <b>2015</b> , 200, 117-122	5
1254	Open-pore LiFePO <sub>4</sub> /C microspheres with high volumetric energy density for lithium ion batteries. <b>2015</b> , 22, 24-29	19
1253	Solvent responsive silica composite nanofiltration membrane with controlled pores and improved ion selectivity for vanadium flow battery application. <b>2015</b> , 274, 1126-1134	33
1252	Effects of morphology and chemical doping on electrochemical properties of metal hydroxides in pseudocapacitors. <b>2015</b> , 7, 3181-8	40
1251	Highly-crystalline ultrathin Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanosheets decorated with silver nanocrystals as a high-performance anode material for lithium ion batteries. <b>2015</b> , 276, 247-254	90
1250	Polyvinylpyrrolidone/polyvinyl butyral composite as a stable binder for castable supercapacitor electrodes in aqueous electrolytes. <b>2015</b> , 279, 323-333	38

1249	Excellent catalytic effects of multi-walled carbon nanotube supported titania on hydrogen storage of a Mg-Ni alloy. <b>2015</b> , 51, 2368-71	31
1248	Fiber-Shaped Supercapacitor. <b>2015</b> , 117-145	1
1247	A high-density graphene-sulfur assembly: a promising cathode for compact Li-S batteries. <b>2015</b> , 7, 5592-7	83
1246	Flexible and stackable laser-induced graphene supercapacitors. <b>2015</b> , 7, 3414-9	265
1245	Synthesis and characterization of NiCo <sub>2</sub> O <sub>4</sub> nanorods for preparation of supercapacitor electrodes. <b>2015</b> , 19, 269-274	74
1244	Hierarchically Ordered Porous CoOOH Thin-Film Electrodes for High-Performance Supercapacitors. <b>2015</b> , 2, 497-502	33
1243	Electrochemical Supercapacitors for Energy Storage and Conversion. <b>2015</b> , 1-25	105
1242	Facile Synthesis of Three Dimensional NiCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> Core-Shell Nanosheet Arrays and its Supercapacitive Performance. <b>2015</b> , 157, 31-40	78
1241	Combination of nanosizing and interfacial effect: Future perspective for designing Mg-based nanomaterials for hydrogen storage. <b>2015</b> , 44, 289-303	128
1240	Facile synthesis of shape-controlled graphene-polyaniline composites for high performance supercapacitor electrode materials. <b>2015</b> , 39, 2261-2268	94
1239	Contribution of radicals and ions in catalyzed growth of single-walled carbon nanotubes from low-temperature plasmas. <b>2015</b> , 22, 013504	13
1238	Free-standing porous carbon nanofiber/ultrathin graphite hybrid for flexible solid-state supercapacitors. <b>2015</b> , 9, 481-7	89
1237	Growth of three dimensional flower-like molybdenum disulfide hierarchical structures on graphene/carbon nanotube network: An advanced heterostructure for energy storage devices. <b>2015</b> , 280, 39-46	42
1236	Lithium-ion batteries (LIBs) for medium- and large-scale energy storage:: current cell materials and components. <b>2015</b> , 125-211	7
1235	Hierarchical NiMn <sub>2</sub> O <sub>4</sub> @CNT nanocomposites for high-performance asymmetric supercapacitors. <b>2015</b> , 5, 24607-24614	60
1234	Enhancement of the electrochemical performance of hydrothermally prepared anatase nanoparticles for optimal use as high capacity anode materials in lithium ion batteries (LIBs). <b>2015</b> , 118, 665-674	15
1233	Hierarchical NiCo <sub>2</sub> O <sub>4</sub> nanowire arrays on Ni foam as an anode for lithium-ion batteries. <b>2015</b> , 5, 23067-23072	36
1232	Li Storage Performance for the Composite Structure Of Graphene and Boron Fullerene. <b>2015</b> , 32, 026102	4

1231	Facile synthesis of graphene supported ultralong TiO <sub>2</sub> nanofibers from the commercial titania for high performance lithium-ion batteries. <b>2015</b> , 3, 6642-6648	32
1230	Fabrication of RGD micro/nanopattern and corresponding study of stem cell differentiation. <b>2015</b> , 15, 1457-67	146
1229	Synthesis and Characterization of Poly-3,4-ethylenedioxythiophene/2,5-Dimercapto-1,3,4-thiadiazole (PEDOT-DMcT) Hybrids. <b>2015</b> , 167, 55-60	20
1228	Cobalt vanadium oxide thin nanoplates: primary electrochemical capacitor application. <b>2014</b> , 4, 5687	56
1227	Template-directed construction of nanostructure arrays for highly-efficient energy storage and conversion. <b>2015</b> , 13, 790-813	81
1226	3D Nanostructure of Carbon Nanotubes Decorated Co <sub>3</sub> O <sub>4</sub> Nanowire Arrays for High Performance Supercapacitor Electrode. <b>2015</b> , 163, 9-15	62
1225	Designed synthesis of cobalt-oxide-based nanomaterials for superior electrochemical energy storage devices. <b>2015</b> , 8, 321-339	58
1224	MnO <sub>2</sub> nanoflakes/hierarchical porous carbon nanocomposites for high-performance supercapacitor electrodes. <b>2015</b> , 164, 252-259	62
1223	Graphene and MWCNT based bi-functional polymer nanocomposites with enhanced microwave absorption and supercapacitor property. <b>2015</b> , 66, 200-212	39
1222	High-performance and ultra-stable lithium-ion batteries based on MOF-derived ZnO@ZnO quantum dots/C core-shell nanorod arrays on a carbon cloth anode. <i>Advanced Materials</i> , <b>2015</b> , 27, 2400-5 <sup>24</sup>	528
1221	In Situ-Formed, Amorphous, Oxygen-Enabled Germanium Anode with Robust Cycle Life for Reversible Lithium Storage. <b>2015</b> , 2, 737-742	48
1220	Facile fabrication and supercapacitive properties of mesoporous zinc cobaltite microspheres. <b>2015</b> , 284, 138-145	53
1219	Recent developments in electrode materials for sodium-ion batteries. <b>2015</b> , 3, 9353-9378	357
1218	Graphene foam functionalized with electrodeposited nickel hydroxide for energy applications. <b>2015</b> , 57, 63-67	14
1217	Three-dimensional Co <sub>3</sub> O <sub>4</sub> @C@Ni <sub>3</sub> S <sub>2</sub> sandwich-structured nanoneedle arrays: towards high-performance flexible all-solid-state asymmetric supercapacitors. <b>2015</b> , 3, 16150-16161	155
1216	Recent advances on multi-component hybrid nanostructures for electrochemical capacitors. <b>2015</b> , 294, 31-50	94
1215	Alternating Stacked Graphene-Conducting Polymer Compact Films with Ultrahigh Areal and Volumetric Capacitances for High-Energy Micro-Supercapacitors. <i>Advanced Materials</i> , <b>2015</b> , 27, 4054-61 <sup>24</sup>	249
1214	High performance hybrid Al <sub>2</sub> O <sub>3</sub> /poly(vinyl alcohol-co-ethylene) nanofibrous membrane for lithium-ion battery separator. <b>2015</b> , 176, 949-955	44

1213	High-energy, stable and recycled molecular solar thermal storage materials using AZO/graphene hybrids by optimizing hydrogen bonds. <b>2015</b> , 7, 16214-21	45
1212	Nitrogen, oxygen and phosphorus decorated porous carbons derived from shrimp shells for supercapacitors. <b>2015</b> , 176, 982-988	168
1211	A B4C nanowire and carbon nanotube composite as a novel bifunctional electrocatalyst for high energy lithium oxygen batteries. <b>2015</b> , 3, 18395-18399	19
1210	Novel route to synthesis of N-doped graphene/CuNi oxide composite for high electrochemical performance. <b>2015</b> , 94, 962-970	66
1209	A new solid material for hydrogen storage. <b>2015</b> , 40, 10502-10507	12
1208	Crumpled graphene: preparation and applications. <b>2015</b> , 5, 66767-66796	52
1207	In situ synthesis of mesoporous manganese oxide/sulfur-doped graphitized carbon as a bifunctional catalyst for oxygen evolution/reduction reactions. <b>2015</b> , 94, 1028-1036	62
1206	Synthesis of shish-kebab-like NiO@Co3O4 nanowire arrays and their application for electrochemical energy storage. <b>2015</b> , 159, 313-316	10
1205	Shape-controlled synthesis of mesoporous iron phosphate materials with crystallized frameworks. <b>2015</b> , 51, 13806-9	18
1204	Click-In Ferroelectric Nanoparticles for Dielectric Energy Storage. <b>2015</b> , 7, 17819-25	14
1203	BaTiO3BiYbO3 perovskite materials for energy storage applications. <b>2015</b> , 3, 18146-18153	291
1202	Comparison of surface and bulk nitrogen modification in highly porous carbon for enhanced supercapacitors. <b>2015</b> , 58, 521-533	23
1201	One-Pot Synthesis of Copper Sulfide Nanowires/Reduced Graphene Oxide Nanocomposites with Excellent Lithium-Storage Properties as Anode Materials for Lithium-Ion Batteries. <b>2015</b> , 7, 15726-34	106
1200	One-pot hydrothermal synthesis, characterization, and electrochemical properties of rGO/MnFe2O4 nanocomposites. <b>2015</b> , 54, 06FH10	28
1199	Hydrothermal synthesis and electrochemical properties of V2O5 nanomaterials with different dimensions. <b>2015</b> , 41, 12626-12632	57
1198	Facile in-situ redox synthesis of hierarchical porous activated carbon@MnO2 core/shell nanocomposite for supercapacitors. <b>2015</b> , 41, 12734-12741	35
1197	Iodine doped graphene as anode material for lithium ion battery. <b>2015</b> , 94, 1-8	72
1196	A general strategy of decorating 3D carbon nanofiber aerogels derived from bacterial cellulose with nano-Fe3O4 for high-performance flexible and binder-free lithium-ion battery anodes. <b>2015</b> , 3, 15386-15393	83



1195	Hydrothermal synthesis of urchin-like MnO <sub>2</sub> nanostructures and its electrochemical character for supercapacitor. <b>2015</b> , 351, 862-868	58
1194	Two-dimensional titanium carbide electrode with large mass loading for supercapacitor. <b>2015</b> , 294, 354-359	158
1193	Novel Zn <sub>2</sub> V <sub>2</sub> O <sub>7</sub> hierarchical nanostructures: Optical and hydrogen storage properties. <b>2015</b> , 40, 9359-9364	21
1192	Superstructured Assembly of Nanocarbons: Fullerenes, Nanotubes, and Graphene. <b>2015</b> , 115, 7046-117	381
1191	Electrode thickness control: Precondition for quite different functions of graphene conductive additives in LiFePO <sub>4</sub> electrode. <b>2015</b> , 92, 311-317	34
1190	Ultrasmall SnO <sub>2</sub> nanoparticle-intercalated graphene@polyaniline composites as an active electrode material for supercapacitors in different electrolytes. <b>2015</b> , 207, 110-115	38
1189	Multiphase and Double-Layer NiFe <sub>2</sub> O <sub>4</sub> @NiO-Hollow-Nanosphere-Decorated Reduced Graphene Oxide Composite Powders Prepared by Spray Pyrolysis Applying Nanoscale Kirkendall Diffusion. <b>2015</b> , 7, 16842-9	50
1188	Microwave Hydrothermal Synthesis of Ni-based Metal-Organic Frameworks and Their Derived Yolk-Shell NiO for Li-Ion Storage and Supported Ammonia Borane for Hydrogen Desorption. <b>2015</b> , 3, 1830-1838	75
1187	Vertically oriented Ni <sub>3</sub> S <sub>2</sub> /RGO/Ni <sub>3</sub> S <sub>2</sub> nanosheets on Ni foam for superior supercapacitors. <b>2015</b> , 5, 63528-63536	36
1186	A reduced graphene oxide modified metallic cobalt composite with superior electrochemical performance for supercapacitors. <b>2015</b> , 5, 63553-63560	49
1185	Highly-crystalline ultrathin gadolinium doped and carbon-coated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanosheets for enhanced lithium storage. <b>2015</b> , 295, 305-313	61
1184	Environmental and health impact assessment of Liquid Organic Hydrogen Carrier (LOHC) systems – challenges and preliminary results. <b>2015</b> , 8, 1035-1045	134
1183	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
1182	Reversible Lithium Storage in Manganese 1,3,5-Benzenetricarboxylate Metal-Organic Framework with High Capacity and Rate Performance. <b>2015</b> , 7, 16357-63	220
1181	3D hierarchically mesoporous Cu-doped NiO nanostructures as high-performance anode materials for lithium ion batteries. <b>2015</b> , 17, 9336-9347	34
1180	Formation of hierarchical CoMoO <sub>4</sub> @MnO <sub>2</sub> core-shell nanosheet arrays on nickel foam with markedly enhanced pseudocapacitive properties. <b>2015</b> , 296, 162-168	46
1179	Nanonet-structured poly(m-phenylene isophthalamide)-polyurethane membranes with enhanced thermostability and wettability for high power lithium ion batteries. <b>2015</b> , 5, 55478-55485	49
1178	A Zn-NiO rechargeable battery with long lifespan and high energy density. <b>2015</b> , 3, 8280-8283	112

1177	Ultra-thick porous films of graphene-encapsulated silicon nanoparticles as flexible anodes for lithium ion batteries. <b>2015</b> , 174, 688-695	37
1176	Facile synthesis of ultrahigh-surface-area hollow carbon nanospheres for enhanced adsorption and energy storage. <b>2015</b> , 6, 7221	473
1175	Printed electrodes for flexible, light-weight solid-state supercapacitors – a feasibility study. <b>2015</b> , 41, 80-86	13
1174	Effect of Silica and Tin Oxide Nanoparticles on Properties of Nanofibrous Electrospun Separators. <b>2015</b> , 162, A915-A920	26
1173	In suit growth of ultradispersed NiCo <sub>2</sub> S <sub>4</sub> nanoparticles on graphene for asymmetric supercapacitors. <b>2015</b> , 176, 44-50	89
1172	Carbon nanotubes@metal-organic frameworks as Mn-based symmetrical supercapacitor electrodes for enhanced charge storage. <b>2015</b> , 5, 58100-58106	106
1171	Enhanced electrochemical performance of a crosslinked polyaniline-coated graphene oxide-sulfur composite for rechargeable lithium-sulfur batteries. <b>2015</b> , 294, 386-392	58
1170	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
1169	Polypyrrole-polyoxometalate/reduced graphene oxide ternary nanohybrids for flexible, all-solid-state supercapacitors. <b>2015</b> , 51, 12377-80	81
1168	An advanced aqueous sodium-ion supercapacitor with a manganous hexacyanoferrate cathode and a Fe <sub>3</sub> O <sub>4</sub> /rGO anode. <b>2015</b> , 3, 16013-16019	107
1167	A facile approach to prepare biomimetic composite separators toward safety-enhanced lithium secondary batteries. <b>2015</b> , 5, 39392-39398	19
1166	Hydrophilic Hierarchical Nitrogen-Doped Carbon Nanocages for Ultrahigh Supercapacitive Performance. <i>Advanced Materials</i> , <b>2015</b> , 27, 3541-5	24 573
1165	Flexible Carbon Nanotube@Graphene/Sulfur Composite Film: Free-Standing Cathode for High-Performance Lithium/Sulfur Batteries. <b>2015</b> , 119, 10288-10294	109
1164	Advanced graphene nanomaterials for electrochemical energy storage. <b>2015</b> , 19, 7-19	15
1163	Facile preparation of flower-like NiCo <sub>2</sub> O <sub>4</sub> /three dimensional graphene foam hybrid for high performance supercapacitor electrodes. <b>2015</b> , 89, 328-339	120
1162	Controlled facile synthesis of hierarchical CuO@MnO <sub>2</sub> core-shell nanosheet arrays for high-performance lithium-ion battery. <b>2015</b> , 641, 80-86	26
1161	High-Density Lithium-Ion Energy Storage Utilizing the Surface Redox Reactions in Folded Graphene Films. <b>2015</b> , 27, 3291-3298	64
1160	Hollow melamine resin-based carbon spheres/graphene composite with excellent performance for supercapacitors. <b>2015</b> , 166, 310-319	78

1159	Combined chemical looping for energy storage and conversion. <b>2015</b> , 286, 362-370	36
1158	An electrochemical exploration of hollow NiCo <sub>2</sub> O <sub>4</sub> submicrospheres and its capacitive performances. <b>2015</b> , 287, 307-315	65
1157	Facile solvothermal synthesis of porous ZnFe <sub>2</sub> O <sub>4</sub> microspheres for capacitive pseudocapacitors. <b>2015</b> , 5, 39270-39277	65
1156	High-performance asymmetric full-cell supercapacitors based on CoNi <sub>2</sub> S <sub>4</sub> nanoparticles and activated carbon. <b>2015</b> , 19, 2177-2188	24
1155	Synthesis of nickel oxide nanospheres by a facile spray drying method and their application as anode materials for lithium ion batteries. <b>2015</b> , 70, 200-203	12
1154	Effect of silicon doping on the electrochemical properties of MoP <sub>2</sub> nano-cluster anode for lithium ion batteries. <b>2015</b> , 639, 296-300	16
1153	Roll-to-roll fabrication of organic nanorod electrodes for sodium ion batteries. <b>2015</b> , 13, 537-545	73
1152	Effects of substrate temperature on the growth, structural and optical properties of NiSi/SiC core-shell nanowires. <b>2015</b> , 343, 70-76	12
1151	Iron oxide-decorated carbon for supercapacitor anodes with ultrahigh energy density and outstanding cycling stability. <b>2015</b> , 9, 5198-207	375
1150	Quantum-Chemical Characterization of the Properties and Reactivities of Metal-Organic Frameworks. <b>2015</b> , 115, 6051-111	197
1149	Semiconductor nanowire battery electrodes. <b>2015</b> , 441-469	1
1148	Graphene based integrated tandem supercapacitors fabricated directly on separators. <b>2015</b> , 15, 1-8	26
1147	Polypyrrole-MnO <sub>2</sub> -Coated Textile-Based Flexible-Stretchable Supercapacitor with High Electrochemical and Mechanical Reliability. <b>2015</b> , 7, 9228-34	132
1146	Influence of CTAB on morphology, structure, and supercapacitance of Ni(OH) <sub>2</sub> . <b>2015</b> , 21, 533-540	9
1145	Improving the kinetics and surface stability of sodium manganese oxide cathode materials for sodium rechargeable batteries with Al <sub>2</sub> O <sub>3</sub> /MWCNT hybrid networks. <b>2015</b> , 3, 10730-10737	13
1144	One-pot synthesis of sandwich-like reduced graphene oxide@CoNiAl layered double hydroxide with excellent pseudocapacitive properties. <b>2015</b> , 3, 10858-10863	51
1143	Lithiation of silicon nanoparticles confined in carbon nanotubes. <b>2015</b> , 9, 5063-71	91
1142	Electrochemical fabrication of Ni(OH) <sub>2</sub> /Ni <sub>3</sub> D porous composite films as integrated capacitive electrodes. <b>2015</b> , 5, 12931-12936	54

1141	Synthesis of a flower-like Co-doped Ni(OH) <sub>2</sub> composite for high-performance supercapacitors. <b>2015</b> , 5, 48181-48186	21
1140	Flexible Boron-Doped Laser-Induced Graphene Microsupercapacitors. <b>2015</b> , 9, 5868-75	410
1139	Chemical vapor deposition and atomic layer deposition for advanced lithium ion batteries and supercapacitors. <b>2015</b> , 8, 1889-1904	185
1138	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
1137	Enhanced electrochemical performance of template-free carbon-coated iron(II, III) oxide hollow nanofibers as anode material for lithium-ion batteries. <b>2015</b> , 284, 392-399	50
1136	Scalable, template-free synthesis of conducting polymer microtubes. <b>2015</b> , 5, 25504-25512	11
1135	High performance solid state flexible supercapacitor based on molybdenum sulfide hierarchical nanospheres. <b>2015</b> , 285, 63-69	287
1134	Renewable-juglone-based high-performance sodium-ion batteries. <i>Advanced Materials</i> , <b>2015</b> , 27, 2348-544	181
1133	Tubular TiC fibre nanostructures as supercapacitor electrode materials with stable cycling life and wide-temperature performance. <b>2015</b> , 8, 1559-1568	188
1132	Hydrothermal Self-assembly of Manganese Dioxide/Manganese Carbonate/Reduced Graphene Oxide Aerogel for Asymmetric Supercapacitors. <b>2015</b> , 164, 154-162	99
1131	Surfactant-assisted hydrothermal synthesis of ultrafine CoMoO <sub>4</sub> ·0.9H <sub>2</sub> O nanorods towards high-performance supercapacitors. <b>2015</b> , 39, 5507-5512	17
1130	Design and synthesis of 3D hierarchical NiCo <sub>2</sub> S <sub>4</sub> @MnO <sub>2</sub> core-shell nanosheet arrays for high-performance pseudocapacitors. <b>2015</b> , 5, 44642-44647	52
1129	Rational synthesis of ZnMn <sub>2</sub> O <sub>4</sub> porous spheres and graphene nanocomposite with enhanced performance for lithium-ion batteries. <b>2015</b> , 3, 11430-11436	55
1128	A post-oxidation strategy for the synthesis of graphene/carbon nanotube-supported polyaniline nanocomposites as advanced supercapacitor electrodes. <b>2015</b> , 5, 24599-24606	12
1127	Green synthesis of 3D SnO <sub>2</sub> /graphene aerogels and their application in lithium-ion batteries. <b>2015</b> , 5, 39746-39751	22
1126	Stober-like method to synthesize ultralight, porous, stretchable Fe <sub>2</sub> O <sub>3</sub> /graphene aerogels for excellent performance in photo-Fenton reaction and electrochemical capacitors. <b>2015</b> , 3, 12820-12827	92
1125	Recent Progress on Printed Flexible Batteries: Mechanical Challenges, Printing Technologies, and Future Prospects. <b>2015</b> , 3, 305-328	125
1124	Synthesis and characterization of VO <sub>2</sub> (B)/graphene nanocomposite for supercapacitors. <b>2015</b> , 26, 4226-4233	34

1123	Design and Synthesis of Bubble-Nanorod-Structured Fe <sub>2</sub> O <sub>3</sub> -Carbon Nanofibers as Advanced Anode Material for Li-Ion Batteries. <b>2015</b> , 9, 4026-35	376
1122	Porous MnO/Mn <sub>3</sub> O <sub>4</sub> nanocomposites for electrochemical energy storage. <b>2015</b> , 13, 702-708	46
1121	Flexible all-solid-state hierarchical NiCo <sub>2</sub> O <sub>4</sub> /porous graphene paper asymmetric supercapacitors with an exceptional combination of electrochemical properties. <b>2015</b> , 13, 306-317	265
1120	Rapid microwave-assisted fabrication of 3D cauliflower-like NiCo <sub>2</sub> S <sub>4</sub> architectures for asymmetric supercapacitors. <b>2015</b> , 5, 21604-21613	82
1119	High energy density Li-ion capacitor assembled with all graphene-based electrodes. <b>2015</b> , 92, 106-118	136
1118	NiCo <sub>2</sub> O <sub>4</sub> nanosheets in-situ grown on three dimensional porous Ni film current collectors as integrated electrodes for high-performance supercapacitors. <b>2015</b> , 286, 371-379	63
1117	Functionalized three-dimensional graphene networks for high performance supercapacitors. <b>2015</b> , 92, 26-30	69
1116	Metal-assisted chemical etching of silicon and the behavior of nanoscale silicon materials as Li-ion battery anodes. <b>2015</b> , 8, 1395-1442	84
1115	Electrospinning with partially carbonization in air: Highly porous carbon nanofibers optimized for high-performance flexible lithium-ion batteries. <b>2015</b> , 13, 693-701	105
1114	Systematic increase of electrocatalytic turnover at nanoporous platinum surfaces prepared by atomic layer deposition. <b>2015</b> , 3, 8450-8458	18
1113	Large-scale synthesis and activation of polygonal carbon nanofibers with thin ribbon-like structures for supercapacitor electrodes. <b>2015</b> , 5, 31837-31844	29
1112	On the interaction of water-soluble binders and nano silicon particles: alternative binder towards increased cycling stability at elevated temperatures. <b>2015</b> , 17, 5632-41	26
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1110	Graphene and Porous Nanocarbon Materials for Supercapacitor Applications. <b>2015</b> , 301-338	1
1109	Graphene for Flexible Lithium-Ion Batteries: Development and Prospects. <b>2015</b> , 119-177	2
1108	Manganese dioxide-anchored three-dimensional nitrogen-doped graphene hybrid aerogels as excellent anode materials for lithium ion batteries. <b>2015</b> , 3, 10403-10412	84
1107	Nanostructured transition metal oxides as advanced anodes for lithium-ion batteries. <b>2015</b> , 60, 823-838	160
1106	A three-dimensional MnO <sub>2</sub> /graphene hybrid as a binder-free supercapacitor electrode. <b>2015</b> , 5, 85613-85619	34

1105	A review of negative electrode materials for electrochemical supercapacitors. <b>2015</b> , 58, 1799-1808	65
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1103	Design and preparation of highly structure-controllable mesoporous carbons at the molecular level and their application as electrode materials for supercapacitors. <b>2015</b> , 3, 22781-22793	41
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1101	Amorphous, Crystalline and Crystalline/Amorphous Selenium Nanowires and Their Different (De)Lithiation Mechanisms. <b>2015</b> , 27, 6730-6736	73
1100	Study on reversible hydrogen sorption behaviors of 3LiBH <sub>4</sub> /graphene and 3LiBH <sub>4</sub> /graphene@0 wt% CeF <sub>3</sub> composites. <b>2015</b> , 5, 82916-82923	7
1099	Pigment-cellulose nanofibril composite and its application as a separator-substrate in printed supercapacitors. <b>2015</b> , 11, 1040-1047	19
1098	Improved electrochemical performances of CuO nanotube array prepared via electrodeposition as anode for lithium ion battery. <b>2015</b> , 70, 795-798	25
1097	Constructing aligned Fe <sub>2</sub> O <sub>3</sub> nanorods with internal void space anchored on reduced graphene oxide nanosheets for excellent lithium storage. <b>2015</b> , 5, 91574-91580	19
1096	Characterization of modified SiC@SiO <sub>2</sub> nanocables/MnO <sub>2</sub> and their potential application as hybrid electrodes for supercapacitors. <b>2015</b> , 44, 19974-82	16
1095	One-step synthesis of an urchin-like sulfur/polyaniline nano-composite as a promising cathode material for high-capacity rechargeable lithium-sulfur batteries. <b>2015</b> , 5, 92918-92922	12
1094	High-Quality Graphene Ribbons Prepared from Graphene Oxide Hydrogels and Their Application for Strain Sensors. <b>2015</b> , 9, 12320-6	116
1093	One-pot synthesis and electrochemical properties of graphene/SnO <sub>2</sub> /poly (p-phenylenediamine) ternary nanocomposites. <b>2015</b> , 652, 9-17	8
1092	Nanostructured Transition Metal Oxides Produced by Electrodeposition for Application as Redox Electrodes for Supercapacitors. <b>2015</b> , 1-27	3
1091	Metal/Oxide Interface Nanostructures Generated by Surface Segregation for Electrocatalysis. <b>2015</b> , 15, 7704-10	186
1090	Nitrogen-Doped Graphene as Electrode Material with Enhanced Energy Density for Next-Generation Supercapacitor Application. <b>2015</b> , 4, M88-M92	12
1089	All-Organic Electrochromic Supercapacitor Electrodes. <b>2015</b> , 162, A2805-A2810	33
1088	Controlled synthesis of hierarchical birnessite-type MnO <sub>2</sub> nanoflowers for supercapacitor applications. <b>2015</b> , 356, 259-265	90

1087	Rechargeable Li-CO <sub>2</sub> batteries with carbon nanotubes as air cathodes. <b>2015</b> , 51, 14636-9	150
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1085	Mesoporous carbons for supercapacitors obtained by the pyrolysis of block copolymers. <b>2015</b> , 30, 302-309	10
1084	Microwave-assisted rapid synthesis of mesoporous nanostructured ZnCo <sub>2</sub> O <sub>4</sub> anode materials for high-performance lithium-ion batteries. <b>2015</b> , 3, 24303-24308	30
1083	Increased working voltage of hexamine-coated porous carbon for supercapacitors. <b>2015</b> , 60, 1587-1597	26
1082	Embedding MnO nanoparticles in robust carbon microsheets for excellent lithium storage properties. <b>2015</b> , 299, 265-272	37
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1080	Intrinsically Coupled 3D [email-protected] Frameworks as Anode Materials for Lithium-Ion Batteries. <b>2015</b> , 27, 7289-7295	24
1079	Multi-functional separator/interlayer system for high-stable lithium-sulfur batteries: Progress and prospects. <b>2015</b> , 1, 127-145	491
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1077	Synthesis of activated carbon nanospheres with hierarchical porous structure for high volumetric performance supercapacitors. <b>2015</b> , 182, 908-916	69
1076	The dielectric properties and microstructure of BaTiO <sub>3</sub> ceramics with ZnO@Nb <sub>2</sub> O <sub>5</sub> composite addition. <b>2015</b> , 646, 748-752	14
1075	Co <sub>3</sub> O <sub>4</sub> @Highly ordered macroporous carbon derived from a mollusc shell for supercapacitors. <b>2015</b> , 5, 75105-75110	18
1074	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
1073	Anti-fluorite Li <sub>6</sub> CoO <sub>4</sub> as an alternative lithium source for lithium ion capacitors: an experimental and first principles study. <b>2015</b> , 3, 12377-12385	48
1072	Preparation and electrochemical analysis of electrodeposited MnO <sub>2</sub> /C composite for advanced capacitor electrode. <b>2015</b> , 298, 123-129	23
1071	Synthesis of CNT@Fe <sub>3</sub> O <sub>4</sub> -C hybrid nanocables as anode materials with enhanced electrochemical performance for lithium ion batteries. <b>2015</b> , 176, 1332-1337	52
1070	High Energy Density Ternary Composite Electrode Material Based on Polyaniline (PANI), Molybdenum trioxide (MoO <sub>3</sub> ) and Graphene Nanoplatelets (GNP) Prepared by Sono-Chemical Method and Their Synergistic Contributions in Superior Supercapacitive Performance. <b>2015</b> , 180, 1-15	67

1069	Oxygen Evolution Catalyzed by Nickel-Iron Oxide Nanocrystals with a Nonequilibrium Phase. <b>2015</b> , 7, 19755-63	41
1068	Poly L-lysine (PLL)-mediated porous hematite clusters as anode materials for improved Li-ion batteries. <b>2015</b> , 11, 815-821	1
1067	Layer-by-Layer Deposition of Organic-Inorganic Hybrid Multilayer on Microporous Polyethylene Separator to Enhance the Electrochemical Performance of Lithium-Ion Battery. <b>2015</b> , 7, 20678-86	105
1066	Growth of nickel silicate nanoplates on reduced graphene oxide as layered nanocomposites for highly reversible lithium storage. <b>2015</b> , 7, 16805-11	44
1065	Hybrids of NiCo <sub>2</sub> O <sub>4</sub> nanorods and nanobundles with graphene as promising electrode materials for supercapacitors. <b>2015</b> , 460, 303-9	40
1064	Seed-assisted synthesis of hierarchical manganese dioxide/carbonaceous sphere composites with enhanced supercapacitor performance. <b>2015</b> , 180, 1033-1040	17
1063	Nonstoichiometric Oxides as Low-Cost and Highly-Efficient Oxygen Reduction/Evolution Catalysts for Low-Temperature Electrochemical Devices. <b>2015</b> , 115, 9869-921	631
1062	Hierarchical nanoarray materials for advanced nickel-zinc batteries. <b>2015</b> , 2, 184-187	72
1061	Layer-by-layer grown scalable redox-active ruthenium-based molecular multilayer thin films for electrochemical applications and beyond. <b>2015</b> , 7, 17685-92	27
1060	Physical mixtures of Si nanoparticles and carbon nanofibers as anode materials for lithium-ion batteries. <b>2015</b> , 54, 085001	1
1059	Freeze-drying assisted synthesis of hierarchical porous carbons for high-performance supercapacitors. <b>2015</b> , 3, 21016-21022	28
1058	Activated Carbon Nanochains with Tailored Micro-Meso Pore Structures and Their Application for Supercapacitors. <b>2015</b> , 119, 21810-21817	19
1057	Supercapacitor electrodes based on nano-polyaniline deposited on hollow carbon spheres derived from cross-linked co-polymers. <b>2015</b> , 209, 369-376	41
1056	TiC-carbide derived carbon electrolyte adsorption study by ways of X-ray scattering analysis. <b>2015</b> , 4, 17	4
1055	Initiated Chemical Vapor Deposition (iCVD) of Highly Cross-Linked Polymer Films for Advanced Lithium-Ion Battery Separators. <b>2015</b> , 7, 18849-55	26
1054	Electrochemical performances of silver nanoparticles decorated polyaniline/graphene nanocomposite in different electrolytes. <b>2015</b> , 653, 486-497	59
1053	3D interconnected porous NiMoO <sub>4</sub> nanoplate arrays on Ni foam as high-performance binder-free electrode for supercapacitors. <b>2015</b> , 3, 22081-22087	81
1052	One-Pot Self-Assembled, Reduced Graphene Oxide/Palladium Nanoparticle Hybrid Aerogels for Electrocatalytic Applications. <b>2015</b> , 180, 902-908	17



1051	The energy-chemistry nexus: A vision of the future from sustainability perspective. <b>2015</b> , 24, 535-547	40
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1049	The development of metal hydrides using as concentrating solar thermal storage materials. <b>2015</b> , 9, 317-331	17
1048	Cotton-Textile-Enabled, Flexible Lithium-Ion Batteries with Enhanced Capacity and Extended Lifespan. <b>2015</b> , 15, 8194-203	173
1047	Synthesis of ternary graphene/molybdenum oxide/poly(p-phenylenediamine) nanocomposites for symmetric supercapacitors. <b>2015</b> , 5, 98278-98287	13
1046	Pulse-Reversal Deposition of Nickel Sulfide Thin Film as an Efficient Cathode Material for Hybrid Supercapacitors. <b>2015</b> , 162, A2762-A2769	21
1045	A smart self-regenerative lithium ion supercapacitor with a real-time safety monitor. <b>2015</b> , 1, 146-151	27
1044	Copper Silicate Hydrate Hollow Spheres Constructed by Nanotubes Encapsulated in Reduced Graphene Oxide as Long-Life Lithium-Ion Battery Anode. <b>2015</b> , 7, 26572-8	71
1043	Supercapacitor electrode materials: nanostructures from 0 to 3 dimensions. <b>2015</b> , 8, 702-730	1739
1042	Graphene-based materials for flexible electrochemical energy storage. <b>2015</b> , 39, 727-740	56
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1040	Influence of iron concentration and post-annealing temperature on structure and pseudocapacitive characteristics of a MnO <sub>2</sub> @Fe <sub>2</sub> O <sub>3</sub> nanocomposite. <b>2015</b> , 19, 381-390	6
1039	Insights on thermal and transport features of BaCe <sub>0.8</sub> Y <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> proton-conducting materials. <b>2015</b> , 278, 436-444	48
1038	Two-dimensional SnS <sub>2</sub> @PANI nanoplates with high capacity and excellent stability for lithium-ion batteries. <b>2015</b> , 3, 3659-3666	110
1037	Mechanical Surface Modification of Lithium Metal: Towards Improved Li Metal Anode Performance by Directed Li Plating. <b>2015</b> , 25, 834-841	294
1036	Mesoporous, hierarchical core/shell structured ZnCo <sub>2</sub> O <sub>4</sub> /MnO <sub>2</sub> nanocone forests for high-performance supercapacitors. <b>2015</b> , 11, 687-696	254
1035	Nano-porous architecture of N-doped carbon nanorods grown on graphene to enable synergetic effects of supercapacitance. <b>2014</b> , 4, 7426	27
1034	Layer-Structured Copper Antimony Chalcogenides (CuSbSexS <sub>2-<math>\delta</math></sub> ): Stable Electrode Materials for Supercapacitors. <b>2015</b> , 27, 379-386	62

1033	One-Step Solvothermal Synthesis of Nanostructured Manganese Fluoride as an Anode for Rechargeable Lithium-Ion Batteries and Insights into the Conversion Mechanism. <b>2015</b> , 5, 1401716	83
1032	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
1031	High capacitive performance of exfoliated biochar nanosheets from biomass waste corn cob. <b>2015</b> , 3, 2903-2913	166
1030	Electrochemical reduction approach-based 3D graphene/Ni(OH) <sub>2</sub> electrode for high-performance supercapacitors. <b>2015</b> , 154, 9-16	41
1029	Facile synthesis of three-dimensional graphene/nickel oxide nanoparticles composites for high performance supercapacitor electrodes. <b>2015</b> , 264, 603-609	66
1028	Facile synthesis of MnO multi-core@nitrogen-doped carbon shell nanoparticles for high performance lithium-ion battery anodes. <b>2015</b> , 84, 419-425	84
1027	Quantitative investigation on the effect of hydrogenation on the performance of MnO <sub>2</sub> /H-TiO <sub>2</sub> composite electrodes for supercapacitors. <b>2015</b> , 3, 3785-3793	33
1026	Shaped-controlled synthesis of porous NiCo <sub>2</sub> O <sub>4</sub> with 1-3 dimensional hierarchical nanostructures for high-performance supercapacitors. <b>2015</b> , 5, 1697-1704	40
1025	Low-temperature preparation of macroscopic nitrogen-doped graphene hydrogel for high-performance ultrafast supercapacitors. <b>2015</b> , 5, 8044-8049	10
1024	In situ preparation of flower-like Ni(OH) <sub>2</sub> and NiO from nickel formate with excellent capacitive properties as electrode materials for supercapacitors. <b>2015</b> , 151, 160-166	27
1023	Facile synthesis of ultrathin manganese dioxide nanosheets arrays on nickel foam as advanced binder-free supercapacitor electrodes. <b>2015</b> , 277, 36-43	138
1022	Mesoporous silicon microspheres fabricated via in situ magnesiothermic reduction of silicon oxide as a high-performance anode material for lithium-ion batteries. <b>2015</b> , 19, 935-939	18
1021	Glucose-assisted synthesis of the hierarchical TiO <sub>2</sub> nanowire@MoS <sub>2</sub> nanosheet nanocomposite and its synergistic lithium storage performance. <b>2015</b> , 3, 2762-2769	128
1020	A two-dimensional highly ordered mesoporous carbon/graphene nanocomposite for electrochemical double layer capacitors: effects of electrical and ionic conduction pathways. <b>2015</b> , 3, 2314-2322	43
1019	Enhanced methanol electro-oxidation over in-situ carbon and graphene supported one dimensional NiMoO <sub>4</sub> nanorods. <b>2015</b> , 277, 350-359	83
1018	Three-dimensional structure-based tin disulfide/vertically aligned carbon nanotube arrays composites as high-performance anode materials for lithium ion batteries. <b>2015</b> , 277, 131-138	45
1017	Fabrication of free-standing NiCo <sub>2</sub> O <sub>4</sub> nanoarrays via a facile modified hydrothermal synthesis method and their applications for lithium ion batteries and high-rate alkaline batteries. <b>2015</b> , 63, 211-215	13
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1015	Facile Synthesis of Hematite Quantum-Dot/Functionalized Graphene-Sheet Composites as Advanced Anode Materials for Asymmetric Supercapacitors. <b>2015</b> , 25, 627-635	347
1014	Bulk graphdiyne powder applied for highly efficient lithium storage. <b>2015</b> , 51, 1834-7	156
1013	Copper hexacyanoferrate with a well-defined open framework as a positive electrode for aqueous zinc ion batteries. <b>2015</b> , 149-150, 601-606	160
1012	Self-assembling sulfonated graphene/polyaniline nanocomposite paper for high performance supercapacitor. <b>2015</b> , 199, 79-86	41
1011	Facile Synthesis of 3D Hierarchical Flower-like $\text{Co}_{3-x}\text{Fe}_x\text{O}_4$ ferrite on Nickel Foam as High-Performance Electrodes for Supercapacitors. <b>2015</b> , 152, 13-18	24
1010	Micro-sized porous carbon spheres with ultra-high rate capability for lithium storage. <b>2015</b> , 7, 1791-5	76
1009	Mesoporous $\text{MnCo}_2\text{O}_4$ with a flake-like structure as advanced electrode materials for lithium-ion batteries and supercapacitors. <b>2015</b> , 21, 1526-32	161
1008	Gram-Scale Synthesis of Graphene-Mesoporous $\text{SnO}_2$ Composite as Anode for Lithium-ion Batteries. <b>2015</b> , 152, 178-186	56
1007	Construction of desirable $\text{NiCo}_2\text{S}_4$ nanotube arrays on nickel foam substrate for pseudocapacitors with enhanced performance. <b>2015</b> , 151, 35-41	178
1006	Low-temperature performance of aqueous electrochemical capacitors based on manganese oxides. <b>2015</b> , 157, 333-344	12
1005	A three-dimensional carbon nano-network for high performance lithium ion batteries. <b>2015</b> , 11, 500-509	41
1004	Novel Metal@Carbon Spheres Core-shell Arrays by Controlled Self-Assembly of Carbon Nanospheres: A Stable and Flexible Supercapacitor Electrode. <b>2015</b> , 5, 1401709	129
1003	A graphene foam electrode with high sulfur loading for flexible and high energy Li-S batteries. <b>2015</b> , 11, 356-365	476
1002	Electrostatic induced stretch growth of homogeneous $\text{Ni}(\text{OH})_2$ on graphene with enhanced high-rate cycling for supercapacitors. <b>2014</b> , 4, 3669	197
1001	$\text{MnO}_2$ nanorods intercalating graphene oxide/polyaniline ternary composites for robust high-performance supercapacitors. <b>2014</b> , 4, 4824	176
1000	Polyaniline/ $\text{MnO}_2$ composite with high performance as supercapacitor electrode via pulse electrodeposition. <b>2015</b> , 36, 113-120	23
999	$\text{CuO}$ nanoparticles supported on carbon microspheres as electrode material for supercapacitors. <b>2015</b> , 21, 185-190	32
998	Simonkolleite-graphene foam composites and their superior electrochemical performance. <b>2015</b> , 151, 591-598	36

997	High performance supercapacitor electrode materials based on porous NiCo <sub>2</sub> O <sub>4</sub> hexagonal nanoplates/reduced graphene oxide composites. <b>2015</b> , 262, 980-988	120
996	Metal-like fluorine-doped FeOOH nanorods grown on carbon cloth for scalable high-performance supercapacitors. <b>2015</b> , 11, 119-128	154
995	NiCo <sub>2</sub> S <sub>4</sub> Nanosheets Grown on Nitrogen-Doped Carbon Foams as an Advanced Electrode for Supercapacitors. <b>2015</b> , 5, 1400977	633
994	Pre-stabilized reduced graphene oxide by ammonia as carrier for Ni(OH) <sub>2</sub> with excellent electrochemical property. <b>2015</b> , 19, 229-239	13
993	Electrical energy storage systems: A comparative life cycle cost analysis. <b>2015</b> , 42, 569-596	927
992	Design and construction of three dimensional graphene-based composites for lithium ion battery applications. <b>2015</b> , 8, 456-477	224
991	Self-assembled three-dimensional mesoporous ZnFe <sub>2</sub> O <sub>4</sub> -graphene composites for lithium ion batteries with significantly enhanced rate capability and cycling stability. <b>2015</b> , 275, 769-776	77
990	Co <sub>3</sub> O <sub>4</sub> nanowires@MnO <sub>2</sub> nanolayer or nanoflakes core-shell arrays for high-performance supercapacitors: The influence of morphology on performance. <b>2015</b> , 624, 85-93	47
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987	Synthesis and electrochemical properties of niobium pentoxide deposited on layered carbide-derived carbon. <b>2015</b> , 274, 121-129	64
986	Self-assembly of mesoporous nanotubes assembled from interwoven ultrathin birnessite-type MnO <sub>2</sub> nanosheets for asymmetric supercapacitors. <b>2014</b> , 4, 3878	248
985	Controlled Growth of NiMoO <sub>4</sub> Nanosheet and Nanorod Arrays on Various Conductive Substrates as Advanced Electrodes for Asymmetric Supercapacitors. <b>2015</b> , 5, 1401172	454
984	Photoluminescence and structural properties of Si/SiC core-shell nanowires growth by HWCVD. <b>2015</b> , 157, 149-157	11
983	Microwave-assisted synthesis of NiS <sub>2</sub> nanostructures for supercapacitors and cocatalytic enhancing photocatalytic H <sub>2</sub> production. <b>2014</b> , 4, 3577	190
982	Overview of current development in electrical energy storage technologies and the application potential in power system operation. <b>2015</b> , 137, 511-536	1921
981	Rapid charging of thermal energy storage materials through plasmonic heating. <b>2014</b> , 4, 6246	57
980	Intense pulsed light-assisted facile and agile fabrication of cobalt oxide/nickel cobaltite nanoflakes on nickel-foam for high performance supercapacitor applications. <b>2015</b> , 618, 227-232	16

979	Preparation of the cactus-like porous manganese oxide assisted with surfactant sodium dodecyl sulfate for supercapacitors. <b>2015</b> , 621, 86-92	23
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977	Hydrothermal synthesis of mesoporous metal oxide arrays with enhanced properties for electrochemical energy storage. <b>2015</b> , 61, 54-57	7
976	2D high-ordered nanoporous NiMoO <sub>4</sub> for high-performance supercapacitors. <b>2015</b> , 41, 1831-1837	43
975	Realizing nano-confinement of magnesium for hydrogen storage using vapour transport deposition. <b>2016</b> , 35, 401-407	17
974	Porous Graphene Materials for Energy Storage and Conversion Applications. <b>2016</b> ,	2
973	Defect Engineered 2D Materials for Energy Applications. <b>2016</b> ,	1
972	A Facile Method to In-Situ Synthesize Porous NiO Nano-Sheets on Nickel Foam as Advanced Anode Electrodes for Li-Ion Batteries. <b>2016</b> , 6,	10
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970	Hydrogen Absorption in Metal Thin Films and Heterostructures Investigated in Situ with Neutron and X-ray Scattering. <b>2016</b> , 6, 125	14
969	Synthesis and applications of carbon nanomaterials for energy generation and storage. <b>2016</b> , 7, 149-96	86
968	Hydrothermal Synthesis of CuWO <sub>4</sub> -Reduced Graphene Oxide Hybrids and Supercapacitor Application. <b>2016</b> , 9, 584-590	10
967	Nano-Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Synthesized by Thermal Polymerization Method as Cathode Material for Lithium Ion Batteries. <b>2016</b> , 29, 699-702	2
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965	Toward a Magnesium-Iodine Battery. <b>2016</b> , 26, 4860-4865	43
964	Revisiting Surface Modification of Graphite: Dual-Layer Coating for High-Performance Lithium Battery Anode Materials. <b>2016</b> , 11, 1711-7	16
963	Designed Formation of MnO <sub>2</sub> @NiO/NiMoO <sub>4</sub> Nanowires@Nanosheets Hierarchical Structures with Enhanced Pseudocapacitive Properties. <b>2016</b> , 3, 1347-1353	24
962	1D Building Blocks-Intermingled Heteronanomats as a Platform Architecture For High-Performance Ultrahigh-Capacity Lithium-Ion Battery Cathodes. <b>2016</b> , 6, 1501594	29

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958	Facile preparation and sulfidation analysis for activated multiporous carbon@NiCo <sub>2</sub> S <sub>4</sub> nanostructure with enhanced supercapacitive properties. <b>2016</b> , 211, 627-635	62
957	Controlled synthesis of Ni(OH) <sub>2</sub> /graphene composites and their transformation to NiO/graphene for energy storage. <b>2016</b> , 212, 390-398	22
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949	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
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944	Cycling and floating performance of symmetric supercapacitor derived from coconut shell biomass. <b>2016</b> , 6, 115306	44

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930	Synthesis of nickel sulfide monolayer hollow spheres arrays as cathode materials for alkaline batteries. <b>2016</b> , 178, 120-123	20
929	Binder-free supercapacitive of ultrathin Co(OH) <sub>2</sub> nanosheets-decorated nitrogen-doped carbon nanotubes core-shell nanostructures. <b>2016</b> , 31, 521-525	15
928	Low Temperature Synthesis of TiO <sub>2</sub> -β-Cyclodextrin@Graphene Nanocomposite for Energy Storage and Photocatalytic Applications. <b>2016</b> , 210, 385-394	24
927	CoOx nanoparticles embedded in porous graphite carbon nanofibers derived from electrospun polyacrylonitrile@polypyrrole core-shell nanostructures for high-performance supercapacitors. <b>2016</b> , 6, 54693-54701	28
926	Novel photodriven composite phase change materials with bioinspired modification of BN for solar-thermal energy conversion and storage. <b>2016</b> , 4, 9625-9634	126

925	Recent progress in rechargeable alkali metal-air batteries. <b>2016</b> , 1, 4-17	171
924	Hierarchical Heterostructures of NiCo <sub>2</sub> O <sub>4</sub> @XMoO <sub>4</sub> (X = Ni, Co) as an Electrode Material for High-Performance Supercapacitors. <b>2016</b> , 11, 257	21
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919	Synthesis of three-dimensional hollow SnO <sub>2</sub> @PPy nanotube arrays via template-assisted method and chemical vapor-phase polymerization as high performance anodes for lithium-ion batteries. <b>2016</b> , 209, 700-708	35
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916	Facile synthesis and characterization of MnO <sub>2</sub> nanomaterials as supercapacitor electrode materials. <b>2016</b> , 27, 5533-5542	10
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911	Growth of ultrathin Ni Co Al layered double hydroxide on reduced graphene oxide and superb supercapacitive performance of the resulting composite. <b>2016</b> , 678, 93-101	29
910	Synthesis and Electrochemical Performance of Ni/Ordered Mesoporous Carbon Composites with High Surface Areas. <b>2016</b> , 163, E179-E184	8
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908	Single-crystal NiS nanorod arrays with a hollow-structured Ni <sub>3</sub> S <sub>2</sub> framework for supercapacitor applications. <b>2016</b> , 4, 7700-7709	156



907	Facile hydrothermal synthesis of one-dimensional nanostructured MnO <sub>2</sub> for supercapacitors. <b>2016</b> , 83, 41-46	13
906	Understanding the Size-Dependent Sodium Storage Properties of Na <sub>2</sub> C <sub>6</sub> O <sub>6</sub> -Based Organic Electrodes for Sodium-Ion Batteries. <b>2016</b> , 16, 3329-34	147
905	Solid-state NMR and thermodynamic investigations on LiBH <sub>4</sub> LiNH <sub>2</sub> system. <b>2016</b> , 41, 14475-14483	15
904	Comprehensive Determination of Kinetic Parameters in Solid-State Phase Transitions: An Extended Johnson-Mehl-Avrami-Kolmogorov Model with Analytical Solutions. <b>2016</b> , 16, 2404-2415	87
903	Binding of carbon coated nano-silicon in graphene sheets by wet ball-milling and pyrolysis as high performance anodes for lithium-ion batteries. <b>2016</b> , 318, 113-120	72
902	Highly porous carbons derived from MOFs for shape-stabilized phase change materials with high storage capacity and thermal conductivity. <b>2016</b> , 6, 40106-40114	57
901	A Novel Asymmetric Supercapacitor Designed with Mn <sub>3</sub> O <sub>4</sub> @Multi-wall Carbon Nanotube Nanocomposite and Reduced Graphene Oxide Electrodes. <b>2016</b> , 45, 3491-3500	25
900	Preparation of morphology-controllable polyaniline and polyaniline/graphene hydrogels for high performance binder-free supercapacitor electrodes. <b>2016</b> , 319, 73-81	149
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898	Porosity-engineered carbons for supercapacitive energy storage using conjugated microporous polymer precursors. <b>2016</b> , 4, 7665-7673	100
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891	Sustainable Energy Systems: The Strategic Role of Chemical Energy Conversion. <b>2016</b> , 59, 772-786	35
890	Shape-selective synthesis of Sn(MoO <sub>4</sub> ) <sub>2</sub> nanomaterials for catalysis and supercapacitor applications. <b>2016</b> , 45, 8897-915	19

889	In-situ synthesis of monodisperse micro-nanospherical LiFePO <sub>4</sub> /carbon cathode composites for lithium-ion batteries. <b>2016</b> , 318, 220-227	35
888	Electrodeposition of three dimensional-porous Ni/Ni(OH) <sub>2</sub> hierarchical nano composite via etching the Ni/Zn/Ni(OH) <sub>2</sub> precursor as a high performance pseudocapacitor. <b>2016</b> , 299, 282-291	27
887	Excellent Electrochemical Performance Hierarchical Co <sub>3</sub> O <sub>4</sub> @Ni <sub>3</sub> S <sub>2</sub> core/shell nanowire arrays for Asymmetric Supercapacitors. <b>2016</b> , 207, 87-96	73
886	Enhanced performance of organic materials for lithium-ion batteries using facile electrode calendaring techniques. <b>2016</b> , 68, 45-48	10
885	Hierarchically Porous Carbon Monoliths Comprising Ordered Mesoporous Nanorod Assemblies for High-Voltage Aqueous Supercapacitors. <b>2016</b> , 28, 3944-3950	160
884	One-step accurate synthesis of shell controllable CoFe <sub>2</sub> O <sub>4</sub> hollow microspheres as high-performance electrode materials in supercapacitor. <b>2016</b> , 9, 2026-2033	99
883	Controlled synthesis of 3D hierarchical NiSe microspheres for high-performance supercapacitor design. <b>2016</b> , 6, 46523-46530	83
882	Synthesis, structural and electrochemical properties of sodium nickel phosphate for energy storage devices. <b>2016</b> , 8, 11291-305	61
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878	Energy Storage Performance Enhancement by Surface Engineering of Electrode Materials. <b>2016</b> , 3, 1600430	15
877	Super-adsorbent material based on functional polymer particles with a multilevel porous structure. <b>2016</b> , 8, e301-e301	68
876	Hierarchical Ni <sub>0.54</sub> Co <sub>0.46</sub> O <sub>2</sub> nanowire and nanosheet arrays grown on carbon fiber cloth for high-performance supercapacitors. <b>2016</b> , 329, 473-483	40
875	Pitaya-like microspheres derived from Prussian blue analogues as ultralong-life anodes for lithium storage. <b>2016</b> , 4, 15041-15048	30
874	Hierarchical mesoporous NiO nanoarrays with ultrahigh capacitance for aqueous hybrid supercapacitor. <b>2016</b> , 30, 831-839	158
873	Synthesis of metal shell on metal oxides nanowires forming composite core/branch arrays with enhanced electrochemical properties. <b>2016</b> , 688, 475-480	2
872	Synthesis of Co-N-C immobilized on carbon nanotubes for ethylbenzene oxidation. <b>2016</b> , 424, 276-282	31

871	Facile Electrochemical Synthesis of Porous Manganese-Cobalt-Sulfide Based Ternary Transition Metal Sulfide Nanosheets Architectures for High Performance Energy Storage Applications. <b>2016</b> , 220, 57-66		75
870	Carbon-Coated Porous Aluminum Foil Anode for High-Rate, Long-Term Cycling Stability, and High Energy Density Dual-Ion Batteries. <i>Advanced Materials</i> , <b>2016</b> , 28, 9979-9985	24	280
869	A novel approach for sulfur-doped hierarchically porous carbon with excellent capacitance for electrochemical energy storage. <b>2016</b> , 52, 12725-12728		37
868	High-performance aqueous asymmetric supercapacitor based on K <sub>0.3</sub> WO <sub>3</sub> nanorods and nitrogen-doped porous carbon. <b>2016</b> , 330, 219-230		22
867	Lamellar MoSe nanosheets embedded with MoO nanoparticles: novel hybrid nanostructures promoted excellent performances for lithium ion batteries. <b>2016</b> , 8, 17902-17910		129
866	Suppression of voltage depression in Li-rich layered oxide by introducing GaO <sub>4</sub> structural units in the Li <sub>2</sub> MnO <sub>3</sub> -like nano-domain. <b>2016</b> , 30, 717-727		19
865	Interconnected Nanoflake Network Derived from a Natural Resource for High-Performance Lithium-Ion Batteries. <b>2016</b> , 8, 27843-27849		30
864	A Hybrid Capacitor Based on Fe <sub>3</sub> O <sub>4</sub> -Graphene Nanocomposite/Few-Layer Graphene in Different Aqueous Electrolytes. <b>2016</b> , 163, A2768-A2775		57
863	Enhanced lithium storage performance of Li <sub>5</sub> Cr <sub>9</sub> Ti <sub>4</sub> O <sub>24</sub> anode by nitrogen and sulfur dual-doped carbon coating. <b>2016</b> , 213, 217-224		16
862	Porous nitrogen-doped carbon tubes derived from reed catkins as a high-performance anode for lithium ion batteries. <b>2016</b> , 6, 98434-98439		9
861	Phase Inversion: A Universal Method to Create High-Performance Porous Electrodes for Nanoparticle-Based Energy Storage Devices. <b>2016</b> , 26, 8427-8434		112
860	Exploring hierarchical FeS <sub>2</sub> /C composite nanotubes arrays as advanced cathode for lithium ion batteries. <b>2016</b> , 332, 383-388		31
859	Progress in and prospects for electrical insulating materials. <b>2016</b> , 1, 122-129		97
858	A sponge network-shaped Mn <sub>3</sub> O <sub>4</sub> /C anode derived from a simple, one-pot metal organic framework-combustion technique for improved lithium ion storage. <b>2016</b> , 3, 1609-1615		22
857	Three-dimensional NiCo <sub>2</sub> O <sub>4</sub> /NiCo <sub>2</sub> S <sub>4</sub> hybrid nanostructure on Ni-foam as a high-performance supercapacitor electrode. <b>2016</b> , 6, 95760-95767		36
856	Hierarchical nanostructured polyaniline functionalized graphene/poly(vinylidene fluoride) composites for improved dielectric performances. <b>2016</b> , 103, 83-97		71
855	Effect of interlayer spacing on sodium ion insertion in nanostructured titanium hydrogen phosphate/carbon nanotube composites. <b>2016</b> , 6, 60015-60021		3
854	Design and synthesis of hierarchical TiO <sub>2</sub> micro-nano spheres/Cu <sub>2</sub> O-Mn <sub>3</sub> O <sub>4</sub> nanoflakes composite for high performance electrochemical electrodes. <b>2016</b> , 688, 561-570		8

853	Preparation of all-solid-state supercapacitor integrated with energy level indicating functionality. <b>2016</b> , 220, 494-501	9
852	Fabrication of porous double-urchin-like MgCo <sub>2</sub> O <sub>4</sub> hierarchical architectures for high-rate supercapacitors. <b>2016</b> , 688, 933-938	42
851	Biomass-derived three-dimensional honeycomb-like hierarchical structured carbon for ultrahigh energy density asymmetric supercapacitors. <b>2016</b> , 4, 13589-13602	159
850	The Basics of Organic Light-Emitting Diodes. <b>2016</b> , 223-252	1
849	Ice Templated Free-Standing Hierarchically WS <sub>2</sub> /CNT-rGO Aerogel for High-Performance Rechargeable Lithium and Sodium Ion Batteries. <b>2016</b> , 6, 1601057	223
848	In-situ oxidized copper-based hybrid film on carbon cloth as flexible anode for high performance lithium-ion batteries. <b>2016</b> , 212, 492-499	21
847	Electrodeposited thin cobalt branch on cobalt oxides core exhibiting enhanced electrochemical properties. <b>2016</b> , 84, 139-144	5
846	Novel nickel foam@carbon microspheres@Ni <sub>3</sub> S <sub>2</sub> composite electrode for high-performance supercapacitors. <b>2016</b> , 183, 437-440	10
845	Nanostructured CuS networks composed of interconnected nanoparticles for asymmetric supercapacitors. <b>2016</b> , 18, 24471-6	64
844	Symmetric Electrodes for Electrochemical Energy-Storage Devices. <b>2016</b> , 3, 1600115	49
843	Cobalt silicate hierarchical hollow spheres for lithium-ion batteries. <b>2016</b> , 27, 365401	16
842	Inherent N,O-containing carbon frameworks as electrode materials for high-performance supercapacitors. <b>2016</b> , 8, 16323-16331	44
841	The importance of electrode characterization to assess the supercapacitor performance of ordered mesoporous carbons. <b>2016</b> , 235, 1-8	23
840	Chromium-Modified Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> with a Synergistic Effect of Bulk Doping, Surface Coating, and Size Reducing. <b>2016</b> , 8, 21407-16	51
839	Cheese-like bulk carbon with nanoholes prepared from egg white as an anode material for lithium and sodium ion batteries. <b>2016</b> , 6, 80986-80993	9
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545	Towards high-performance sorption cold energy storage and transmission with ionic liquid absorbents. <b>2021</b> , 241, 114296	2
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