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A review of electrode materials for electrochemical supercap

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2056	Synthesis of one-dimensional hierarchical NiO hollow nanostructures with enhanced supercapacitive performance. <b>2013</b> , 5, 877-81		160
2055	Flexible asymmetric supercapacitors with high energy and high power density in aqueous electrolytes. <b>2013</b> , 5, 1067-73		165
2054	Enhanced supercapacitive performances of hierarchical porous nanostructure assembled from ultrathin MnO <sub>2</sub> nanoflakes. <b>2013</b> , 48, 714-719		27
2053	Synthesis of Fe <sub>2</sub> O <sub>3</sub> @CNT/graphene hybrid materials with an open three-dimensional nanostructure for high capacity lithium storage. <b>2013</b> , 2, 425-434		112
2052	Hydrothermal Synthesis of Binary NiCo Hydroxides and Carbonate Hydroxides as Pseudosupercapacitors. <b>2013</b> , 2013, 39-43		57
2051	Graphene/VO <sub>2</sub> hybrid material for high performance electrochemical capacitor. <b>2013</b> , 112, 448-457		92
2050	A bird nest-like manganese dioxide and its application as electrode in supercapacitors. <b>2013</b> , 22, 928-934		11
2049	Facile approach to prepare hollow core-shell NiO microspherers for supercapacitor electrodes. <b>2013</b> , 203, 60-67		40
2048	Nitrogen/manganese oxides doped porous carbons derived from sodium butyl naphthalene sulfonate. <b>2013</b> , 398, 176-84		8
2047	Fabrication of porous Co/NiO core/shell nanowire arrays for electrochemical capacitor application. <b>2013</b> , 34, 146-149		27
2046	Multimodal porous carbon as a highly efficient electrode material in an electric double layer capacitor. <b>2013</b> , 182, 1-7		66
2045	Synthesis and characterization of pulsed polymerized poly(3,4-ethylenedioxythiophene) electrodes for high-performance electrochemical capacitors. <b>2013</b> , 87, 158-168		43
2044	3D flowerlike poly(3,4-ethylenedioxythiophene) for high electrochemical capacitive energy storage. <b>2013</b> , 106, 219-225		18

2043	The AMWCNTs supported porous nanocarbon composites for high-performance supercapacitor. <b>2013</b> , 48, 4491-4498	3
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2040	Nanosheet-assembled NiO microstructures for high-performance supercapacitors. <b>2013</b> , 5, 10767-73	111
2039	The Study of Activated Carbon/CNT/MoO <sub>3</sub> Electrodes for Aqueous Pseudo-Capacitors. <b>2013</b> , 160, A1489-A1496	8
2038	Solution blowing of ZnO nanoflake-encapsulated carbon nanofibers as electrodes for supercapacitors. <b>2013</b> , 1, 13779	72
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2035	Asymmetric Supercapacitors Based on Graphene/MnO <sub>2</sub> Nanospheres and Graphene/MoO <sub>3</sub> Nanosheets with High Energy Density. <b>2013</b> , 23, 5074-5083	551
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2033	Activated carbon nanocomposite electrodes for high performance supercapacitors. <b>2013</b> , 102, 240-245	38
2032	Fabrication of Ni(OH) <sub>2</sub> nanoflakes array on Ni foam as a binder-free electrode material for high performance supercapacitors. <b>2013</b> , 107, 339-342	102
2031	Fabrication of Ni(OH) <sub>2</sub> coated ZnO array for high-rate pseudocapacitive energy storage. <b>2013</b> , 109, 252-255	40
2030	Direct growth of mesoporous MnO <sub>2</sub> nanosheet arrays on nickel foam current collectors for high-performance pseudocapacitors. <b>2013</b> , 243, 676-681	119
2029	Pseudocapacitive properties of cobalt hydroxide electrodeposited on Ni-foam-supported carbon nanomaterial. <b>2013</b> , 48, 3189-3195	27
2028	Partially graphitic micro- and mesoporous carbon microspheres for supercapacitors. <b>2013</b> , 24, 1037-1040	15
2027	One-step strategy to graphene/Ni(OH) <sub>2</sub> composite hydrogels as advanced three-dimensional supercapacitor electrode materials. <b>2013</b> , 6, 65-76	182
2026	Generation of B-doped graphene nanoplatelets using a solution process and their supercapacitor applications. <b>2013</b> , 7, 19-26	471

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1983	Solid-state supercapacitors with ionic liquid based gel polymer electrolyte: Effect of lithium salt addition. <b>2013</b> , 243, 211-218	53
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1977	Three-dimensional hierarchical GeSe <sub>2</sub> nanostructures for high performance flexible all-solid-state supercapacitors. <b>2013</b> , 25, 1479-86	209
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1974	Recent advances in conjugated polymer energy storage. <b>2013</b> , 51, 468-480	139
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1962	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
1961	Chain-like NiCo <sub>2</sub> O <sub>4</sub> nanowires with different exposed reactive planes for high-performance supercapacitors. <b>2013</b> , 1, 8560	217
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1957	Synthesis of functionalized 3D hierarchical porous carbon for high-performance supercapacitors. <b>2013</b> , 6, 2497	935
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1952	Coaxial Ni(x)Co(2x)(OH)(6x)/TiN nanotube arrays as supercapacitor electrodes. <b>2013</b> , 7, 5430-6	174
1951	Evaporation-induced coating of hydrous ruthenium oxide on mesoporous silica nanoparticles to develop high-performance supercapacitors. <b>2013</b> , 9, 2520-6	138
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1938	Manganosite/microwave exfoliated graphene oxide composites for asymmetric supercapacitor device applications. <b>2013</b> , 101, 99-108	75
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1877	High-performance binder-free supercapacitor electrode by direct growth of cobalt-manganese composite oxide nanostructures on nickel foam. <b>2014</b> , 9, 492	52
1876	3D nanocomposite architectures from carbon-nanotube-threaded nanocrystals for high-performance electrochemical energy storage. <b>2014</b> , 26, 339-45	119
1875	Synthesis, characterization and improvement of FeCo(OH) <sub>2</sub> for supercapacitor applications. <b>2014</b> ,	
1874	Magnetization-induced double-layer capacitance enhancement in active carbon/Fe <sub>3</sub> O <sub>4</sub> nanocomposites. <b>2014</b> , 23, 809-815	24
1873	Three-Dimensional Hierarchical Nanoporosity for Ultrahigh Power and Excellent Cyclability of Electrochemical Pseudocapacitors. <b>2014</b> , 4, 1301809	27
1872	High-performance hybrid (electrostatic double-layer and faradaic capacitor-based) polymer actuators incorporating nickel oxide and vapor-grown carbon nanofibers. <b>2014</b> , 30, 14343-51	16
1871	Activated carbon/manganese dioxide hybrid electrodes for high performance thin film supercapacitors. <b>2014</b> , 104, 243901	10
1870	Ultrasound/Microwave-Assisted Synthesis of MnO <sub>2</sub> Supercapacitor Electrode Materials. <b>2014</b> , 53, 20116-20123	68
1869	Pt- and Ru-doped SnO <sub>2</sub> /Sn anodes with high stability in alkaline medium. <b>2014</b> , 6, 22778-89	54
1868	CoNi <sub>2</sub> S <sub>4</sub> nanosheet arrays supported on nickel foams with ultrahigh capacitance for aqueous asymmetric supercapacitor applications. <b>2014</b> , 6, 19318-26	389
1867	Transition metal oxides/hydroxides nanoarrays for aqueous electrochemical energy storage systems. <b>2014</b> , 57, 59-69	40
1866	Polyaniline@MnO <sub>2</sub> /Graphene Oxide Ternary Composites for Electrochemical Supercapacitors. <b>2014</b> , 1070-1072, 465-470	
1865	Fabrication of symmetric supercapacitors based on MOF-derived nanoporous carbons. <b>2014</b> , 2, 19848-19854	376
1864	Nanodiamond Converted Hollow Graphene Spheres as Electrodes for Supercapacitors. <b>2014</b> , 1658, 41	

1863	Mesoporous Hollow Carbon Derived from Soft-Templated Hydrothermal Process for Supercapacitor Electrode. <b>2014</b> , 616, 134-140	1
1862	Charge storage properties of biopolymer electrodes with (sub)tropical lignins. <b>2014</b> , 16, 24681-4	24
1861	Supercapacitors specialities - Materials review. <b>2014</b> ,	17
1860	Liquid Crystalline Graphene Oxide/PEDOT:PSS Self-Assembled 3D Architecture for Binder-Free Supercapacitor Electrodes. <b>2014</b> , 2,	36
1859	Anodic preparation and supercapacitive performance of nano-Co <sub>3</sub> O <sub>4</sub> /MnO <sub>2</sub> composites. <b>2014</b> , 4, 64675-64682	7
1858	Facilely synthesized porous NiCo <sub>2</sub> O <sub>4</sub> flowerlike nanostructure for high-rate supercapacitors. <b>2014</b> , 248, 28-36	210
1857	Ni <sub>3</sub> S <sub>2</sub> coated ZnO array for high-performance supercapacitors. <b>2014</b> , 245, 463-467	191
1856	Effects of adding ethanol to KOH electrolyte on electrochemical performance of titanium carbide-derived carbon. <b>2014</b> , 246, 132-140	30
1855	Thermal optimization and supercapacitive application of electrodeposited Fe <sub>2</sub> O <sub>3</sub> thin films. <b>2014</b> , 47, 427-432	30
1854	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
1853	Attapulgite oriented carbon/polyaniline hybrid nanocomposites for electrochemical energy storage. <b>2014</b> , 192, 87-92	19
1852	NiAl-layered Double Hydroxide/Reduced Graphene Oxide Composite: Microwave-assisted Synthesis and Supercapacitive Properties. <b>2014</b> , 134, 309-318	77
1851	Synthesis of ultrathin mesoporous NiCo <sub>2</sub> O <sub>4</sub> nanosheets on carbon fiber paper as integrated high-performance electrodes for supercapacitors. <b>2014</b> , 251, 202-207	113
1850	Anomalous growth of multi-phased and multi-dimensional Manganese oxide/Metal (Fe, Co and Ni) oxide nanostructures: Synthesis and optical limiting properties. <b>2014</b> , 611, 82-90	4
1849	Enhanced capacitive deionization of lead ions using air-plasma treated carbon nanotube electrode. <b>2014</b> , 251, 122-127	45
1848	Experimental evaluation of LiFeTiO <sub>4</sub> as an electrode. <b>2014</b> , 262, 49-55	7
1847	Hexamethylenetetramine-induced synthesis of hierarchical NiO nanostructures on nickel foam and their electrochemical properties. <b>2014</b> , 603, 190-196	22
1846	Controllable preparation of multishelled NiO hollow nanospheres via layer-by-layer self-assembly for supercapacitor application. <b>2014</b> , 246, 24-31	205

1845	Synthesis of hierarchical porous NiO nanotube arrays for supercapacitor application. <b>2014</b> , 264, 161-167	150
1844	High-yield synthesis of carbon nanotube/porous nickel oxide nanosheet hybrid and its electrochemical capacitance performance. <b>2014</b> , 143, 1344-1351	20
1843	High-performance asymmetric supercapacitors based on core/shell cobalt oxide/carbon nanowire arrays with enhanced electrochemical energy storage. <b>2014</b> , 133, 522-528	36
1842	Atomic-layer-deposition-assisted formation of carbon nanoflakes on metal oxides and energy storage application. <b>2014</b> , 10, 300-7	56
1841	One-pot synthesis of hierarchical MnO <sub>2</sub> -modified diatomites for electrochemical capacitor electrodes. <b>2014</b> , 246, 449-456	125
1840	Two steps in situ structure fabrication of NiAl layered double hydroxide on Ni foam and its electrochemical performance for supercapacitors. <b>2014</b> , 246, 747-753	123
1839	Facial synthesis of SnO <sub>2</sub> nanoparticle film for efficient fiber-shaped dye-sensitized solar cells. <b>2014</b> , 247, 249-255	36
1838	Conducting polymer nanowire arrays for high performance supercapacitors. <b>2014</b> , 10, 14-31	593
1837	The preparation of nickel oxide based on infinite dilute method and its electrochemical performance. <b>2014</b> , 50, 176-179	4
1836	Preparation and electrochemical performance of porous hematite (Fe <sub>2</sub> O <sub>3</sub> ) nanostructures as supercapacitor electrode material. <b>2014</b> , 18, 1057-1066	74
1835	A universal equivalent circuit for carbon-based supercapacitors. <b>2014</b> , 18, 1377-1387	94
1834	Microwave-assisted synthesis of hybrid Co <sub>x</sub> Ni <sub>1-x</sub> (OH) <sub>2</sub> nanosheets: Tuning the composition for high performance supercapacitor. <b>2014</b> , 251, 338-343	90
1833	A rational template carbonization method for producing highly porous carbon for supercapacitor application. <b>2014</b> , 117, 55-61	27
1832	MnO <sub>2</sub> Nanoflower Arrays with High Rate Capability for Flexible Supercapacitors. <b>2014</b> , 1, 1003-1008	43
1831	Synthesis of free-standing metal sulfide nanoarrays via anion exchange reaction and their electrochemical energy storage application. <b>2014</b> , 10, 766-73	367
1830	Electrochemical performance of hierarchical porous carbon materials obtained from the infiltration of lignin into zeolite templates. <b>2014</b> , 7, 1458-67	82
1829	Three-dimensional graphene materials: preparation, structures and application in supercapacitors. <b>2014</b> , 7, 1850-1865	705
1828	Synthesis and electrochemical properties of graphene/V <sub>2</sub> O <sub>5</sub> xerogels nanocomposites as supercapacitor electrodes. <b>2014</b> , 262, 234-237	43

1827	Poly(3-methylthiophene)/Vertically Aligned Multi-walled Carbon Nanotubes: Electrochemical Synthesis, Characterizations and Electrochemical Storage Properties in Ionic Liquids. <b>2014</b> , 130, 754-765	26
1826	Solution synthesis of metal oxides for electrochemical energy storage applications. <b>2014</b> , 6, 5008-48	321
1825	Enhanced performance by polyaniline/tailored carbon nanotubes composite as supercapacitor electrode material. <b>2014</b> , 131, n/a-n/a	8
1824	Mixed transition-metal oxides: design, synthesis, and energy-related applications. <b>2014</b> , 53, 1488-504	1730
1823	Self-Charging Electrochemical Biocapacitor. <b>2014</b> , 1, 343-346	71
1822	Charge Storage in Decyl- and 3,6,9-Trioxadecyl-Substituted Poly(dithieno[3,2-b:2,3-d]pyrrole) Electrodes. <b>2014</b> , 47, 79-88	23
1821	MnO <sub>2</sub> -modified hierarchical graphene fiber electrochemical supercapacitor. <b>2014</b> , 247, 32-39	184
1820	Influence of the Nickel Oxide Nanostructure Morphology on the Effectiveness of Reduced Graphene Oxide Coating in Supercapacitor Electrodes. <b>2014</b> , 118, 2281-2286	56
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1818	Coal tar residues-based nanostructured activated carbon/Fe <sub>3</sub> O <sub>4</sub> composite electrode materials for supercapacitors. <b>2014</b> , 18, 665-672	34
1817	High-performance supercapacitor electrodes based on hierarchical Ti@MnO(2) nanowire arrays. <b>2014</b> , 50, 2876-8	55
1816	Synthesis, characterization, and electrochemical properties of CoMoO <sub>4</sub> nanostructures. <b>2014</b> , 39, 5186-5193	96
1815	Quasi-solid-state pseudocapacitors using proton-conducting gel polymer electrolyte and poly(3-methyl thiophene) ruthenium oxide composite electrodes. <b>2014</b> , 18, 465-475	18
1814	Preparation of Electrode Based on Plasma Modification and Its Electrochemical Application. <b>2014</b> , 23, 588-592	11
1813	Heat generated during electrochemical double-layer capacitor self-discharge. <b>2014</b> , 44, 551-554	2
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1811	Enhanced performance of supercapacitors with ultrathin mesoporous NiMoO <sub>4</sub> nanosheets. <b>2014</b> , 125, 294-301	99
1810	Supercapacitor/biofuel cell hybrids based on wired enzymes on carbon nanotube matrices: autonomous reloading after high power pulses in neutral buffered glucose solutions. <b>2014</b> , 7, 1884-1888	106



1809	Silver Nanoparticle-Induced Growth of Nanowire-Covered Porous MnO <sub>2</sub> Spheres with Superior Supercapacitance. <b>2014</b> , 2, 692-698	39
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1805	25th anniversary article: organic photovoltaic modules and biopolymer supercapacitors for supply of renewable electricity: a perspective from Africa. <b>2014</b> , 26, 830-48	39
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1803	Amorphous RuO <sub>2</sub> coated on carbon spheres as excellent electrode materials for supercapacitors. <b>2014</b> , 4, 6927	49
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1801	MnO <sub>2</sub> nano/micro hybrids for supercapacitors: Nano's Envy, Micro's pride <b>2014</b> , 4, 15863-15869	8
1800	Energy storing electrical cables: integrating energy storage and electrical conduction. <b>2014</b> , 26, 4279-85	186
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1797	Recent Advances in Design and Fabrication of Electrochemical Supercapacitors with High Energy Densities. <b>2014</b> , 4, 1300816	1364
1796	Direct growth of cobalt hydroxide rods on nickel foam and its application for energy storage. <b>2014</b> , 20, 3084-8	120
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1794	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
1793	Understanding the effects of electrochemical parameters on the areal capacitance of electroactive polymers. <b>2014</b> , 2, 7509-7516	15
1792	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

1791	Co/Al layered double hydroxides nanostructures: A binderless electrode for electrochemical capacitor. <b>2014</b> , 43, 9-12	24
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1789	A new route for synthesizing C/LiFePO <sub>4</sub> /multi-walled carbon nanotube secondary particles for lithium ion batteries. <b>2014</b> , 257, 60-66	23
1788	Magnetocapacitance in magnetic microtubular carbon nanocomposites under external magnetic field. <b>2014</b> , 6, 180-192	53
1787	One-Dimensional Nanomaterials for Energy Applications. <b>2014</b> , 75-120	5
1786	Synthesis of mesh-like Fe <sub>2</sub> O <sub>3</sub> /C nanocomposite via greener route for high performance supercapacitors. <b>2014</b> , 4, 4631-4637	54
1785	Coaxial wet-spun yarn supercapacitors for high-energy density and safe wearable electronics. <b>2014</b> , 5, 3754	880
1784	Supercapacitors Based on Flexible Substrates: An Overview. <b>2014</b> , 2, 325-341	140
1783	Covalently-grafted polyaniline on graphene oxide sheets for high performance electrochemical supercapacitors. <b>2014</b> , 71, 257-267	152
1782	Comparative performance of birnessite-type MnO <sub>2</sub> nanoplates and octahedral molecular sieve (OMS-5) nanobelts of manganese dioxide as electrode materials for supercapacitor application. <b>2014</b> , 132, 315-322	53
1781	High performance supercapacitors based on three-dimensional ultralight flexible manganese oxide nanosheets/carbon foam composites. <b>2014</b> , 262, 391-400	127
1780	Three-dimensional metal/oxide nanocone arrays for high-performance electrochemical pseudocapacitors. <b>2014</b> , 6, 3626-31	50
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1776	Production and Storage of Energy with One-Dimensional Semiconductor Nanostructures. <b>2014</b> , 39, 109-153	5
1775	MoO <sub>3</sub> /PANI coaxial heterostructure nanobelts by in situ polymerization for high performance supercapacitors. <b>2014</b> , 7, 72-79	119
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1773	Facile fabrication and electrochemical performance of flower-like Fe <sub>3</sub> O <sub>4</sub> @C@layered double hydroxide (LDH) composite. <b>2014</b> , 2, 8758-8765	56
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1771	Mechanism investigation and suppression of self-discharge in active electrolyte enhanced supercapacitors. <b>2014</b> , 7, 1750-1759	199
1770	Enhanced electrochemical performance of hydrous RuO <sub>2</sub> /mesoporous carbon nanocomposites via nitrogen doping. <b>2014</b> , 6, 9751-9	57
1769	Kirkendall Effect Induced One-Step Fabrication of Tubular Ag/MnO <sub>x</sub> Nanocomposites for Supercapacitor Application. <b>2014</b> , 118, 6604-6611	45
1768	High performance solid-state supercapacitor with PVA/KOH/3[Fe(CN) <sub>6</sub> ] gel polymer as electrolyte and separator. <b>2014</b> , 256, 281-287	127
1767	Growth of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles on carbon cloth for high performance flexible supercapacitors. <b>2014</b> , 2, 10889	184
1766	RuO <sub>2</sub> /graphene hybrid material for high performance electrochemical capacitor. <b>2014</b> , 248, 407-415	106
1765	Alkoxide-intercalated CoFe-layered double hydroxides as precursors of colloidal nanosheet suspensions: structural, magnetic and electrochemical properties. <b>2014</b> , 2, 3723-3731	99
1764	Nitrogen-doped porous carbon/Co <sub>3</sub> O <sub>4</sub> nanocomposites as anode materials for lithium-ion batteries. <b>2014</b> , 6, 7117-25	190
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1761	Synthesis of nanostructured CoOOH film with high electrochemical performance for application in supercapacitor. <b>2014</b> , 16, 1	15
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1759	Strategies for enhancing the performance of carbon/carbon supercapacitors in aqueous electrolytes. <b>2014</b> , 128, 210-217	39
1758	CuO nanostructures: Synthesis, characterization, growth mechanisms, fundamental properties, and applications. <b>2014</b> , 60, 208-337	852
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1752	Facile synthesis of ZnWO <sub>4</sub> nanowall arrays on Ni foam for high performance supercapacitors. <b>2014</b> , 4, 4212-4217	38
1751	Honeycomb porous MnO <sub>2</sub> nanofibers assembled from radially grown nanosheets for aqueous supercapacitors with high working voltage and energy density. <b>2014</b> , 4, 39-48	104
1750	Supercapacitive behavior of Ni(OH) <sub>2</sub> nanospheres prepared by a facile electrochemical method. <b>2014</b> , 443, 544-551	31
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1740	Amorphous MnO <sub>2</sub> supported on 3D-Ni nanodendrites for large areal capacitance supercapacitors. <b>2014</b> , 149, 341-348	76
1739	Preparation of CoAl layered double hydroxide nanoflake arrays and their high supercapacitive performance. <b>2014</b> , 102, 28-32	32
1738	Galvanostatic deposition of polypyrrole in the presence of tartaric acid for electrochemical supercapacitor. <b>2014</b> , 147, 545-556	22

1737	A high-performance carbon derived from corn stover via microwave and slow pyrolysis for supercapacitors. <b>2014</b> , 110, 18-23	52
1736	Vertically aligned ZnO nanorod core-polypyrrole conducting polymer sheath and nanotube arrays for electrochemical supercapacitor energy storage. <b>2014</b> , 9, 453	33
1735	Synthesis of nanofiber-composed dandelion-like CoNiAl triple hydroxide as an electrode material for high-performance supercapacitor. <b>2014</b> , 16, 1	12
1734	Facile hybridization of graphene oxide and Cu <sub>2</sub> O for high-performance electrochemical supercapacitors. <b>2014</b> , 22, 809-812	21
1733	Fabrication of nitrogen-doped holey graphene hollow microspheres and their use as an active electrode material for lithium ion batteries. <b>2014</b> , 6, 19082-91	52
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1731	Synthesis and facile size control of well-dispersed cobalt nanoparticles supported on ordered mesoporous carbon. <b>2014</b> , 2, 19903-19913	12
1730	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
1729	CoxMn <sub>3-x</sub> O <sub>4</sub> hollow octahedrons: synthesis, growth mechanism, and their application in high-performance supercapacitors. <b>2014</b> , 2, 13103-13108	13
1728	In situ engineering of urchin-like reduced graphene oxide/Mn <sub>2</sub> O <sub>3</sub> /Mn <sub>3</sub> O <sub>4</sub> nanostructures for supercapacitors. <b>2014</b> , 4, 886-892	34
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1726	Reduced graphene oxide derived from used cell graphite and its green fabrication as an eco-friendly supercapacitor. <b>2014</b> , 4, 60039-60051	15
1725	Ultrasml MnO@N-rich carbon nanosheets for high-power asymmetric supercapacitors. <b>2014</b> , 2, 12519	79
1724	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
1723	MnO <sub>2</sub> nanolayers on highly conductive TiO <sub>2</sub> (0.54)N <sub>2</sub> (0.46) nanotubes for supercapacitor electrodes with high power density and cyclic stability. <b>2014</b> , 16, 8521-8	17
1722	Micropore engineering of carbonized porous aromatic framework (PAF-1) for supercapacitors application. <b>2014</b> , 16, 12909-17	36
1721	Fabrication of amorphous carbon-coated NiO nanofibers for electrochemical capacitor applications. <b>2014</b> , 2, 3364-3371	73
1720	Electrospun activated carbon nanofibers for supercapacitor electrodes. <b>2014</b> , 4, 43619-43623	69

1719	Electrochemical performance of cobalt hydroxide nanosheets formed by the delamination of layered cobalt hydroxide in water. <b>2014</b> , 43, 10484-91	21
1718	Electrodeposition of vanadium oxide/polyaniline composite nanowire electrodes for high energy density supercapacitors. <b>2014</b> , 2, 10882-10888	136
1717	Mesoporous size controllable carbon microspheres and their electrochemical performances for supercapacitor electrodes. <b>2014</b> , 2, 8407-8415	141
1716	Single nanoparticle SERS probes of ion intercalation in metal-oxide electrodes. <b>2014</b> , 14, 495-8	48
1715	3D binder-free Cu <sub>2</sub> O@Cu nanoneedle arrays for high-performance asymmetric supercapacitors. <b>2014</b> , 2, 18229-18235	152
1714	Fabrication of highly dispersed ZnO nanoparticles embedded in graphene nanosheets for high performance supercapacitors. <b>2014</b> , 148, 164-169	43
1713	Facile synthesis and superior electrochemical performances of CoNi <sub>2</sub> S <sub>4</sub> /graphene nanocomposite suitable for supercapacitor electrodes. <b>2014</b> , 2, 9613-9619	215
1712	A conducting polymer nucleation scheme for efficient solid-state supercapacitors on paper. <b>2014</b> , 2, 17058-17065	37
1711	The morphology controlled synthesis of 3D networking LiFePO <sub>4</sub> with multiwalled-carbon nanotubes for Li-ion batteries. <b>2014</b> , 16, 260-269	33
1710	A Novel double-shelled C@NiO hollow microsphere: Synthesis and application for electrochemical capacitor. <b>2014</b> , 148, 211-219	48
1709	Conductive cellulose nanocrystals with high cycling stability for supercapacitor applications. <b>2014</b> , 2, 19268-19274	73
1708	Enhanced electrical capacitance of heteroatom-decorated nanoporous carbon nanofiber composites containing graphene. <b>2014</b> , 137, 781-788	21
1707	Bowl-like carbon sheet for high-rate electrochemical capacitor application. <b>2014</b> , 272, 1-7	21
1706	Transparent and flexible supercapacitors with single walled carbon nanotube thin film electrodes. <b>2014</b> , 6, 15434-9	105
1705	Enhanced electrochemical performance of manganese dioxide spheres deposited on a titanium dioxide nanotube arrays substrate. <b>2014</b> , 272, 866-879	43
1704	Reduced graphene oxide modified V <sub>2</sub> O <sub>3</sub> with enhanced performance for lithium-ion battery. <b>2014</b> , 137, 174-177	26
1703	Activation Mechanism Study of Dandelion-Like Co <sub>9</sub> S <sub>8</sub> Nanotubes in Supercapacitors. <b>2014</b> , 161, A996-A1000	42
1702	Bi <sub>2</sub> S <sub>3</sub> nanorods modified with Co(OH) <sub>2</sub> ultrathin nanosheets to significantly improve its pseudocapacitance for high specific capacitance. <b>2014</b> , 4, 48666-48670	17

1701	Synthesis of amorphous cobalt sulfide polyhedral nanocages for high performance supercapacitors. <b>2014</b> , 2, 8603-8606	218
1700	Fast Supercapacitors Based on Graphene-Bridged V <sub>2</sub> O <sub>3</sub> /VO <sub>x</sub> Core-Shell Nanostructure Electrodes with a Power Density of 1 MW kg <sup>-1</sup> . <b>2014</b> , 1, 1400398	88
1699	A new synthetic route to hollow Co <sub>3</sub> O <sub>4</sub> octahedra for supercapacitor applications. <b>2014</b> , 16, 826-833	79
1698	Magnetic-field-assisted hydrothermal synthesis of 2D tunnels of MnO <sub>2</sub> nanostructures with enhanced supercapacitor performance. <b>2014</b> , 16, 9987-9991	24
1697	Self-supported metallic nanopore arrays with highly oriented nanoporous structures as ideally nanostructured electrodes for supercapacitor applications. <b>2014</b> , 26, 7654-9	89
1696	Functionalization of graphene with nitrogen using ethylenediaminetetraacetic acid and their electrochemical energy storage properties. <b>2014</b> , 4, 24248	18
1695	A facile phase transformation method for the preparation of 3D flower-like Ni(OH) <sub>2</sub> /GO/CNTs composite with excellent supercapacitor performance. <b>2014</b> , 2, 12692-12696	65
1694	Graphitized activated carbon based on big bluestem as an electrode for supercapacitors. <b>2014</b> , 4, 14136	23
1693	A nickel hydroxide-coated 3D porous graphene hollow sphere framework as a high performance electrode material for supercapacitors. <b>2014</b> , 16, 4186-92	68
1692	Activated carbon with micrometer-scale channels prepared from luffa sponge fibers and their application for supercapacitors. <b>2014</b> , 4, 35789-35796	36
1691	Performance enhancement of single-walled nanotube-microwave exfoliated graphene oxide composite electrodes using a stacked electrode configuration. <b>2014</b> , 2, 14835-14843	14
1690	3D network-like mesoporous NiCo <sub>2</sub> O <sub>4</sub> nanostructures as advanced electrode material for supercapacitors. <b>2014</b> , 149, 144-151	66
1689	Expeditious fabrication of flower-like hierarchical mesoporous carbon superstructures as supercapacitor electrode materials. <b>2014</b> , 2, 16884-16891	55
1688	Intrinsically conductive polymer binders for electrochemical capacitor application. <b>2014</b> , 4, 27939-27945	25
1687	Green synthesis of open porous NiO films with an excellent capacitance performance. <b>2014</b> , 50, 3443-6	49
1686	P/N/O co-doped carbonaceous material based supercapacitor with voltage up to 1.9 V in aqueous electrolyte. <b>2014</b> , 4, 55971-55979	17
1685	NiCo <sub>2</sub> O <sub>4</sub> nanosheet supported hierarchical core-shell arrays for high-performance supercapacitors. <b>2014</b> , 2, 6310	153
1684	Core/shell TiO <sub>2</sub> /MnO <sub>2</sub> /MnO <sub>2</sub> heterostructure anodes for high-performance lithium-ion batteries. <b>2014</b> , 4, 39906	30

1683	Nanostructured intercalation compounds as cathode materials for supercapacitors. <b>2014</b> , 86, 593-609	13
1682	Rationally designed hierarchical ZnCo <sub>2</sub> O <sub>4</sub> /Ni(OH) <sub>2</sub> nanostructures for high-performance pseudocapacitor electrodes. <b>2014</b> , 2, 20462-20469	60
1681	Hierarchical foam of exposed ultrathin nickel nanosheets supported on chainlike Ni-nanowires and the derivative chalcogenide for enhanced pseudocapacitance. <b>2014</b> , 6, 2618-23	68
1680	Decomposition synthesis of tuneable, macroporous carbon foams from crystalline precursors via in situ templating. <b>2014</b> , 2, 18076-18081	10
1679	High-performance supercapacitor based on multi-structural CuS@polypyrrole composites prepared by in situ oxidative polymerization. <b>2014</b> , 2, 3303	114
1678	Nanostructured cobalt sulfide-on-fiber with tunable morphology as electrodes for asymmetric hybrid supercapacitors. <b>2014</b> , 2, 16190-16198	161
1677	High areal and volumetric capacity sustainable all-polymer paper-based supercapacitors. <b>2014</b> , 2, 16761-16769	78
1676	Facile synthesis of a reduced graphene oxide/cobalt sulfide hybrid and its electrochemical capacitance performance. <b>2014</b> , 4, 29216-29222	34
1675	Metal oxide/hydroxide-based materials for supercapacitors. <b>2014</b> , 4, 41910-41921	235
1674	Asymmetric metal oxide pseudocapacitors advanced by three-dimensional nanoporous metal electrodes. <b>2014</b> , 2, 8448	64
1673	Superior supercapacitor properties of composite powders with amorphous NiO nanoclusters distributed uniformly in an amorphous carbon matrix. <b>2014</b> , 9, 2453-7	8
1672	ZnCl <sub>2</sub> -activated porous carbon spheres with high surface area and superior mesoporous structure as an efficient supercapacitor electrode. <b>2014</b> , 4, 40546-40552	50
1671	Synthesis of partially graphitic nanoflake-like carbon/Fe <sub>3</sub> O <sub>4</sub> magnetic composites from chitosan as high-performance electrode materials in supercapacitors. <b>2014</b> , 4, 39625-39633	17
1670	Polypyrrole/Graphene Oxide Composite Electrodes for High Energy Density Supercapacitor. <b>2014</b> , 904, 146-149	1
1669	High-performance aqueous asymmetric supercapacitor based on carbon nanofibers network and tungsten trioxide nanorod bundles electrodes. <b>2014</b> , 147, 54-61	74
1668	Synthesis of three-dimensional self-standing graphene/Ni(OH) <sub>2</sub> composites for high-performance supercapacitors. <b>2014</b> , 4, 18080-18085	27
1667	Vanadium nitride@N-doped carbon nanocomposites: tuning of pore structure and particle size through salt templating and its influence on supercapacitance in ionic liquid media. <b>2014</b> , 4, 26981-26989	39
1666	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



1665	Controlled Synthesis of Ultrathin Hollow Mesoporous Carbon Nanospheres for Supercapacitor Applications. <b>2014</b> , 53, 3125-3130	97
1664	Hydrothermal reduction of three-dimensional graphene oxide for binder-free flexible supercapacitors. <b>2014</b> , 2, 10830	90
1663	Shape-controlled synthesis of NiCo <sub>2</sub> S <sub>4</sub> and their charge storage characteristics in supercapacitors. <b>2014</b> , 6, 9824-30	201
1662	Facile synthesis and high electrochemical performance of porous carbon composites for supercapacitors. <b>2014</b> , 4, 35186	11
1661	Shape-controlled porous nanocarbons for high performance supercapacitors. <b>2014</b> , 2, 5236	47
1660	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
1659	Systematic investigation on charge storage behaviour of multidimensional poly(3,4-ethylenedioxythiophene) nanostructures. <b>2014</b> , 4, 37529	28
1658	One-step hydrothermal fabrication of strongly coupled Co <sub>3</sub> O <sub>4</sub> nanosheets/reduced graphene oxide for electrochemical capacitors. <b>2014</b> , 4, 14408-14413	62
1657	Porous inorganic nanostructures with colloidal dimensions: synthesis and applications in electrochemical energy devices. <b>2014</b> , 50, 2077-88	22
1656	Interconnected network of MnO <sub>2</sub> nanowires with a "cocoonlike" morphology: redox couple-mediated performance enhancement in symmetric aqueous supercapacitor. <b>2014</b> , 6, 10754-62	128
1655	Highly porous diamond foam as a thin-film micro-supercapacitor material. <b>2014</b> , 80, 833-840	79
1654	A REVIEW OF METAL OXIDE COMPOSITE ELECTRODE MATERIALS FOR ELECTROCHEMICAL CAPACITORS. <b>2014</b> , 09, 1430002	104
1653	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
1652	Design and synthesis of heteroatoms doped carbon/polyaniline hybrid material for high performance electrode in supercapacitor application. <b>2014</b> , 146, 242-248	82
1651	Cotton-based hollow carbon fibers with high specific surface area prepared by ammonia etching for supercapacitor application. <b>2014</b> , 4, 31300-31307	49
1650	Facile one-step hydrothermal syntheses and supercapacitive performances of reduced graphene oxide/MnO <sub>2</sub> composites. <b>2014</b> , 103, 113-118	15
1649	Interfaces of dicationic ionic liquids and graphene: a molecular dynamics simulation study. <b>2014</b> , 26, 284106	24
1648	Graphene networks for high-performance flexible and transparent supercapacitors. <b>2014</b> , 4, 36996	39

1647	Effects of dodecyl sulfate and nitrate anions on the supercapacitive properties of $\text{FeCo(OH)}_2$ . <b>2014</b> , 615, 868-874	21
1646	Surfactant free gram scale synthesis of mesoporous $\text{Ni(OH)}_2/\text{rGO}$ nanocomposite for high rate pseudocapacitor application. <b>2014</b> , 4, 39875	29
1645	Freestanding composite electrodes of $\text{MnO}_x$ embedded carbon nanofibers for high-performance supercapacitors. <b>2014</b> , 4, 39087	26
1644	Advances and challenges for flexible energy storage and conversion devices and systems. <b>2014</b> , 7, 2101	650
1643	Preparation of Partially Reduced Graphene Oxide Nanosheets/Poly(Sodium 4-Styrenesulfonate) Composite with High Capacitance. <b>2014</b> , 147, 257-264	9
1642	Effect of pressure on capacitor electrodes formed with oxide nanoparticles. <b>2014</b> , 272, 100-106	3
1641	Defect dipping combined with electrochemical reduction to obtain 3D electrochemical reduction graphene oxide and its applications in supercapacitors. <b>2014</b> , 2, 1137-1143	28
1640	Three-dimensionally Hierarchical Porous Carbon Creating High-performance Electrochemical Capacitors. <b>2014</b> , 138, 193-199	20
1639	Fabrication and Characteristics of Galvanostatic Electrodeposited $\text{MnO}_2$ on Porous Nickel from Etched Aluminium. <b>2014</b> , 138, 132-138	19
1638	Nitrogen-doped reduced graphene oxide- $\text{Ni(OH)}_2$ -built 3D flower composite with easy hydrothermal process and excellent electrochemical performance. <b>2014</b> , 138, 69-78	39
1637	Flexible solid-state electrochemical supercapacitors. <b>2014</b> , 8, 274-290	610
1636	Facile synthesis of hierarchical $\text{CuO}$ nanorod arrays on carbon nanofibers for high-performance supercapacitors. <b>2014</b> , 40, 15973-15979	66
1635	Microwave-assisted synthesis of spherical $\text{Ni(OH)}_2$ superstructures for electrochemical capacitors with excellent cycling stability. <b>2014</b> , 610-611, 115-120	21
1634	Hierarchically structured $\text{TiO}_2/\text{MnO}_2$ nanowall arrays as potential electrode material for high-performance supercapacitors. <b>2014</b> , 39, 12201-12212	51
1633	Supercapacitor performance of vertically aligned multiwall carbon nanotubes produced by aerosol-assisted CCVD method. <b>2014</b> , 139, 165-172	37
1632	$\text{Co@CoO}$ core-shell three-dimensional nano-network for high-performance electrochemical energy storage. <b>2014</b> , 10, 2618-24	46
1631	$\text{NiO}_x$ nanoparticles supported on polyethylenimine functionalized CNTs as efficient electrocatalysts for supercapacitor and oxygen evolution reaction. <b>2014</b> , 39, 20662-20670	45
1630	Electrodeposited manganese dioxide nanostructures on electro-etched carbon fibers: High performance materials for supercapacitor applications. <b>2014</b> , 60, 137-142	30

1629	Printed environmentally friendly supercapacitors with ionic liquid electrolytes on paper. <b>2014</b> , 271, 298-304	34
1628	Advanced asymmetric supercapacitor based on conducting polymer and aligned carbon nanotubes with controlled nanomorphology. <b>2014</b> , 9, 176-185	82
1627	Enhancement effect of Na ions on capacitive behavior of amorphous MnO <sub>2</sub> . <b>2014</b> , 141, 286-293	33
1626	Nanoscale electrocatalysis: visualizing oxygen reduction at pristine, kinked, and oxidized sites on individual carbon nanotubes. <b>2014</b> , 136, 11252-5	113
1625	Layered manganese oxides-decorated and nickel foam-supported carbon nanotubes as advanced binder-free supercapacitor electrodes. <b>2014</b> , 269, 760-767	140
1624	Self-grown oxy-hydroxide@ nanoporous metal electrode for high-performance supercapacitors. <b>2014</b> , 26, 269-72	143
1623	In situ preparation of caterpillar-like polyaniline/carbon nanotube hybrids with core shell structure for high performance supercapacitors. <b>2014</b> , 78, 279-287	53
1622	Rational construction of three dimensional hybrid Co <sub>3</sub> O <sub>4</sub> @NiMoO <sub>4</sub> nanosheets array for energy storage application. <b>2014</b> , 270, 516-525	101
1621	High energy and power density asymmetric supercapacitors using electrospun cobalt oxide nanowire anode. <b>2014</b> , 270, 526-535	97
1620	Solvothermal preparation of microspherical shaped cobalt-manganese oxide as electrode materials for supercapacitors. <b>2014</b> , 102, 82-86	14
1619	Graphene Oxide Supercapacitors: A Computer Simulation Study. <b>2014</b> , 118, 18472-18480	52
1618	Phase evolution of an alpha MnO <sub>2</sub> -based electrode for pseudo-capacitors probed by in operando Raman spectroscopy. <b>2014</b> , 9, 161-167	138
1617	Electrochemical capacitors as attractive power sources. <b>2014</b> , 265, 61-67	25
1616	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
1615	Hierarchical core-shell structure of ZnO nanorod@NiO/MoO <sub>3</sub> composite nanosheet arrays for high-performance supercapacitors. <b>2014</b> , 6, 13564-70	67
1614	In situ synthesis of SWNTs@MnO <sub>2</sub> /polypyrrole hybrid film as binder-free supercapacitor electrode. <b>2014</b> , 9, 245-251	79
1613	One-Pot Synthesis of Fe <sub>2</sub> O <sub>3</sub> Nanoparticles on Nitrogen-Doped Graphene as Advanced Supercapacitor Electrode Materials. <b>2014</b> , 118, 17231-17239	252
1612	Hybrid Electric Power Biodevices. <b>2014</b> , 1, 1798-1807	47

1611	Green Template-Free Synthesis of Mesoporous Ternary CoNiMn Oxide Nanowires Towards High-Performance Electrochemical Capacitors. <b>2014</b> , 31, 778-787	34
1610	High capacity NiCo <sub>2</sub> O <sub>4</sub> nanorods as electrode materials for supercapacitor. <b>2014</b> , 617, 988-993	70
1609	Enhanced rate performance of mesoporous Co(3)O(4) nanosheet supercapacitor electrodes by hydrous RuO(2) nanoparticle decoration. <b>2014</b> , 6, 4196-206	188
1608	Study on the relation between pore size and supercapacitance in mesoporous carbon electrodes with silica-supported carbon nanomembranes. <b>2014</b> , 4, 40296-40300	32
1607	A complete three-dimensionally nanostructured asymmetric supercapacitor with high operating voltage window based on PPy and MnO <sub>2</sub> . <b>2014</b> , 10, 63-70	88
1606	Three-dimensional Co <sub>3</sub> O <sub>4</sub> /flocculent graphene hybrid on Ni foam for supercapacitor applications. <b>2014</b> , 2, 15987-15994	45
1605	Sulfur-doped porous reduced graphene oxide hollow nanosphere frameworks as metal-free electrocatalysts for oxygen reduction reaction and as supercapacitor electrode materials. <b>2014</b> , 6, 13740-7	159
1604	Impact of Graphene Edges on Enhancing the Performance of Electrochemical Double Layer Capacitors. <b>2014</b> , 118, 21770-21777	45
1603	Tunable supercapacitor performance of potentiodynamically deposited urea-doped cobalt hydroxide. <b>2014</b> , 4, 31219-31225	16
1602	Stable graphene-polyoxometalate nanomaterials for application in hybrid supercapacitors. <b>2014</b> , 16, 20411-4	76
1601	Hydrothermally formed three-dimensional nanoporous Ni(OH) <sub>2</sub> thin-film supercapacitors. <b>2014</b> , 8, 9622-8	130
1600	High electrochemical performance in asymmetric supercapacitors using MWCNT/nickel sulfide composite and graphene nanoplatelets as electrodes. <b>2014</b> , 2, 16723-16730	56
1599	Identifying pseudocapacitance of Fe <sub>2</sub> O <sub>3</sub> in an ionic liquid and its application in asymmetric supercapacitors. <b>2014</b> , 2, 14550-14556	91
1598	Cobalt-based compounds and composites as electrode materials for high-performance electrochemical capacitors. <b>2014</b> , 2, 17212-17248	139
1597	One-step electrodeposited nickel cobalt sulfide nanosheet arrays for high-performance asymmetric supercapacitors. <b>2014</b> , 8, 9531-41	599
1596	One-pot synthesis of thin Co(OH) <sub>2</sub> nanosheets on graphene and their high activity as a capacitor electrode. <b>2014</b> , 4, 51619-51623	23
1595	High Rate Capabilities of NiCo <sub>2</sub> O <sub>4</sub> -Based Hierarchical Superstructures for Rechargeable Charge Storage. <b>2014</b> , 161, A1922-A1926	60
1594	3D ordered nanoporous NiMoO <sub>4</sub> for high-performance supercapacitor electrode materials. <b>2014</b> , 4, 52555-52563	

1593	One-step synthesis of TiO <sub>2</sub> nanorod arrays on Ti foil for supercapacitor application. <b>2014</b> , 25, 435406	19
1592	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
1591	Controllable hydrothermal synthesis of Cu-doped $\gamma$ -MnO <sub>2</sub> films with different morphologies for energy storage and conversion using supercapacitors. <b>2014</b> , 134, 439-445	80
1590	Solution processed sun baked electrode material for flexible supercapacitors. <b>2014</b> , 4, 20281-20289	10
1589	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
1588	Preparation of MnO <sub>2</sub> electrodes coated by Sb-doped SnO <sub>2</sub> and their effect on electrochemical performance for supercapacitor. <b>2014</b> , 142, 76-83	24
1587	Photocurrent generation from a low band-gap and green BODIPY-based electrochromic polymer. <b>2014</b> , 197, 52-57	10
1586	One-step preparation of ultrathin nitrogen-doped carbon nanosheets with ultrahigh pore volume for high-performance supercapacitors. <b>2014</b> , 2, 17297-17301	51
1585	High performance NiMoO <sub>4</sub> nanowires supported on carbon cloth as advanced electrodes for symmetric supercapacitors. <b>2014</b> , 8, 174-182	237
1584	Diaminohexane-assisted preparation of coral-like, poly(benzoxazine)-based porous carbons for electrochemical energy storage. <b>2014</b> , 6, 11101-9	19
1583	Chemically patterned polyaniline arrays located on pyrolytic graphene for supercapacitors. <b>2014</b> , 80, 799-807	28
1582	Nitrogen-doped mesoporous reduced graphene oxide for high-performance supercapacitors. <b>2014</b> , 4, 22455	19
1581	All-solid-state flexible supercapacitors based on highly dispersed polypyrrole nanowire and reduced graphene oxide composites. <b>2014</b> , 6, 17937-43	68
1580	Recent development of metal hydroxides as electrode material of electrochemical capacitors. <b>2014</b> , 4, 38893-38917	127
1579	Effect of phenolic resin infiltration content on the structural and electrochemical properties of hierarchical porous carbons. <b>2014</b> , 49, 7489-7496	10
1578	A nickel foam supported copper core/nickel oxide shell composite for supercapacitor applications. <b>2014</b> , 200, 61-67	33
1577	Graphene/carbon black hybrid film for flexible and high rate performance supercapacitor. <b>2014</b> , 271, 269-277	131
1576	Electrochemistry of ruthenium dioxide composite electrodes in diethylmethylammonium-triflate protic ionic liquid and its mixtures with acetonitrile. <b>2014</b> , 147, 96-103	19

1575	Fe <sub>3</sub> O <sub>4</sub> /carbon nanotubes/polyaniline ternary composites with synergistic effects for high performance supercapacitors. <b>2014</b> , 4, 52393-52401	31
1574	MnO <sub>2</sub> grafted V <sub>2</sub> O <sub>5</sub> nanostructures: formation mechanism, morphology and supercapacitive features. <b>2014</b> , 16, 10711-10720	41
1573	Ag incorporated Mn <sub>3</sub> O <sub>4</sub> /AC nanocomposite based supercapacitor devices with high energy density and power density. <b>2014</b> , 43, 17528-38	53
1572	Two-dimensional heterostructures of V <sub>2</sub> O <sub>5</sub> and reduced graphene oxide as electrodes for high energy density asymmetric supercapacitors. <b>2014</b> , 2, 17146-17152	168
1571	Ultra-high capacitance hematite thin films with controlled nanoscopic morphologies. <b>2014</b> , 6, 10643-9	20
1570	Reduced Graphene Oxide/Manganese Carbonate Hybrid Composite: High Performance Supercapacitor Electrode Material. <b>2014</b> , 147, 557-564	31
1569	Graphene/vanadium oxide hybrid electrodes for electrochemical capacitor. <b>2014</b> , 461, 105-112	12
1568	Electrochemical codeposition of vanadium oxide and polypyrrole for high-performance supercapacitor with high working voltage. <b>2014</b> , 6, 12656-64	101
1567	Morphology controlled synthesis of NiCo <sub>2</sub> O <sub>4</sub> nanosheet array nanostructures on nickel foam and their application for pseudocapacitors. <b>2014</b> , 142, 118-124	72
1566	Hierarchical NiO nanoflake coated CuO flower core-shell nanostructures for supercapacitor. <b>2014</b> , 40, 5533-5538	79
1565	Hierarchical Co <sub>3</sub> O <sub>4</sub> @PPy@MnO <sub>2</sub> core-shell-shell nanowire arrays for enhanced electrochemical energy storage. <b>2014</b> , 7, 42-51	139
1564	Polyaniline and polypyrrole pseudocapacitor electrodes with excellent cycling stability. <b>2014</b> , 14, 2522-7	589
1563	Development of MnO <sub>2</sub> /porous carbon microspheres with a partially graphitic structure for high performance supercapacitor electrodes. <b>2014</b> , 2, 2555-2562	263
1562	Manganese dioxide nanosheet arrays grown on graphene oxide as an advanced electrode material for supercapacitors. <b>2014</b> , 117, 528-533	71
1561	Nanohybrids from NiCoAl-LDH coupled with carbon for pseudocapacitors: understanding the role of nano-structured carbon. <b>2014</b> , 6, 3097-104	156
1560	Hollow carbon nanofibers as an effective electrode for brackish water desalination using the capacitive deionization process. <b>2014</b> , 38, 198-205	95
1559	Controlled growth of mesoporous ZnCo <sub>2</sub> O <sub>4</sub> nanosheet arrays on Ni foam as high-rate electrodes for supercapacitors. <b>2014</b> , 4, 2393-2397	80
1558	Beta-manganese dioxide nanoflowers self-assembled by ultrathin nanoplates with enhanced supercapacitive performance. <b>2014</b> , 2, 9353	34

1557	All-solid-state supercapacitors with poly(3,4-ethylenedioxythiophene)-coated carbon fiber paper electrodes and ionic liquid gel polymer electrolyte. <b>2014</b> , 245, 857-865	135
1556	High-capacitance MnO <sub>2</sub> nanoflakes on preformed C/TiO <sub>2</sub> shell/core nanowire arrays for electrochemical energy storage. <b>2014</b> , 120, 416-422	28
1555	Capacitance performance of nanostructured Ni(OH) <sub>2</sub> with different morphologies grown on nickel foam. <b>2014</b> , 720-721, 115-120	12
1554	A Review of Graphene-Based Electrochemical Microsupercapacitors. <b>2014</b> , 26, 30-51	277
1553	High-capacity graphene oxide/graphite/carbon nanotube composites for use in Li-ion battery anodes. <b>2014</b> , 74, 153-162	82
1552	Direct formation of reduced graphene oxide and 3D lightweight nickel network composite foam by hydrohalic acids and its application for high-performance supercapacitors. <b>2014</b> , 6, 10248-57	53
1551	Ordered assembly of NiCo <sub>2</sub> O <sub>4</sub> multiple hierarchical structures for high-performance pseudocapacitors. <b>2014</b> , 6, 11394-402	114
1550	Facile synthesis of nickel network supported three-dimensional graphene gel as a lightweight and binder-free electrode for high rate performance supercapacitor application. <b>2014</b> , 6, 2426-33	56
1549	Hierarchical CNT@NiCo <sub>2</sub> O <sub>4</sub> core-shell hybrid nanostructure for high-performance supercapacitors. <b>2014</b> , 2, 11509-11515	89
1548	Facile construction of ultrathin standing Ni(OH) <sub>2</sub> nanosheets on halloysite nanotubes and their enhanced electrochemical capacitance. <b>2014</b> , 2, 11299-11304	44
1547	Surfactant dependent self-organization of Co <sub>3</sub> O <sub>4</sub> nanowires on Ni foam for high performance supercapacitors: from nanowire microspheres to nanowire paddy fields. <b>2014</b> , 6, 3638-46	163
1546	In Situ Synthesis of Graphene/Polyselenophene Nanohybrid Materials as Highly Flexible Energy Storage Electrodes. <b>2014</b> , 26, 2354-2360	36
1545	Cobalt hexacyanoferrate nanoparticles as a high-rate and ultra-stable supercapacitor electrode material. <b>2014</b> , 6, 11007-12	141
1544	ZIF-derived porous carbon: a promising supercapacitor electrode material. <b>2014</b> , 2, 12873	146
1543	Nickel Cobaltite Nanostructures with Enhanced Supercapacitance Activity. <b>2014</b> , 118, 17332-17341	60
1542	Ternary nitrogen-doped graphene/nickel ferrite/polyaniline nanocomposites for high-performance supercapacitors. <b>2014</b> , 269, 250-259	106
1541	Bath temperature impact on morphological evolution of Ni(OH) <sub>2</sub> thin films and their supercapacitive behaviour. <b>2014</b> , 37, 27-33	15
1540	Computer simulation of active layers in the electric double layer supercapacitor: Optimization of active layer charging modes and structure, calculation of overall characteristics. <b>2014</b> , 50, 208-222	4

1539	Improving the specific capacitance of carbon nanotubes-based supercapacitors by combining introducing functional groups on carbon nanotubes with using redox-active electrolyte. <b>2014</b> , 115, 183-188	66
1538	A facile method to prepare a high performance solid-state flexible paper-based supercapacitor. <b>2014</b> , 313, 704-710	15
1537	Au@MnO <sub>2</sub> core-shell nanomesh electrodes for transparent flexible supercapacitors. <b>2014</b> , 10, 4136-41	76
1536	Effects of Pore Structure on Performance of An Activated-Carbon Supercapacitor Electrode Recycled from Scrap Waste Tires. <b>2014</b> , 2, 1592-1598	227
1535	Mesoporous Polyaniline Films for High Performance Supercapacitors. <b>2014</b> , 161, G63-G68	43
1534	Effect of Nafion on the preparation and capacitance performance of polyaniline. <b>2014</b> , 39, 16132-16138	10
1533	Electrochemically Self-Doped TiO <sub>2</sub> Nanotube Arrays for Supercapacitors. <b>2014</b> , 118, 5626-5636	223
1532	One-step synthesis of CoNi <sub>2</sub> S <sub>4</sub> nanoparticles for supercapacitor electrodes. <b>2014</b> , 4, 6998	113
1531	Enhanced supercapacitive performance of chemically grown cobalt-nickel hydroxides on three-dimensional graphene foam electrodes. <b>2014</b> , 6, 2450-8	152
1530	Large capacitance enhancement induced by metal-doping in graphene-based supercapacitors: a first-principles-based assessment. <b>2014</b> , 6, 12168-76	28
1529	Anthraquinone on Porous Carbon Nanotubes with Improved Supercapacitor Performance. <b>2014</b> , 118, 8262-8270	121
1528	Facile synthesis of single-crystalline NiO nanosheet arrays on Ni foam for high-performance supercapacitors. <b>2014</b> , 16, 2878-2884	119
1527	Exceptional pseudocapacitive properties of hierarchical NiO ultrafine nanowires grown on mesoporous NiO nanosheets. <b>2014</b> , 2, 12799-12804	44
1526	A comparative study of alkylimidazolium room temperature ionic liquids with FSI and TFSI anions near charged electrodes. <b>2014</b> , 145, 40-52	45
1525	Facile preparation of three-dimensional multilayer porous MnO <sub>2</sub> /reduced graphene oxide composite and its supercapacitive performance. <b>2014</b> , 271, 582-588	53
1524	In situ hydrothermal growth of ferric oxides on carbon cloth for low-cost and scalable high-energy-density supercapacitors. <b>2014</b> , 9, 345-354	113
1523	Preparation, characterization and electrochemical properties of porous NiO/NPC composite nanosheets. <b>2014</b> , 200, 92-100	10
1522	Fe <sub>2</sub> O <sub>3</sub> /graphene nanocomposites as a stable high performance anode material for neutral aqueous supercapacitors. <b>2014</b> , 2, 16955-16962	48



1521	Low-cost and high energy density asymmetric supercapacitors based on polyaniline nanotubes and MoO <sub>3</sub> nanobelts. <b>2014</b> , 2, 10384-10388	94
1520	Fabrication of 1D nickel sulfide nanocrystals with high capacitances and remarkable durability. <b>2014</b> , 4, 47513-47516	16
1519	Hierarchical porous Ni(OH) <sub>2</sub> grown from a compact ion layer as an electrode by using one-pot synthesis and its pseudocapacitive behaviour. <b>2014</b> , 4, 567-571	12
1518	Direct synthesis of a mesoporous TiO <sub>2</sub> -RuO <sub>2</sub> composite through evaporation-induced polymeric micelle assembly. <b>2014</b> , 16, 10425-8	14
1517	Facile synthesis of hierarchical MnO <sub>2</sub> sub-microspheres composed of nanosheets and their application for supercapacitors. <b>2014</b> , 4, 40753-40757	33
1516	Porous graphitic carbon prepared from the catalytic carbonization of Mo-containing resin for supercapacitors. <b>2014</b> , 4, 13518	26
1515	Two-dimensional tin selenide nanostructures for flexible all-solid-state supercapacitors. <b>2014</b> , 8, 3761-70	271
1514	Extraordinarily high pseudocapacitance of metal organic framework derived nanostructured cerium oxide. <b>2014</b> , 50, 11717-20	160
1513	Recent advances in porous graphene materials for supercapacitor applications. <b>2014</b> , 4, 45862-45884	179
1512	Nanosheet-based hierarchical Ni <sub>2</sub> (CO <sub>3</sub> )(OH) <sub>2</sub> microspheres with weak crystallinity for high-performance supercapacitor. <b>2014</b> , 6, 17208-14	105
1511	Reinforced conducting hydrogels prepared from the in situ polymerization of aniline in an aqueous solution of sodium alginate. <b>2014</b> , 2, 16516-16522	66
1510	Fe <sub>2</sub> O <sub>3</sub> @SnO <sub>2</sub> nanoparticle decorated graphene flexible films as high-performance anode materials for lithium-ion batteries. <b>2014</b> , 2, 4598-4604	66
1509	Fabrication of a 3D MnO <sub>2</sub> /graphene hydrogel for high-performance asymmetric supercapacitors. <b>2014</b> , 2, 2765	192
1508	Great improvement in pseudocapacitor properties of nickel hydroxide via simple gold deposition. <b>2014</b> , 6, 11646-52	52
1507	In situ formation of Ni(OH) <sub>2</sub> nanoparticle on nitrogen-doped reduced graphene oxide nanosheet for high-performance supercapacitor electrode material. <b>2014</b> , 317, 370-377	35
1506	Reciprocal alternate deposition strategy using metal oxide/carbon nanotube for positive and negative electrodes of high-performance supercapacitors. <b>2014</b> , 10, 108-116	53
1505	Graphene-wrapped and cobalt oxide-intercalated hybrid for extremely durable super-capacitor with ultrahigh energy and power densities. <b>2014</b> , 79, 192-202	140
1504	Different proportions of C/KCu <sub>7</sub> S <sub>4</sub> hybrid structure for high-performance supercapacitors. <b>2014</b> , 263, 175-180	15

1503	Controllable synthesis of CoAl LDH@Ni(OH) <sub>2</sub> nanosheet arrays as binder-free electrode for supercapacitor applications. <b>2014</b> , 608, 297-303	59
1502	Graphene/MnO <sub>2</sub> nanocomposite for high-performance asymmetrical electrochemical capacitor. <b>2014</b> , 49, 577-583	39
1501	Miniature wire-shaped solar cells, electrochemical capacitors and lithium-ion batteries. <b>2014</b> , 17, 276-284	44
1500	Three-dimensional CoD@NiMoO <sub>4</sub> core/shell nanowire arrays on Ni foam for electrochemical energy storage. <b>2014</b> , 6, 5050-5	175
1499	Electric double-layer capacitors based on highly graphitized nanoporous carbons derived from ZIF-67. <b>2014</b> , 20, 7895-900	344
1498	A new type of porous graphite foams and their integrated composites with oxide/polymer core/shell nanowires for supercapacitors: structural design, fabrication, and full supercapacitor demonstrations. <b>2014</b> , 14, 1651-8	395
1497	Needle-like Co <sub>3</sub> O <sub>4</sub> anchored on the graphene with enhanced electrochemical performance for aqueous supercapacitors. <b>2014</b> , 6, 7626-32	267
1496	Direct synthesis of highly porous interconnected carbon nanosheets and their application as high-performance supercapacitors. <b>2014</b> , 8, 5069-78	540
1495	Facile synthesis of porous MnCo <sub>2</sub> O <sub>4.5</sub> hierarchical architectures for high-rate supercapacitors. <b>2014</b> , 16, 2335-2339	104
1494	1-D structured flexible supercapacitor electrodes with prominent electronic/ionic transport capabilities. <b>2014</b> , 6, 268-74	29
1493	Self-Assembled Fe <sub>2</sub> O <sub>3</sub> mesocrystals/graphene nanohybrid for enhanced electrochemical capacitors. <b>2014</b> , 10, 2270-9	146
1492	Easy synthesis of phosphorus-incorporated three-dimensionally ordered macroporous carbons with hierarchical pores and their use as electrodes for supercapacitors. <b>2014</b> , 115, 206-215	49
1491	Polypyrrole/hexadecylpyridinium chloride-modified graphite oxide composites: Fabrication, characterization, and application in supercapacitors. <b>2014</b> , 246, 621-628	68
1490	Effects of the graphene content and the treatment temperature on the supercapacitive properties of VOx/graphene nanocomposites. <b>2014</b> , 449, 148-156	19
1489	Improving the performance of all-solid-state supercapacitors by modifying ionic liquid gel electrolytes with graphene nanosheets prepared by arc-discharge. <b>2014</b> , 25, 859-864	20
1488	Facile preparation of polypyrrole/graphene oxide nanocomposites with large areal capacitance using electrochemical codeposition for supercapacitors. <b>2014</b> , 263, 259-267	187
1487	Kilohertz ultrafast electrochemical supercapacitors based on perpendicularly-oriented graphene grown inside of nickel foam. <b>2014</b> , 71, 94-101	116
1486	Ultrafine Au nanoparticles decorated NiCo <sub>2</sub> O <sub>4</sub> nanotubes as anode material for high-performance supercapacitor and lithium-ion battery applications. <b>2014</b> , 7, 114-123	172

1485	One-Step Synthesis of Ni/Ni(OH) <sub>2</sub> @Multiwalled Carbon Nanotube Coaxial Nanocable Film For High Performance Supercapacitors. <b>2014</b> , 125, 427-434	24
1484	Controllable Growth of Hierarchical NiCo <sub>2</sub> O <sub>4</sub> Nanowires and Nanosheets on Carbon Fiber Paper and their Morphology-Dependent Pseudocapacitive Performances. <b>2014</b> , 133, 382-390	51
1483	Synthesis and characterization of PANI/MnO <sub>2</sub> bi-layered electrode and its electrochemical supercapacitor properties. <b>2014</b> , 52, 37-41	46
1482	Hierarchical construction of core-shell metal oxide nanoarrays with ultrahigh areal capacitance. <b>2014</b> , 7, 170-178	102
1481	A chemical and electrochemical multivalent memory made from FeNi <sub>3</sub> -graphene nanocomposites. <b>2014</b> , 39, 15-18	14
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1479	Tubular array, dielectric, conductivity and electrochemical properties of biodegradable gel polymer electrolyte. <b>2014</b> , 180, 12-19	47
1478	Porous carbons prepared by direct carbonization of MOFs for supercapacitors. <b>2014</b> , 308, 306-310	122
1477	Growth of single-crystalline Na <sub>0.33</sub> V <sub>2</sub> O <sub>5</sub> nanowires on conducting substrate: A binder-free electrode for energy storage devices. <b>2014</b> , 251, 237-242	15
1476	Nitrogen/phosphorus co-doped nonporous carbon nanofibers for high-performance supercapacitors. <b>2014</b> , 248, 745-751	128
1475	Wide-voltage-window silicon nanowire electrodes for micro-supercapacitors via electrochemical surface oxidation in ionic liquid electrolyte. <b>2014</b> , 41, 31-34	55
1474	Enhanced Symmetric Supercapacitive Performance of Co(OH) <sub>2</sub> Nanorods Decorated Conducting Porous Graphene Foam Electrodes. <b>2014</b> , 129, 334-342	80
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1472	Three-dimensional nanoporous TiO <sub>2</sub> network films with excellent electrochemical capacitance performance. <b>2014</b> , 597, 1-7	23
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1470	SO <sub>4</sub> <sup>2-</sup> /SnO <sub>2</sub> as a new electrode for electrochemical supercapacitors. <b>2014</b> , 40, 8925-8929	8
1469	Assembly of Ni-Al layered double hydroxide and graphene electrodes for supercapacitors. <b>2014</b> , 134, 127-135	122
1468	Synthesis, crystal structure and pseudocapacitor electrode properties of Bi <sub>2</sub> MoO <sub>6</sub> nanoplates. <b>2014</b> , 35, 18-27	41

1467	In situ growth of monodisperse Fe <sub>3</sub> O <sub>4</sub> nanoparticles on graphene as flexible paper for supercapacitor. <b>2014</b> , 2, 12068-12074	114
1466	Bismuth oxide nanotubes-graphene fiber-based flexible supercapacitors. <b>2014</b> , 6, 8595-600	105
1465	Effect of supercritical CO <sub>2</sub> on fabrication of free-standing hierarchical graphene oxide/carbon nanofiber/polypyrrole film and its electrochemical property. <b>2014</b> , 16, 7350-7	18
1464	High-power lithium-ion capacitor using LiMnBO <sub>3</sub> -nanobead anode and polyaniline-nanofiber cathode with excellent cycle life. <b>2014</b> , 7, 2310-6	26
1463	Construction of Hybrid Supercapacitor-Batteries with dual-scale shelled architecture. <b>2014</b> , 7, 1881-7	8
1462	A V <sub>2</sub> O <sub>5</sub> /conductive-polymer core/shell nanobelt array on three-dimensional graphite foam: a high-rate, ultrastable, and freestanding cathode for lithium-ion batteries. <b>2014</b> , 26, 5794-800	400
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1460	Effect of the formulation of the electrode on the pore texture and electrochemical performance of the manganese dioxide-based electrode for application in a hybrid electrochemical capacitor. <b>2014</b> , 2, 6463	33
1459	Phase Transformation Induced Capacitance Activation for 3D Graphene-CoO Nanorod Pseudocapacitor. <b>2014</b> , 4, 1301788	75
1458	Composite manganese oxide percolating networks as a suspension electrode for an asymmetric flow capacitor. <b>2014</b> , 6, 8886-93	88
1457	High performance nitrogen-doped porous graphene/carbon frameworks for supercapacitors. <b>2014</b> , 2, 8859	85
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1455	Polydopamine and its derivative materials: synthesis and promising applications in energy, environmental, and biomedical fields. <b>2014</b> , 114, 5057-115	3034
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1450	NiCo <sub>2</sub> O <sub>4</sub> -based materials for electrochemical supercapacitors. <b>2014</b> , 2, 14759-14772	352

1449	The preparation of MnFe <sub>2</sub> O <sub>4</sub> decorated flexible graphene wrapped with PANI and its electrochemical performances for hybrid supercapacitors. <b>2014</b> , 4, 17555	96
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1442	Electrochemical investigation of copper/nickel oxide composites for supercapacitor applications. <b>2014</b> , 39, 16562-16568	28
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1440	One-pot Hydrothermal Synthesis of 3D Flower-like RGO/Co <sub>3</sub> O <sub>4</sub> /Ni(OH) <sub>2</sub> Composite Film on Nickel Foam for High-performance Supercapacitors. <b>2014</b> , 135, 336-344	48
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1437	Flexible coaxial-type fiber supercapacitor based on NiCo <sub>2</sub> O <sub>4</sub> nanosheets electrodes. <b>2014</b> , 8, 44-51	212
1436	The facile synthesis of hierarchical NiCo <sub>2</sub> O <sub>4</sub> nanotubes comprised ultrathin nanosheets for supercapacitors. <b>2014</b> , 267, 641-647	67
1435	Shaping graphene oxide by electrochemistry: From foams to self-assembled molecular materials. <b>2014</b> , 77, 405-415	26
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1433	Three-Dimensional Kenaf Stem-Derived Porous Carbon/MnO <sub>2</sub> for High-Performance Supercapacitors. <b>2014</b> , 135, 380-387	61
1432	Activated carbon made from cow dung as electrode material for electrochemical double layer capacitor. <b>2014</b> , 262, 224-231	213

1431	Microwave-assisted synthesis of Ru/mesoporous carbon composites for supercapacitors. <b>2014</b> , 115, 96-99	20
1430	Synthesis and electrochemical properties of MnO <sub>2</sub> /rGO/PEDOT:PSS ternary composite electrode material for supercapacitors. <b>2014</b> , 127, 53-55	53
1429	Reactable ionic liquid assisted solvothermal synthesis of graphite-like C <sub>3</sub> N <sub>4</sub> hybridized Fe <sub>2</sub> O <sub>3</sub> hollow microspheres with enhanced supercapacitive performance. <b>2014</b> , 245, 866-874	138
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1426	MnO <sub>2</sub> /Au Composite Electrodes for Supercapacitors. <b>2014</b> , 43, 122-124	11
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1422	Supercapacitors' Applications. <b>2015</b> , 479-492	2
1421	Introduction to Electrochemical Energy Storage and Conversion. <b>2015</b> , 3-32	
1420	Towards unlocking high-performance of supercapacitors: From layered transition-metal hydroxide electrode to redox electrolyte. <b>2015</b> , 58, 1779-1798	18
1419	Preparation and electrochemical performance of nitrogen-enriched carbon based on melamine formaldehyde resin/graphene oxide composites. <b>2015</b> , 44, 205-213	2
1418	The influence of urea on composition, microstructure and electrochemical properties of nitrogen-enriched carbon based on polyvinylpyrrolidone/melamine formaldehyde resin. <b>2015</b> , 44, 257-265	3
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1415	Carbon-Based Hybrid Composites as Advanced Electrodes for Supercapacitors. <b>2015</b> , 399-431	1
1414	Nanocarbons and Their Hybrids as Electrocatalysts for Metal-Air Batteries. <b>2015</b> , 177-214	2

1413	Combination of porous silica monolith and gold thin films for electrode material of supercapacitor. <b>2015</b> , 2, 125001	
1412	Hybrid Electrodes by In-Situ Integration of Graphene and Carbon-Nanotubes in Polypyrrole for Supercapacitors. <b>2015</b> , 5, 14445	50
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1409	Ice-templated Self-assembly of VOPO <sub>4</sub> -Graphene Nanocomposites for Vertically Porous 3D Supercapacitor Electrodes. <b>2015</b> , 5, 13696	53
1408	Flexible and High Performance Supercapacitors Based on NiCo <sub>2</sub> O <sub>4</sub> for Wide Temperature Range Applications. <b>2015</b> , 5, 15265	85
1407	Significant Performance Enhancement in Asymmetric Supercapacitors based on Metal Oxides, Carbon nanotubes and Neutral Aqueous Electrolyte. <b>2015</b> , 5, 15551	95
1406	Ultrafast Microwave Synthesis of Activated Carbon from <i>Enteromorpha prolifera</i> and Its Electrochemical Capacitive Behavior. <b>2015</b> , 44, 1613-1615	3
1405	Hybridization of Polyaniline on Sulfonated Graphene for an Electrochemical Supercapacitor. <b>2015</b> , 44, 217-219	1
1404	Preparation of Activated Carbon by KOH Activation from <i>Amygdalus Pedunculata</i> Shell and its Application for Electric Double-layer Capacitor. <b>2015</b> , 83, 351-353	13
1403	VO <sub>2</sub> /TiO <sub>2</sub> Nanosponges as Binder-Free Electrodes for High-Performance Supercapacitors. <b>2015</b> , 5, 16012	56
1402	Microwave-assisted synthesis of layer-by-layer ultra-large and thin NiAl-LDH/RGO nanocomposites and their excellent performance as electrodes. <b>2015</b> , 58, 944-952	32
1401	Carbon-Based Materials for Lithium-Ion Batteries, Electrochemical Capacitors, and Their Hybrid Devices. <b>2015</b> , 8, 2284-311	181
1400	Flexible Asymmetric Supercapacitor Based on Structure-Optimized Mn <sub>3</sub> O <sub>4</sub> /Reduced Graphene Oxide Nanohybrid Paper with High Energy and Power Density. <b>2015</b> , 25, 7291-7299	137
1399	All Metal Nitrides Solid-State Asymmetric Supercapacitors. <b>2015</b> , 27, 4566-71	313
1398	Programmable Nanocarbon-Based Architectures for Flexible Supercapacitors. <b>2015</b> , 5, 1500677	78
1397	Three-Dimensional NiMoO <sub>4</sub> Nanosheets Supported on a Carbon Fibers@Pre-Treated Ni Foam (CF@PNF) Substrate as Advanced Electrodes for Asymmetric Supercapacitors. <b>2015</b> , 10, 1745-52	22
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1395	Improved electrochemical performances of polyaniline by graphitized mesoporus carbon: Hybrid electrode for supercapacitor. <b>2015</b> , 132, n/a-n/a	6
1394	An Approach to Preparing Ni-P with Different Phases for Use as Supercapacitor Electrode Materials. <b>2015</b> , 21, 17897-903	80
1393	Textile supercapacitors-based on MnO <sub>2</sub> /SWNT/conducting polymer ternary composites. <b>2015</b> , 39, 2042-2052	39
1392	Highly compressible and all-solid-state supercapacitors based on nanostructured composite sponge. <b>2015</b> , 27, 6002-8	187
1391	Cellulose Nanocrystal Aerogels as Universal 3D Lightweight Substrates for Supercapacitor Materials. <b>2015</b> , 27, 6104-9	253
1390	Extraordinary Supercapacitor Performance of a Multicomponent and Mixed-Valence Oxyhydroxide. <b>2015</b> , 127, 8218-8222	13
1389	A Kinetic Model for Exfoliation Kinetics of Layered Materials. <b>2015</b> , 127, 10396-10400	2
1388	Controllable Preparation of Polyaniline-Graphene Nanocomposites using Functionalized Graphene for Supercapacitor Electrodes. <b>2015</b> , 21, 10408-15	50
1387	Covalently interconnected carbon nanotubes for enhanced charge transport in pseudocapacitors. <b>2015</b> , 252, 2236-2244	3
1386	Crosslinking Graphene Oxide into Robust 3D Porous N-Doped Graphene. <b>2015</b> , 27, 5171-5	165
1385	3D Reduced Graphene Oxide Coated V <sub>2</sub> O <sub>5</sub> Nanoribbon Scaffolds for High-Capacity Supercapacitor Electrodes. <b>2015</b> , 32, 817-821	43
1384	Synthesis of Manganese Oxide Microspheres by Ultrasonic Spray Pyrolysis and Their Application as Supercapacitors. <b>2015</b> , 32, 899-906	14
1383	Porous Hybrid Composites of Few-Layer MoS <sub>2</sub> Nanosheets Embedded in a Carbon Matrix with an Excellent Supercapacitor Electrode Performance. <b>2015</b> , 11, 6480-90	89
1382	Hierarchical Tubular Structures Composed of Mn-Based Mixed Metal Oxide Nanoflakes with Enhanced Electrochemical Properties. <b>2015</b> , 25, 5184-5189	116
1381	Morphology and Phase Evolution of CoAl Layered Double Hydroxides in an Alkaline Environment with Enhanced Pseudocapacitive Performance. <b>2015</b> , 2, 679-683	12
1380	Electrochemical Capacitors Based on Carbon Electrodes in Aqueous Electrolytes. <b>2015</b> , 285-312	2
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1378	Influence of the Synthetic Conditions on the Structural and Electrochemical Properties of Carbon Nano-Onions. <b>2015</b> , 16, 2182-91	22



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1350	. <b>2015</b> ,	13
1349	. <b>2015</b> ,	3
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1204	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
1203	Facilely synthesized phase nickel-cobalt bimetallic hydroxides: Tuning the composition for high pseudocapacitance. <b>2015</b> , 156, 108-114	58
1202	Control of manganese dioxide crystallographic structure in the redox reaction between graphene and permanganate ions and their electrochemical performance. <b>2015</b> , 5, 21978-21987	23
1201	Rapid and efficient redox processes within 2D covalent organic framework thin films. <b>2015</b> , 9, 3178-83	247
1200	Extending Electrochemical Quartz Crystal Microbalance Techniques to Macroscale Electrodes: Insights on Pseudocapacitance Mechanisms in MnOx-Coated Carbon Nanofoams. <b>2015</b> , 162, A5060-A5064	14
1199	Notebook-like triboelectric generator for efficiently harvesting low-velocity motion energy by interconversion between kinetic energy and elastic potential energy. <b>2015</b> , 7, 1275-83	19
1198	A silver-nanoparticle-catalyzed graphite composite for electrochemical energy storage. <b>2015</b> , 275, 688-693	13

1197	Polypyrrole shell@3D-Ni metal core structured electrodes for high-performance supercapacitors. <b>2015</b> , 21, 4614-21	80
1196	Ultrahigh performance supercapacitor from lacey reduced graphene oxide nanoribbons. <b>2015</b> , 7, 3110-6	100
1195	Hierarchical nanostructured polypyrrole/graphene composites as supercapacitor electrode. <b>2015</b> , 5, 15096-15102	79
1194	Fabrication of polyaniline/graphene/titania nanotube arrays nanocomposite and their application in supercapacitors. <b>2015</b> , 630, 214-221	43
1193	Doubling of electrochemical parameters via the pre-intercalation of Na <sup>+</sup> in layered MnO <sub>2</sub> nanoflakes compared to MnO <sub>2</sub> nanorods. <b>2015</b> , 5, 9667-9673	32
1192	Dendritic heterojunction nanowire arrays for high-performance supercapacitors. <b>2015</b> , 5, 7862	76
1191	Wet-spun, porous, orientational graphene hydrogel films for high-performance supercapacitor electrodes. <b>2015</b> , 7, 4080-7	72
1190	A novel fabrication of nitrogen-containing carbon nanospheres with high rate capability as electrode materials for supercapacitors. <b>2015</b> , 5, 12034-12042	47
1189	Hybrid energy storage: the merging of battery and supercapacitor chemistries. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 1777-90	58.5 1401
1188	Cellulose nanofibril/reduced graphene oxide/carbon nanotube hybrid aerogels for highly flexible and all-solid-state supercapacitors. <b>2015</b> , 7, 3263-71	292
1187	Solvothermal synthesis of NiCo-layered double hydroxide nanosheets decorated on RGO sheets for high performance supercapacitor. <b>2015</b> , 268, 251-259	290
1186	Transitions from near-surface to interior redox upon lithiation in conversion electrode materials. <b>2015</b> , 15, 1437-44	92
1185	Synthesis of high electrochemical performance Ni(OH) <sub>2</sub> nanosheets through a solvent-free reaction for application in supercapacitor. <b>2015</b> , 26, 434-438	14
1184	Development of high energy density supercapacitor through hydrothermal synthesis of RGO/nano-structured cobalt sulphide composites. <b>2015</b> , 26, 075402	27
1183	Polyaniline nanofiber/large mesoporous carbon composites as electrode materials for supercapacitors. <b>2015</b> , 332, 40-46	55
1182	Nitrogen-containing carbon microspheres for supercapacitor electrodes. <b>2015</b> , 158, 166-174	130
1181	Mesoporous carbon microspheres with high capacitive performances for supercapacitors. <b>2015</b> , 158, 237-245	34
1180	Enteromorpha based porous carbons activated by zinc chloride for supercapacitors with high capacity retention. <b>2015</b> , 5, 16575-16581	37

1179	Influence of particle size on performance of a nickel oxide nanoparticle-based supercapacitor. <b>2015</b> , 5, 14010-14019	115
1178	Honeycomb-like NiMoO <sub>4</sub> ultrathin nanosheet arrays for high-performance electrochemical energy storage. <b>2015</b> , 3, 6128-6135	175
1177	A one-step, cost-effective green method to in situ fabricate Ni(OH) <sub>2</sub> hexagonal platelets on Ni foam as binder-free supercapacitor electrode materials. <b>2015</b> , 3, 1953-1960	147
1176	High-Performance Supercapacitors Based on Novel Graphene Composites. <b>2015</b> , 145-170	
1175	A simple and high-performance supercapacitor based on nitrogen-doped porous carbon in redox-mediated sodium molybdate electrolyte. <b>2015</b> , 158, 361-367	48
1174	Preparation of Nitrogen and Sulfur dual-doped Mesoporous Carbon for Supercapacitor Electrodes with Long Cycle Stability. <b>2015</b> , 177, 327-334	53
1173	Binary cooperative NiCo <sub>2</sub> O <sub>4</sub> on the nickel foams with quasi-two-dimensional precursors: a bridge between 'supercapacitor' and 'battery' in electrochemical energy storage. <b>2015</b> , 17, 5606-12	6
1172	Fabrication of three dimensional carbon nanotube foam by direct conversion carbon dioxide and its application in supercapacitor. <b>2015</b> , 158, 35-41	26
1171	One-step electroplating porous graphene oxide electrodes of supercapacitors for ultrahigh capacitance and energy density. <b>2015</b> , 26, 055401	7
1170	Effects of morphology and chemical doping on electrochemical properties of metal hydroxides in pseudocapacitors. <b>2015</b> , 7, 3181-8	40
1169	Preparation and enhanced supercapacitance performance of porous carbon spheres with a high degree of graphitization. <b>2015</b> , 5, 2088-2095	17
1168	NiMoO <sub>4</sub> nanowire @ MnO <sub>2</sub> nanoflake core/shell hybrid structure aligned on carbon cloth for high-performance supercapacitors. <b>2015</b> , 5, 10681-10687	31
1167	Activation of sucrose-derived carbon spheres for high-performance supercapacitor electrodes. <b>2015</b> , 5, 9307-9313	61
1166	Ternary Hybrids of Amorphous Nickel Hydroxide/Carbon Nanotube-Conducting Polymer for Supercapacitors with High Energy Density, Excellent Rate Capability, and Long Cycle Life. <b>2015</b> , 25, 1063-1073	264
1165	Reduced graphene oxide hydrogel film with a continuous ion transport network for supercapacitors. <b>2015</b> , 7, 3712-8	37
1164	Flexible and stackable laser-induced graphene supercapacitors. <b>2015</b> , 7, 3414-9	265
1163	Heating-rate-induced porous Fe <sub>2</sub> O <sub>3</sub> with controllable pore size and crystallinity grown on graphene for supercapacitors. <b>2015</b> , 7, 75-9	86
1162	One-step facile solvothermal synthesis of copper ferrite-graphene composite as a high-performance supercapacitor material. <b>2015</b> , 7, 2404-14	164

1161	Natural source derived carbon paper supported conducting polymer nanowire arrays for high performance supercapacitors. <b>2015</b> , 5, 14441-14447	29
1160	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
1159	One-step synthesis of iodine doped polyaniline-reduced graphene oxide composite hydrogel with high capacitive properties. <b>2015</b> , 109, 12-17	35
1158	Dendrimer-functionalized magnetic nanoparticles: A new electrode material for electrochemical energy storage devices. <b>2015</b> , 280, 217-226	54
1157	Surface design and engineering of hierarchical hybrid nanostructures for asymmetric supercapacitors with improved electrochemical performance. <b>2015</b> , 447, 282-301	36
1156	Ultra-fast rate capability of a symmetric supercapacitor with a hierarchical Co <sub>3</sub> O <sub>4</sub> nanowire/nanoflower hybrid structure in non-aqueous electrolyte. <b>2015</b> , 5, 12700-12709	43
1155	Controlled partial-exfoliation of graphite foil and integration with MnO <sub>2</sub> nanosheets for electrochemical capacitors. <b>2015</b> , 7, 3581-7	81
1154	Highly Stable Supercapacitors with Conducting Polymer Core-Shell Electrodes for Energy Storage Applications. <b>2015</b> , 5, 1401805	113
1153	Co <sub>3</sub> O <sub>4</sub> @MWCNT nanocable as cathode with superior electrochemical performance for supercapacitors. <b>2015</b> , 7, 2280-5	147
1152	Enhanced performance of nickel-aluminum layered double hydroxide nanosheets/carbon nanotubes composite for supercapacitor and asymmetric capacitor. <b>2015</b> , 635, 225-232	81
1151	Hierarchical NiMn <sub>2</sub> O <sub>4</sub> @CNT nanocomposites for high-performance asymmetric supercapacitors. <b>2015</b> , 5, 24607-24614	60
1150	Preparation of a reduced graphene oxide hydrogel by Ni ions and its use in a supercapacitor electrode. <b>2015</b> , 5, 22753-22758	12
1149	. <b>2015</b> , 3, 89-98	48
1148	Hierarchical porous carbon materials with high capacitance derived from Schiff-base networks. <b>2015</b> , 7, 5811-9	93
1147	Biotemplated hierarchical nickel oxide supercapacitor electrodes. <b>2015</b> ,	1
1146	Nanostructured pseudocapacitive materials decorated 3D graphene foam electrodes for next generation supercapacitors. <b>2015</b> , 7, 6999-7021	106
1145	Meso/microporous nitrogen-containing carbon nanofibers with enhanced electrochemical capacitance performances. <b>2015</b> , 203, 149-155	6
1144	Freestanding MnO <sub>2</sub> nanoflakes/porous carbon nanofibers for high-performance flexible supercapacitor electrodes. <b>2015</b> , 161, 427-435	102

1143	Porous structure design of carbon xerogels for advanced supercapacitor. <b>2015</b> , 153, 32-40	29
1142	Directly carbonized lotus seedpod shells as high-stable electrode material for supercapacitors. <b>2015</b> , 21, 809-816	8
1141	Preparation of Nanostructural Carbon Nanofibers and Their Electrochemical Performance for Supercapacitors. <b>2015</b> , 183, 85-93	59
1140	Encapsulation of manganese oxides nanocrystals in electrospun carbon nanofibers as free-standing electrode for supercapacitors. <b>2015</b> , 41, 7402-7410	24
1139	Non-covalently functionalizing a graphene framework by anthraquinone for high-rate electrochemical energy storage. <b>2015</b> , 5, 23942-23951	57
1138	A novel interlocked Prussian blue/reduced graphene oxide nanocomposites as high-performance supercapacitor electrodes. <b>2015</b> , 19, 1621-1631	47
1137	Structure, morphology and electrochemical properties of zinc/cobalt oxide films on AISI 304 type steel. <b>2015</b> , 45, 405-417	9
1136	MnO <sub>2</sub> nanoflakes/hierarchical porous carbon nanocomposites for high-performance supercapacitor electrodes. <b>2015</b> , 164, 252-259	62
1135	Interwoven three-dimensional architecture of cobalt oxide nanobrush-graphene@Ni(x)Co(2x)(OH)(6x) for high-performance supercapacitors. <b>2015</b> , 15, 2037-44	129
1134	Water bamboo-derived porous carbons as electrode materials for supercapacitors. <b>2015</b> , 39, 3859-3864	34
1133	Three-dimensional hierarchical ZnCo <sub>2</sub> O <sub>4</sub> flower-like microspheres assembled from porous nanosheets: Hydrothermal synthesis and electrochemical properties. <b>2015</b> , 41, 7556-7564	29
1132	Facile fabrication and supercapacitive properties of mesoporous zinc cobaltite microspheres. <b>2015</b> , 284, 138-145	53
1131	Electrochemical synthesis of ultrafast and gram-scale surfactant-free tellurium nanowires by gas-solid transformation and their applications as supercapacitor electrodes for p-doping of graphene transistors. <b>2015</b> , 7, 7535-9	12
1130	Porous hexagonal cobalt oxyhydroxide sheets with attached nickel hydroxide nanoparticles as electrode materials for electrochemical supercapacitors. <b>2015</b> , 5, 15674-15681	6
1129	Ni <sup>3+</sup> doped monolayer layered double hydroxide nanosheets as efficient electrodes for supercapacitors. <b>2015</b> , 7, 7168-73	98
1128	Recent advances on multi-component hybrid nanostructures for electrochemical capacitors. <b>2015</b> , 294, 31-50	94
1127	Controlling hydrazine reduction to deposit iron oxides on oxidized activated carbon for supercapacitor application. <b>2015</b> , 86, 292-299	28
1126	3D hierarchical mesoporous rose-like NiO nanosheets for high-performance supercapacitor electrodes. <b>2015</b> , 648, 414-418	41

1125	Low-cost flexible supercapacitors with high-energy density based on nanostructured MnO <sub>2</sub> and Fe <sub>2</sub> O <sub>3</sub> thin films directly fabricated onto stainless steel. <b>2015</b> , 5, 12454	160
1124	Cotton-based porous activated carbon with a large specific surface area as an electrode material for high-performance supercapacitors. <b>2015</b> , 5, 64704-64710	61
1123	Facile self-templating large scale preparation of biomass-derived 3D hierarchical porous carbon for advanced supercapacitors. <b>2015</b> , 3, 18154-18162	326
1122	Growth of Ultrathin Mesoporous Ni-Mo Oxide Nanosheet Arrays on Ni Foam for High-performance Supercapacitor Electrodes. <b>2015</b> , 176, 1343-1351	35
1121	Simple noncovalent hybridization of polyaniline with graphene and its application for pseudocapacitor. <b>2015</b> , 209, 60-67	15
1120	Rational design of polyaniline/MnO <sub>2</sub> /carbon cloth ternary hybrids as electrodes for supercapacitors. <b>2015</b> , 5, 66311-66317	31
1119	Egg-Box Structure in Cobalt Alginate: A New Approach to Multifunctional Hierarchical Mesoporous N-Doped Carbon Nanofibers for Efficient Catalysis and Energy Storage. <b>2015</b> , 1, 261-9	163
1118	Synergistic enhancement of electrochemical performance of electrospun TiC/C hybrid nanofibers for supercapacitor application. <b>2015</b> , 176, 402-409	27
1117	Raspberry-like Pt clusters with controlled spacing produced by deposition of loaded block copolymer micelles from supercritical CO <sub>2</sub> . <b>2015</b> , 71, 73-84	4
1116	In situ fabrication of porous festuca scoparia-like Ni <sub>0.3</sub> Co <sub>2.7</sub> O <sub>4</sub> nanostructures on Ni-foam: An efficient electrode material for supercapacitor applications. <b>2015</b> , 40, 12303-12314	38
1115	Facile synthesis of ultra-small ruthenium oxide nanoparticles anchored on reduced graphene oxide nanosheets for high-performance supercapacitors. <b>2015</b> , 5, 67638-67645	40
1114	Novel route to synthesis of N-doped graphene/Cu <sub>2</sub> Li oxide composite for high electrochemical performance. <b>2015</b> , 94, 962-970	66
1113	ELECTROCHEMICAL-HYDROTHERMAL SYNTHESIS OF MANGANESE OXIDE FILMS AS ELECTRODES FOR ELECTROCHEMICAL CAPACITORS. <b>2015</b> , 178, 199-208	16
1112	Nitrogen-doped porous carbon derived from citric acid and urea with outstanding supercapacitance performance. <b>2015</b> , 178, 144-152	64
1111	Potential active materials for photo-supercapacitor: A review. <b>2015</b> , 296, 169-185	77
1110	Ionic liquid modified graphene for supercapacitors with high rate capability. <b>2015</b> , 176, 1441-1446	31
1109	Thiamine-Based Nitrogen, Phosphorus, and Silicon Tri-doped Carbon for Supercapacitor Applications. <b>2015</b> , 3, 2194-2202	34
1108	Three-dimensional Fe <sub>2</sub> O <sub>3</sub> /carbon nanotube sponges as flexible supercapacitor electrodes. <b>2015</b> , 3, 20927-20934	125

1107	Lignite-derived high surface area mesoporous activated carbons for electrochemical capacitors. <b>2015</b> , 138, 734-742	54
1106	Nitrogen and phosphorus co-doped cubic ordered mesoporous carbon as a supercapacitor electrode material with extraordinary cyclic stability. <b>2015</b> , 3, 18001-18009	103
1105	Synthesis of shish-kebab-like NiO@Co <sub>3</sub> O <sub>4</sub> nanowire arrays and their application for electrochemical energy storage. <b>2015</b> , 159, 313-316	10
1104	Pronounced improvement of supercapacitor capacitance by using redox active electrolyte of p-phenylenediamine. <b>2015</b> , 176, 941-948	28
1103	N-Type Hyperbranched Polymers for Supercapacitor Cathodes with Variable Porosity and Excellent Electrochemical Stability. <b>2015</b> , 48, 5196-5203	36
1102	Room-temperature synthesis of mesoporous CuO and its catalytic activity for cyclohexene oxidation. <b>2015</b> , 5, 67168-67174	20
1101	Growth-controlled NiCo <sub>2</sub> S <sub>4</sub> nanosheet arrays with self-decorated nanoneedles for high-performance pseudocapacitors. <b>2015</b> , 3, 17652-17658	97
1100	Tailoring Co(OH) <sub>2</sub> hollow nanostructures via Cu <sub>2</sub> O template etching for high performance supercapacitors. <b>2015</b> , 457, 212-7	15
1099	Preparation of hierarchically porous carbon nanofoams for electrode materials of supercapacitors. <b>2015</b> , 5, 70297-70301	6
1098	Fabrication of CoWO <sub>4</sub> @NiWO <sub>4</sub> nanocomposites with good supercapacitive performances. <b>2015</b> , 174, 837-845	55
1097	One-pot hydrothermal synthesis, characterization, and electrochemical properties of rGO/MnFe <sub>2</sub> O <sub>4</sub> nanocomposites. <b>2015</b> , 54, 06FH10	28
1096	One-step synthesis of MnO <sub>2</sub> doped poly(aniline- co - o -aminophenol) and the capacitive behaviors of the conducting copolymer. <b>2015</b> , 26, 1367-1370	10
1095	One-step electrodeposition of polyaniline/nickel hexacyanoferrate/sulfonated carbon nanotubes interconnected composite films for supercapacitor. <b>2015</b> , 19, 3157-3168	22
1094	Microwave-Assisted Oxidation of Electrospun Turbostratic Carbon Nanofibers for Tailoring Energy Storage Capabilities. <b>2015</b> , 27, 4574-4585	14
1093	A self-supporting graphene/MnO <sub>2</sub> composite for high-performance supercapacitors. <b>2015</b> , 40, 10176-10184	48
1092	Synthesis of Few-Layer MoS <sub>2</sub> Nanosheets-Wrapped Polyaniline Hierarchical Nanostructures for Enhanced Electrochemical Capacitance Performance. <b>2015</b> , 176, 149-155	62
1091	Hydrothermal synthesis of urchin-like MnO <sub>2</sub> nanostructures and its electrochemical character for supercapacitor. <b>2015</b> , 351, 862-868	58
1090	Two-dimensional titanium carbide electrode with large mass loading for supercapacitor. <b>2015</b> , 294, 354-359	158



1089	Amorphous Ni-Co Binary Oxide with Hierarchical Porous Structure for Electrochemical Capacitors. <b>2015</b> , 7, 24419-29	67
1088	Controlled synthesis of Ni <sub>0.25</sub> Co <sub>0.75</sub> (OH) <sub>2</sub> nanoplates and their electrochemical properties. <b>2015</b> , 17, 4859-4864	15
1087	Capacitive behaviour of functionalized carbon nanotube/ZnO composites coated on a glassy carbon electrode. <b>2015</b> , 3, 15650-15660	35
1086	NiCo <sub>2</sub> O <sub>4</sub> / MnO <sub>2</sub> heterostructured nanosheet: influence of preparation conditions on its electrochemical properties. <b>2015</b> , 176, 359-368	18
1085	Synthesis of reduced graphene oxide wrapped-copper sulfide hollow spheres as electrode material for supercapacitor. <b>2015</b> , 40, 10158-10167	90
1084	Asymmetric and symmetric solid-state supercapacitors based on 3D interconnected polyaniline@carbon nanotube framework. <b>2015</b> , 5, 62033-62039	20
1083	Nanostructured porous wires of iron cobaltite: novel positive electrode for high-performance hybrid energy storage devices. <b>2015</b> , 3, 16849-16859	82
1082	Activated carbon derived from melaleuca barks for outstanding high-rate supercapacitors. <b>2015</b> , 26, 304004	38
1081	Hydrangea-like multi-scale carbon hollow submicron spheres with hierarchical pores for high performance supercapacitor electrodes. <b>2015</b> , 176, 207-214	30
1080	A self-standing nanocomposite foam of polyaniline@reduced graphene oxide for flexible super-capacitors. <b>2015</b> , 209, 68-73	53
1079	One-pot synthesis of graphene/glucose/nickel oxide composite for the supercapacitor application. <b>2015</b> , 180, 679-686	16
1078	Heterogeneous NiCo <sub>2</sub> O <sub>4</sub> @polypyrrole core/sheath nanowire arrays on Ni foam for high performance supercapacitors. <b>2015</b> , 294, 120-127	125
1077	Preparation of graphene/vanadium oxide nanocomposite monolith and its electrochemical performance. <b>2015</b> , 70, 600-606	10
1076	Uniform fibrous-structured hollow mesoporous carbon spheres for high-performance supercapacitor electrodes. <b>2015</b> , 176, 542-547	36
1075	Enhancement of electrochemical capacitance by tailoring the geometry of TiO <sub>2</sub> nanotube electrodes. <b>2015</b> , 176, 1214-1220	19
1074	Rational design and synthesis of Ni <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> nanoparticles derived from multivariate MOF-74 for supercapacitors. <b>2015</b> , 3, 20145-20152	179
1073	Ultrathin mesoporous NiO nanosheet-anchored 3D nickel foam as an advanced electrode for supercapacitors. <b>2015</b> , 3, 17469-17478	82
1072	Electrochemical preparation and energy storage properties of nanoporous Co(OH) <sub>2</sub> via pulse current deposition. <b>2015</b> , 50, 6491-6497	16

1071	Three dimensional graphene networks for supercapacitor electrode materials. <b>2015</b> , 30, 193-206	40
1070	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
1069	Binary Nickel-Cobalt Oxides Electrode Materials for High-Performance Supercapacitors: Influence of its Composition and Porous Nature. <b>2015</b> , 7, 17630-40	203
1068	Self-assembled fullerene additives for boosting the capacity of activated carbon electrodes in supercapacitors. <b>2015</b> , 5, 63834-63838	9
1067	Controlled synthesis of cobalt carbonate/graphene composites with excellent supercapacitive performance and pseudocapacitive characteristics. <b>2015</b> , 3, 17827-17836	38
1066	Nickel hydroxide-carbon nanotube nanocomposites as supercapacitor electrodes: crystallinity dependent performances. <b>2015</b> , 26, 314003	13
1065	Three-dimensional microporous polypyrrole/polysulfone composite film electrode for supercapacitance performance. <b>2015</b> , 353, 788-792	11
1064	Preparation of a manganese dioxide/carbon fiber electrode for electrosorptive removal of copper ions from water. <b>2015</b> , 446, 359-65	50
1063	Few-layered Ni(OH) <sub>2</sub> nanosheets for high-performance supercapacitors. <b>2015</b> , 295, 323-328	146
1062	Facile and scalable fabrication of three-dimensional Cu(OH) <sub>2</sub> nanoporous nanorods for solid-state supercapacitors. <b>2015</b> , 3, 17385-17391	90
1061	Lamellar-crossing-structured Ni(OH) <sub>2</sub> /CNTs/Ni(OH) <sub>2</sub> nanocomposite for electrochemical supercapacitor materials. <b>2015</b> , 646, 990-997	25
1060	Tungsten Oxide Nanofibers Self-assembled Mesoscopic Microspheres as High-performance Electrodes for Supercapacitor. <b>2015</b> , 174, 728-734	50
1059	Enhanced supercapacitor performance by fabricating hierarchical nanoporous nickel/nickel hydroxide structure. <b>2015</b> , 158, 366-369	14
1058	Preparation of highly expanded graphene with large surface area and its additional conductive effect for EDLC performance. <b>2015</b> , 26, 6945-6953	4
1057	Hybrid nickel manganese oxide nanosheet-3D metallic dendrite percolation network electrodes for high-rate electrochemical energy storage. <b>2015</b> , 7, 12452-9	29
1056	Mesoporous-assembled MnO <sub>2</sub> with large specific surface area. <b>2015</b> , 3, 14567-14572	13
1055	A facile one-pot hydrothermal synthesis of branched MnO <sub>2</sub> nanorods for supercapacitor application. <b>2015</b> , 17, 5970-5977	32
1054	Controlled synthesis of NiCo <sub>2</sub> S <sub>4</sub> nanostructured arrays on carbon fiber paper for high-performance pseudocapacitors. <b>2015</b> , 16, 71-80	292

1053	Alkylated graphene nanosheets for supercapacitor electrodes: High performance and chain length effect. <b>2015</b> , 94, 114-119	16
1052	Polyanthraquinone-based nanostructured electrode material capable of high-performance pseudocapacitive energy storage in aprotic electrolyte. <b>2015</b> , 15, 654-661	54
1051	Nanostructured conductive polymers for advanced energy storage. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 6684-96	58.5 542
1050	An assembled-nanosheets discus-like Ni(OH) <sub>2</sub> hierarchical structure as a high performance electrode material for supercapacitors. <b>2015</b> , 5, 59659-59664	6
1049	Highly active ruthenium oxide coating via ALD and electrochemical activation in supercapacitor applications. <b>2015</b> , 3, 15568-15575	88
1048	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
1047	Hydrophilic Hierarchical Nitrogen-Doped Carbon Nanocages for Ultrahigh Supercapacitive Performance. <b>2015</b> , 27, 3541-5	573
1046	Hierarchical ZnO@MnO <sub>2</sub> @PPy ternary core-shell nanorod arrays: an efficient integration of active materials for energy storage. <b>2015</b> , 5, 39864-39869	12
1045	Low cost facile synthesis of large-area cobalt hydroxide nanorods with remarkable pseudocapacitance. <b>2015</b> , 7, 9147-56	36
1044	Flexible and cross-linked N-doped carbon nanofiber network for high performance freestanding supercapacitor electrode. <b>2015</b> , 15, 66-74	309
1043	Designing Heterogeneous 1D Nanostructure Arrays Based on AAO Templates for Energy Applications. <b>2015</b> , 11, 3408-28	81
1042	Controlled synthesis of zinc cobalt sulfide nanostructures in oil phase and their potential applications in electrochemical energy storage. <b>2015</b> , 3, 11462-11470	91
1041	The growth and assembly of the multidimensional hierarchical Ni <sub>3</sub> S <sub>2</sub> for aqueous asymmetric supercapacitors. <b>2015</b> , 17, 4495-4501	40
1040	Microwave synthesis of highly oxidized and defective carbon nanotubes for enhancing the performance of supercapacitors. <b>2015</b> , 91, 103-113	29
1039	Face-to-face self-assembly graphene/MnO <sub>2</sub> nanocomposites for supercapacitor applications using electrochemically exfoliated graphene. <b>2015</b> , 167, 412-420	48
1038	Synthesis, structure and electrochemical properties of lanthanum manganese nanofibers doped with Sr and Cu. <b>2015</b> , 638, 204-213	48
1037	Fabrication of polyaniline/urchin-like mesoporous TiO <sub>2</sub> spheres nanocomposite and its application in supercapacitors. <b>2015</b> , 163, 232-237	23
1036	Synthesis and electrochemical properties of poly (2-ethynylpyridine) functionalized graphene nanosheets. <b>2015</b> , 640, 267-274	9

1035	Random shaped ZnO supported on a porous substrate as supercapacitor. <b>2015</b> , 155, 102-105	13
1034	Functionalized carbonaceous fibers for high performance flexible all-solid-state asymmetric supercapacitors. <b>2015</b> , 3, 11817-11823	118
1033	TiO <sub>2</sub> nanofibers resembling 'yellow bristle grass' in morphology by a soft chemical transformation. <b>2015</b> , 44, 9637-45	12
1032	Oxygen- and nitrogen-co-doped activated carbon from waste particleboard for potential application in high-performance capacitance. <b>2015</b> , 163, 32-40	55
1031	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
1030	A molecular hybrid polyoxometalate-organometallic moieties and its relevance to supercapacitors in physiological electrolytes. <b>2015</b> , 284, 524-535	16
1029	Stacked Bilayer Graphene and Redox-Active Interlayer for Transparent and Flexible High-Performance Supercapacitors. <b>2015</b> , 27, 3621-3627	41
1028	Carbon/carbon nanotube-supported RuO <sub>2</sub> nanoparticles with a hollow interior as excellent electrode materials for supercapacitors. <b>2015</b> , 15, 116-124	42
1027	Fabrication of hierarchical cabbage-like carbonaceous materials by one-step cobalt-assisted hydrothermal carbonization of furfural. <b>2015</b> , 210, 149-160	12
1026	Direct growth of urchin-like ZnCo <sub>2</sub> O <sub>4</sub> microspheres assembled from nanowires on nickel foam as high-performance electrodes for supercapacitors. <b>2015</b> , 169, 202-209	120
1025	Iron oxide-decorated carbon for supercapacitor anodes with ultrahigh energy density and outstanding cycling stability. <b>2015</b> , 9, 5198-207	375
1024	Ag nanocrystals anchored CeO <sub>2</sub> /graphene nanocomposite for enhanced supercapacitor applications. <b>2015</b> , 644, 534-544	67
1023	Copper salts mediated morphological transformation of Cu <sub>2</sub> O from cubes to hierarchical flower-like or microspheres and their supercapacitors performances. <b>2015</b> , 5, 9672	76
1022	Graphene based integrated tandem supercapacitors fabricated directly on separators. <b>2015</b> , 15, 1-8	26
1021	Facile Fabrication of Reduced Graphene Oxide/Polypyrrole Composite Hydrogels with Excellent Electrochemical Performance and Compression Capacity. <b>2015</b> , 3, 862-870	41
1020	One-Pot Synthesis of Tunable Crystalline Ni <sub>3</sub> S <sub>4</sub> @Amorphous MoS <sub>2</sub> Core/Shell Nanospheres for High-Performance Supercapacitors. <b>2015</b> , 11, 3694-702	218
1019	Needle-like CoO nanowires grown on carbon cloth for enhanced electrochemical properties in supercapacitors. <b>2015</b> , 5, 41627-41630	20
1018	Facile synthesis of three-dimensional structured carbon fiber-NiCo <sub>2</sub> O <sub>4</sub> -Ni(OH) <sub>2</sub> high-performance electrode for pseudocapacitors. <b>2015</b> , 5, 9277	66

1017	Copper oxide nanofilm on 3D copper foam as a novel electrode material for supercapacitors. <b>2015</b> , 119, 1451-1457	4
1016	Effect of different reduction methods on electrochemical cycling stability of reduced graphene oxide in supercapacitors. <b>2015</b> , 45, 57-65	4
1015	Electrochemical capacitance of porous reduced graphene oxide/nickel foam. <b>2015</b> , 22, 403-412	30
1014	High energy density asymmetric supercapacitors based on polyaniline nanotubes and tungsten trioxide rods. <b>2015</b> , 21, 2309-2317	16
1013	Highly Ordered Mesoporous CuCo <sub>2</sub> O <sub>4</sub> Nanowires, a Promising Solution for High-Performance Supercapacitors. <b>2015</b> , 27, 3919-3926	295
1012	Achieving battery-level energy density by constructing aqueous carbonaceous supercapacitors with hierarchical porous N-rich carbon materials. <b>2015</b> , 3, 11387-11394	115
1011	Improvement in flexibility and volumetric performance for supercapacitor application and the effect of Ni/Fe ratio on electrode behaviour. <b>2015</b> , 3, 7607-7615	24
1010	Spongy nitrogen-doped activated carbonaceous hybrid derived from biomass material/graphene oxide for supercapacitor electrodes. <b>2015</b> , 5, 40505-40513	51
1009	Hollow Co <sub>3</sub> O <sub>4</sub> microspheres with nano-sized shells: one-step large-scale synthesis, growth mechanism and supercapacitor properties. <b>2015</b> , 5, 42055-42062	14
1008	3D flower-structured graphene from CO <sub>2</sub> for supercapacitors with ultrahigh areal capacitance at high current density. <b>2015</b> , 3, 10183-10187	67
1007	In-situ synthesis of vanadium pentoxide nanofibre/exfoliated graphene nanohybrid and its supercapacitor applications. <b>2015</b> , 287, 283-290	36
1006	Radical covalent organic frameworks: a general strategy to immobilize open-accessible polyradicals for high-performance capacitive energy storage. <b>2015</b> , 54, 6814-8	283
1005	Synthesis and Capacitive Properties of Manganese Oxide Nanoparticles Dispersed on Hierarchical Porous Carbons. <b>2015</b> , 166, 107-116	33
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1003	Metal-organic frameworks and their derived nanostructures for electrochemical energy storage and conversion. <b>2015</b> , 8, 1837-1866	1246
1002	Facile synthesis of a Co <sub>3</sub> O <sub>4</sub> @carbon nanotubes/polyindole composite and its application in all-solid-state flexible supercapacitors. <b>2015</b> , 3, 13011-13015	49
1001	Construction of unique Co <sub>3</sub> O <sub>4</sub> @CoMoO <sub>4</sub> core/shell nanowire arrays on Ni foam by the action exchange method for high-performance supercapacitors. <b>2015</b> , 3, 14578-14584	71
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999	Electrochemical fabrication of Ni(OH) <sub>2</sub> /Ni 3D porous composite films as integrated capacitive electrodes. <b>2015</b> , 5, 12931-12936	54
998	Recent advancement of nanostructured carbon for energy applications. <b>2015</b> , 115, 5159-223	598
997	Synthesis of nanoporous hypercrosslinked polyaniline (HCPANI) for gas sorption and electrochemical supercapacitor applications. <b>2015</b> , 5, 45749-45754	32
996	Controllable synthesis of 3D binary nickel/cobalt hydroxide/graphene/nickel foam as a binder-free electrode for high-performance supercapacitors. <b>2015</b> , 3, 12530-12538	100
995	The surface chemical properties of multi-walled carbon nanotubes modified by thermal fluorination for electric double-layer capacitor. <b>2015</b> , 347, 250-257	36
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993	Sustainable process for all-carbon electrodes: Horticultural doping of natural-resource-derived nano-carbons for high-performance supercapacitors. <b>2015</b> , 91, 386-394	21
992	Flexible Boron-Doped Laser-Induced Graphene Microsupercapacitors. <b>2015</b> , 9, 5868-75	410
991	One dimensional nickel oxide-decorated cobalt oxide (Co <sub>3</sub> O <sub>4</sub> ) composites for high-performance supercapacitors. <b>2015</b> , 749, 89-95	19
990	Facile synthesis of reduced graphene oxide/CeO <sub>2</sub> nanocomposites and their application in supercapacitors. <b>2015</b> , 41, 8710-8716	49
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986	Synthesis, characterization and electrochemical performances of nanocrystalline FeVO <sub>4</sub> as negative and LiCoPO <sub>4</sub> as positive electrode for asymmetric supercapacitor. <b>2015</b> , 167, 97-104	30
985	Facile synthesis of flower-like CoMn <sub>2</sub> O <sub>4</sub> microspheres for electrochemical supercapacitors. <b>2015</b> , 5, 30963-30969	69
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977	Synthesis of shape-controlled NiO/graphene nanocomposites with enhanced supercapacitive properties. <b>2015</b> , 39, 4026-4034	40
976	Tubular TiC fibre nanostructures as supercapacitor electrode materials with stable cycling life and wide-temperature performance. <b>2015</b> , 8, 1559-1568	188
975	Hydrothermal Self-assembly of Manganese Dioxide/Manganese Carbonate/Reduced Graphene Oxide Aerogel for Asymmetric Supercapacitors. <b>2015</b> , 164, 154-162	99
974	Advanced solid-state asymmetric supercapacitors based on 3D graphene/MnO <sub>2</sub> and graphene/polypyrrole hybrid architectures. <b>2015</b> , 3, 12828-12835	146
973	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
972	Flexible supercapacitors based on 3D conductive network electrodes of poly(3,4-ethylenedioxythiophene)/non-woven fabric composites. <b>2015</b> , 5, 43941-43948	14
971	One-step synthesis of copper compounds on copper foil and their supercapacitive performance. <b>2015</b> , 5, 36656-36664	71
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962	Soft template mediated synthesis of BiInZnS and its efficient visible-light-driven decomposition of methylene blue. <b>2015</b> , 5, 41941-41948	7
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957	Preparation of NiCo <sub>2</sub> S <sub>4</sub> flaky arrays on Ni foam as binder-free supercapacitor electrode. <b>2015</b> , 347, 690-695	83
956	Preparation of stereoscopic snowflake-like CoO material and its supercapacitor applications. <b>2015</b> , 21, 2303-2307	9
955	Radical Covalent Organic Frameworks: A General Strategy to Immobilize Open-Accessible Polyradicals for High-Performance Capacitive Energy Storage. <b>2015</b> , 127, 6918-6922	70
954	Band edge engineering of TiO <sub>2</sub> @DNA nanohybrids and implications for capacitive energy storage devices. <b>2015</b> , 7, 10438-48	33
953	Co <sub>3</sub> O <sub>4</sub> @Reduced Graphene Oxide Nanoribbon for high performance Asymmetric Supercapacitor. <b>2015</b> , 169, 276-282	55
952	Integrating large specific surface area and high conductivity in hydrogenated NiCo <sub>2</sub> O <sub>4</sub> double-shell hollow spheres to improve supercapacitors. <b>2015</b> , 7, e165-e165	156
951	Highly Ordered Metal Oxide Nanorods inside Mesoporous Silica Supported Carbon Nanomembranes: High Performance Electrode Materials for Symmetrical Supercapacitor Devices. <b>2015</b> , 119, 8530-8536	40
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946	Graphitized hierarchical porous carbon nanospheres: simultaneous activation/graphitization and superior supercapacitance performance. <b>2015</b> , 3, 9565-9577	149



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944	Comparative Study of Potential Applications of Graphene, MoS <sub>2</sub> , and Other Two-Dimensional Materials in Energy Devices, Sensors, and Related Areas. <b>2015</b> , 7, 7809-32	311
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919	Electrosynthesis and characterization of stable radical-functionalized oligo/polythiophenes. <b>2015</b> , 39, 7738-7741	10
918	Toward Low-Cost Grid Scale Energy Storage: Supercapacitors Based on Up-Cycled Industrial Mill Scale Waste. <b>2015</b> , 3, 2831-2838	19
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