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## Advanced Asymmetric Supercapacitors Based on Ni(OH)<sub>2</sub>/Graphene and Porous Graphene Electrodes with High Energy Density

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#	Paper	IF	Citations
1762	Large-scale synthesis of porous Ni <sub>2</sub> P nanosheets for lithium secondary batteries. <b>2012</b> , 14, 8633		44
1761	Block copolymer assisted synthesis of porous Ni(OH) <sub>2</sub> microflowers with high surface areas as electrochemical pseudocapacitor materials. <b>2012</b> , 48, 9150-2		119
1760	Graphene-based electrodes. <b>2012</b> , 24, 5979-6004		756
1759	Homogeneous growth of nano-sized Ni(OH) <sub>2</sub> on reduced graphene oxide for high-performance supercapacitors. <b>2012</b> , 81, 321-329		89
1758	Facile approach to synthesize Ni(OH) <sub>2</sub> nanoflakes on MWCNTs for high performance electrochemical supercapacitors. <b>2012</b> , 85, 243-247		38
1757	Preparation, characterization, and electrochemical performances of graphene/Ni(OH) <sub>2</sub> hybrid nanomaterials. <b>2013</b> , 15, 1		6
1756	High energy density asymmetric supercapacitors with a nickel oxide nanoflake cathode and a 3D reduced graphene oxide anode. <b>2013</b> , 5, 7984-90		223
1755	Simple synthesis of amorphous NiWO <sub>4</sub> nanostructure and its application as a novel cathode material for asymmetric supercapacitors. <b>2013</b> , 5, 8044-52		232
1754	Nanoforest of hierarchical Co <sub>3</sub> O <sub>4</sub> @NiCo <sub>2</sub> O <sub>4</sub> nanowire arrays for high-performance supercapacitors. <b>2013</b> , 2, 586-594		254
1753	Synthesis, characterization and electrochemical performance of graphene decorated with 1D NiMoO <sub>4</sub> · nH <sub>2</sub> O nanorods. <b>2013</b> , 5, 10428-37		196
1752	Facile one-step hydrothermal synthesis of reduced graphene oxide/Co <sub>3</sub> O <sub>4</sub> composites for supercapacitors. <b>2013</b> , 48, 8463-8470		56
1751	Ni(OH) <sub>2</sub> /CoO/reduced graphene oxide composites with excellent electrochemical properties. <b>2013</b> , 1, 478-481		66
1750	High-performance asymmetric supercapacitor based on nanoarchitected polyaniline/graphene/carbon nanotube and activated graphene electrodes. <b>2013</b> , 5, 8467-76		217
1749	A One-Step and Binder-Free Method to Fabricate Hierarchical Nickel-Based Supercapacitor Electrodes with Excellent Performance. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 3675-3681	15.6	136
1748	Improving the performance of cobalt/nickel hydroxide-based self-supporting electrodes for supercapacitors using accumulative approaches. <b>2013</b> , 6, 3314		203
1747	Synthesis and characterization of mesoporous spinel NiCo <sub>2</sub> O <sub>4</sub> using surfactant-assembled dispersion for asymmetric supercapacitors. <b>2013</b> , 242, 662-671		128
1746	Room-Temperature Chemical Transformation Route to CuO Nanowires toward High-Performance Electrode Materials. <b>2013</b> , 117, 22576-22583		85

1745	Controlling the formation of rodlike V <sub>2</sub> O <sub>5</sub> nanocrystals on reduced graphene oxide for high-performance supercapacitors. <b>2013</b> , 5, 11462-70	154
1744	Supercapacitors based on graphene-supported iron nanosheets as negative electrode materials. <b>2013</b> , 7, 11325-32	160
1743	Microwave-incorporated hydrothermal synthesis of urchin-like Ni(OH) <sub>2</sub> /Co(OH) <sub>2</sub> hollow microspheres and their supercapacitor applications. <b>2013</b> , 114, 76-82	66
1742	Controllable synthesis of 3D NiCo <sub>2</sub> O <sub>4</sub> oxides with different morphologies for high-capacity supercapacitors. <b>2013</b> , 1, 13290	101
1741	Interconnected porous and nitrogen-doped carbon network for supercapacitors with high rate capability and energy density. <b>2013</b> , 114, 165-172	33
1740	Facile synthesis and superior supercapacitor performances of Ni <sub>2</sub> P/rGO nanoparticles. <b>2013</b> , 3, 4628	128
1739	Graphene for supercapacitor applications. <b>2013</b> , 1, 14814	348
1738	Water-soluble inorganic salts with ultrahigh specific capacitance: crystallization transformation investigation of CuCl <sub>2</sub> electrodes. <b>2013</b> , 15, 10367	65
1737	Electrochemical Fabrication of Coaxial Wavy-Channel Ni <sub>3</sub> SiO(OH)/Ni Nanocomposites for High-Performance Supercapacitor Electrode Materials. <b>2013</b> , 1, 478-483	5
1736	Carbon-coated mesoporous NiO nanoparticles as an electrode material for high performance electrochemical capacitors. <b>2013</b> , 37, 4031	39
1735	Embedding Co <sub>3</sub> O <sub>4</sub> nanoparticles in SBA-15 supported carbon nanomembrane for advanced supercapacitor materials. <b>2013</b> , 1, 3171	60
1734	Facile and rapid synthesis of highly crumpled graphene sheets as high-performance electrodes for supercapacitors. <b>2013</b> , 3, 2566	45
1733	Enhanced capacitive behavior of carbon aerogels/reduced graphene oxide composite film for supercapacitors. <b>2013</b> , 247-248, 66-70	8
1732	Fabrication and characterization of a nanoporous NiO film with high specific energy and power via an electrochemical dealloying approach. <b>2013</b> , 48, 3829-3833	23
1731	A facile approach to synthesis coral-like nanoporous Ni(OH) <sub>2</sub> and its supercapacitor application. <b>2013</b> , 243, 721-727	42
1730	Comparison of the electrochemical performance of NiMoO <sub>4</sub> nanorods and hierarchical nanospheres for supercapacitor applications. <b>2013</b> , 5, 12905-10	227
1729	Asymmetric Supercapacitors Based on Graphene/MnO <sub>2</sub> Nanospheres and Graphene/MoO <sub>3</sub> Nanosheets with High Energy Density. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5074-5083	15.6 551
1728	One-pot synthesis and electrochemical properties of nitrogen-doped graphene decorated with M(OH) <sub>x</sub> (M = FeO, Ni, Co) nanoparticles. <b>2013</b> , 113, 117-126	43

1727	Two-dimensional mesoporous carbon sheet-like framework material for high-rate supercapacitors. <b>2013</b> , 60, 481-487	176
1726	Pseudocapacitive properties of cobalt hydroxide electrodeposited on Ni-foam-supported carbon nanomaterial. <b>2013</b> , 48, 3189-3195	27
1725	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
1724	One-pot self-assembled three-dimensional TiO <sub>2</sub> -graphene hydrogel with improved adsorption capacities and photocatalytic and electrochemical activities. <b>2013</b> , 5, 2227-33	355
1723	Enhanced energy density of asymmetric supercapacitors via optimizing negative electrode material and mass ratio of negative/positive electrodes. <b>2013</b> , 17, 1701-1710	28
1722	Graphene oxide-dispersed pristine CNTs support for MnO <sub>2</sub> nanorods as high performance supercapacitor electrodes. <b>2013</b> , 6, 474-80	76
1721	Layer-by-layer Ni(OH) <sub>2</sub> /graphene nanohybrids for ultraflexible all-solid-state thin-film supercapacitors with high electrochemical performance. <b>2013</b> , 2, 65-74	246
1720	Synthesis of ultrathin nitrogen-doped graphitic carbon nanocages as advanced electrode materials for supercapacitor. <b>2013</b> , 5, 2241-8	282
1719	Highly atom-economic synthesis of graphene/MnO <sub>2</sub> hybrid composites for electrochemical supercapacitors. <b>2013</b> , 5, 2999-3005	115
1718	Nanoporous carbon-based electrode materials for supercapacitors. <b>2013</b> , 251, 59-61	13
1717	Graphene-based electrodes for electrochemical energy storage. <b>2013</b> , 6, 1388	631
1716	One-pot hydrothermal synthesis of reduced graphene oxide/carbon nanotube/Ni(OH) <sub>2</sub> composites for high performance electrochemical supercapacitor. <b>2013</b> , 243, 555-561	182
1715	Facile fabrication of nanoparticles confined in graphene films and their electrochemical properties. <b>2013</b> , 19, 7631-6	19
1714	High energy density asymmetric quasi-solid-state supercapacitor based on porous vanadium nitride nanowire anode. <b>2013</b> , 13, 2628-33	622
1713	Amorphous nickel hydroxide nanospheres with ultrahigh capacitance and energy density as electrochemical pseudocapacitor materials. <b>2013</b> , 4, 1894	921
1712	Amorphous nickel hydroxide nanospheres by a green electrochemistry technique: structure, morphology and magnetism. <b>2013</b> , 15, 4054	16
1711	Carbonaceous electrode materials for supercapacitors. <b>2013</b> , 25, 3899-904	513
1710	Hierarchical porous nickel oxide/carbon nanotubes as advanced pseudocapacitor materials for supercapacitors. <b>2013</b> , 561-562, 68-73	35

1709	Facile synthesis of NiMoO <sub>4</sub> ·xH <sub>2</sub> O nanorods as a positive electrode material for supercapacitors. <b>2013</b> , 3, 6472	115
1708	Flexible asymmetric supercapacitors based upon Co <sub>9</sub> S <sub>8</sub> nanorod//Co <sub>3</sub> O <sub>4</sub> @RuO <sub>2</sub> nanosheet arrays on carbon cloth. <b>2013</b> , 7, 5453-62	560
1707	Mesoporous Ni(OH) <sub>2</sub> tubes on carbon fiber paper for pseudocapacitor electrode. <b>2013</b> , 105, 28-31	19
1706	Morphology controlled high performance supercapacitor behaviour of the NiCo binary hydroxide system. <b>2013</b> , 238, 150-156	148
1705	One step hydrothermal synthesis of micro-belts like Ni(OH) <sub>2</sub> thin films for supercapacitors. <b>2013</b> , 39, 7255-7261	34
1704	Effect of Al-doped Ni(OH) <sub>2</sub> nanosheets on electrochemical behaviors for high performance supercapacitor application. <b>2013</b> , 232, 370-375	133
1703	Nanoporous Ni(OH) <sub>2</sub> thin film on 3D Ultrathin-graphite foam for asymmetric supercapacitor. <b>2013</b> , 7, 6237-43	925
1702	Synthesis, Properties and Potential Applications of Porous Graphene: A Review. <b>2013</b> , 5, 260-273	74
1701	H-TiO <sub>2</sub> @MnO <sub>2</sub> //H-TiO <sub>2</sub> @C core-shell nanowires for high performance and flexible asymmetric supercapacitors. <b>2013</b> , 25, 267-72	828
1700	Polyol-mediated synthesis of mesoporous Ni(OH) <sub>2</sub> with enhanced supercapacitance. <b>2013</b> , 5, 6643-8	121
1699	Evidence for oxygen reduction reaction activity of a Ni(OH) <sub>2</sub> /graphene oxide catalyst. <b>2013</b> , 1, 15501	34
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1697	Prevention of Graphene Restacking for Performance Boost of Supercapacitors A Review. <b>2013</b> , 3, 163-190	78
1696	Ultrahigh Energy Density Realized by a Single-Layer NiCo(OH) <sub>2</sub> All-Solid-State Asymmetric Supercapacitor. <b>2014</b> , 126, 13003-13007	30
1695	NiO/nanoporous graphene composites with excellent supercapacitive performance produced by atomic layer deposition. <b>2014</b> , 25, 504001	40
1694	ZrO <sub>2</sub> -SiO <sub>2</sub> nanosheets with ultrasmall WO <sub>3</sub> nanoparticles and their enhanced pseudocapacitance and stability. <b>2014</b> , 6, 20171-8	14
1693	Seurchin-like hierarchical NiCo <sub>2</sub> O <sub>4</sub> @NiMoO <sub>4</sub> core-shell nanomaterials for high performance supercapacitors. <b>2014</b> , 16, 23451-60	86
1692	Synthesis, characterization and improvement of NiCo(OH) <sub>2</sub> for supercapacitor applications. <b>2014</b> ,	

1691	Nickel sulfide/graphene/carbon nanotube composites as electrode material for the supercapacitor application in the sea flashing signal system. <b>2014</b> , 13, 462-466	17
1690	Hydrogen ion supercapacitor: a new hybrid configuration of highly dispersed MnO <sub>2</sub> in porous carbon coupled with nitrogen-doped highly ordered mesoporous carbon with enhanced H-insertion. <b>2014</b> , 6, 22687-94	19
1689	Transition metal oxides/hydroxides nanoarrays for aqueous electrochemical energy storage systems. <b>2014</b> , 57, 59-69	40
1688	Solution growth of NiO nanosheets supported on Ni foam as high-performance electrodes for supercapacitors. <b>2014</b> , 9, 424	81
1687	Hierarchical regrowth of flowerlike nanographene sheets on oxygen-plasma-treated carbon nanowalls. <b>2014</b> , 7, 046201	4
1686	Microporous Ni <sub>2</sub> (HPO <sub>4</sub> ) <sub>2</sub> (OH) <sub>2</sub> nanocrystals for high-performance flexible asymmetric all solid-state supercapacitors. <b>2014</b> , 43, 17000-5	35
1685	Nickel/Cobalt Layered Double Hydroxide Nanosheets for High-performance Supercapacitor Electrode Materials. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 934-942	15.6 1059
1684	Effects of single electrodes of Ni(OH) <sub>2</sub> and activated carbon on electrochemical performance of Ni(OH) <sub>2</sub> /activated carbon asymmetric supercapacitor. <b>2014</b> , 143, 1164-1170	17
1683	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
1682	Electrolyte and composition effects on the performances of asymmetric supercapacitors constructed with Mn <sub>3</sub> O <sub>4</sub> nanoparticles/graphene nanocomposites. <b>2014</b> , 246, 926-933	92
1681	Mesoporous polyaniline film on ultra-thin graphene sheets for high performance supercapacitors. <b>2014</b> , 247, 197-203	118
1680	Size-dependent work function and catalytic performance of gold nanoparticles decorated graphene oxide sheets. <b>2014</b> , 469, 159-164	82
1679	Composites of olive-like manganese oxalate on graphene sheets for supercapacitor electrodes. <b>2014</b> , 20, 145-149	25
1678	Hydrothermal synthesis of a flower-like nano-nickel hydroxide for high performance supercapacitors. <b>2014</b> , 123, 158-166	83
1677	Ni(OH) <sub>2</sub> nanoflakes electrodeposited on Ni foam-supported vertically oriented graphene nanosheets for application in asymmetric supercapacitors. <b>2014</b> , 52, 89-95	75
1676	Heterostructured Ni(OH) <sub>2</sub> /Co(OH) <sub>2</sub> composites on 3D ordered Ni/Co nanoparticles fabricated on microchannel plates for advanced miniature supercapacitor. <b>2014</b> , 589, 364-371	32
1675	Asymmetric supercapacitors based on Ni(OH) <sub>2</sub> nanosheets and activated carbon with high energy density. <b>2014</b> , 246, 371-376	230
1674	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

1673	Hydrothermal synthesis of carbon- and reduced graphene oxide-supported CoMoO <sub>4</sub> nanorods for supercapacitor. <b>2014</b> , 20, 1323-1334		30
1672	Hierarchical mesoporous NiCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> core-shell nanowire arrays on nickel foam for aqueous asymmetric supercapacitors. <b>2014</b> , 2, 4795		315
1671	Fiber-based flexible all-solid-state asymmetric supercapacitors for integrated photodetecting system. <b>2014</b> , 53, 1849-53		360
1670	Facile hydrothermal synthesis of hierarchical ultrathin mesoporous NiMoO <sub>4</sub> nanosheets for high performance supercapacitors. <b>2014</b> , 115, 358-363		93
1669	Hierarchical NiMn Layered Double Hydroxide/Carbon Nanotubes Architecture with Superb Energy Density for Flexible Supercapacitors. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 2938-2946	15.6	532
1668	Flexible solid-state supercapacitors: design, fabrication and applications. <b>2014</b> , 7, 2160		985
1667	Nickel-cobalt layered double hydroxide ultrathin nanoflakes decorated on graphene sheets with a 3D nanonetwork structure as supercapacitive materials. <b>2014</b> , 51, 97-104		59
1666	Recent Advances in Design and Fabrication of Electrochemical Supercapacitors with High Energy Densities. <b>2014</b> , 4, 1300816		1364
1665	Nanosized rambutan-like nickel oxides as electrochemical sensor and pseudocapacitor. <b>2014</b> , 193, 644-652		51
1664	Facile synthesis of spike-piece-structured Ni(OH) <sub>2</sub> /interlayer nanoplates on nickel foam as advanced pseudocapacitive materials for energy storage. <b>2014</b> , 6, 5168-74		55
1663	One-pot synthesis of MnOOH nanorods on graphene for asymmetric supercapacitors. <b>2014</b> , 127, 200-207		62
1662	Two dimensional nanomaterials for flexible supercapacitors. <b>2014</b> , 43, 3303-23		827
1661	Electrodeposition of Ni(OH) <sub>2</sub> /Ni/graphene composites under supergravity field for supercapacitor application. <b>2014</b> , 122, 273-276		24
1660	Interconnected Frameworks with a Sandwiched Porous Carbon Layer/Graphene Hybrids for Supercapacitors with High Gravimetric and Volumetric Performances. <b>2014</b> , 4, 1400500		206
1659	Supercapacitors Based on Flexible Substrates: An Overview. <b>2014</b> , 2, 325-341		140
1658	Electrochemical dealloying using pulsed voltage waveforms and its application for supercapacitor electrodes. <b>2014</b> , 257, 374-379		22
1657	Microwave-assisted synthesis of metal oxide/hydroxide composite electrodes for high power supercapacitors [A review]. <b>2014</b> , 263, 338-360		314
1656	A flexible and high-voltage internal tandem supercapacitor based on graphene-based porous materials with ultrahigh energy density. <b>2014</b> , 10, 2285-92		51

1655	High-Performing Monometallic Cobalt Layered Double Hydroxide Supercapacitor with Defined Local Structure. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4831-4842	15.6	123
1654	Template-synthesis of hierarchical Ni(OH) <sub>2</sub> hollow spheres with excellent performance as supercapacitor. <b>2014</b> , 128, 136-139		19
1653	Template-assisted low temperature synthesis of functionalized graphene for ultrahigh volumetric performance supercapacitors. <b>2014</b> , 8, 4720-9		360
1652	Efficient water oxidation using nanostructured nickel-hydroxide as an electrocatalyst. <b>2014</b> , 136, 7077-84		996
1651	Hierarchical TiN@Ni(OH) <sub>2</sub> core/shell nanowire arrays for supercapacitor application. <b>2014</b> , 116, 372-378		21
1650	Water-soluble inorganic salt with ultrahigh specific capacitance: Ce(NO <sub>3</sub> ) <sub>3</sub> can be designed as excellent pseudocapacitor electrode. <b>2014</b> , 416, 172-6		48
1649	Design of advanced porous graphene materials: from graphene nanomesh to 3D architectures. <b>2014</b> , 6, 1922-45		548
1648	Amorphous cobalt hydroxide with superior pseudocapacitive performance. <b>2014</b> , 6, 745-9		135
1647	One-pot hydrothermal synthesis of reduced graphene oxide/Ni(OH) <sub>2</sub> films on nickel foam for high performance supercapacitors. <b>2014</b> , 115, 155-164		168
1646	Low-cost high-performance solid-state asymmetric supercapacitors based on MnO <sub>2</sub> nanowires and Fe <sub>2</sub> O <sub>3</sub> nanotubes. <b>2014</b> , 14, 731-6		916
1645	Well-coupled graphene and Pd-based bimetallic nanocrystals nanocomposites for electrocatalytic oxygen reduction reaction. <b>2014</b> , 6, 2086-94		57
1644	Ultrahigh energy density realized by a single-layer NiCo(OH) <sub>2</sub> all-solid-state asymmetric supercapacitor. <b>2014</b> , 53, 12789-93		243
1643	Nanospace-confined formation of flattened Sn sheets in pre-seeded graphenes for lithium ion batteries. <b>2014</b> , 6, 9554-8		34
1642	Preparation of porous (Ni,Co) <sub>3</sub> (BO <sub>3</sub> ) <sub>2</sub> /Ni(OH) <sub>2</sub> nanosheet networks as pseudocapacitor materials with superior performance. <b>2014</b> , 2, 5903-5909		15
1641	All-solid-state asymmetric supercapacitor based on reduced graphene oxide/carbon nanotube and carbon fiber paper/polypyrrole electrodes. <b>2014</b> , 2, 1458-1464		196
1640	CoMoO <sub>4</sub> ·0.9H <sub>2</sub> O nanorods grown on reduced graphene oxide as advanced electrochemical pseudocapacitor materials. <b>2014</b> , 4, 34307		43
1639	Design and synthesis of 3D interconnected mesoporous NiCo <sub>2</sub> O <sub>4</sub> @Co <sub>x</sub> Ni <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
1638	Low-temperature solution-processable Ni(OH) <sub>2</sub> ultrathin nanosheet/N-graphene nanohybrids for high-performance supercapacitor electrodes. <b>2014</b> , 6, 5960-6		41



1637	3D binder-free Cu <sub>2</sub> O@Cu nanoneedle arrays for high-performance asymmetric supercapacitors. <b>2014</b> , 2, 18229-18235	152
1636	Asymmetric supercapacitors based on nano-architected nickel oxide/graphene foam and hierarchical porous nitrogen-doped carbon nanotubes with ultrahigh-rate performance. <b>2014</b> , 2, 3223-3230	207
1635	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
1634	Facile hydrothermal selective fabrication of Ni(OH) <sub>2</sub> and Ni(HCO <sub>3</sub> ) <sub>2</sub> nanoparticulates and their electrochemical performances. <b>2014</b> , 4, 49303-49307	30
1633	Activated Carbon Spheres as a Flowable Electrode in Electrochemical Flow Capacitors. <b>2014</b> , 161, A1078-A1083	8
1632	Nitrogen-Doped Carbon Networks for High Energy Density Supercapacitors Derived from Polyaniline Coated Bacterial Cellulose. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 3953-3961	15.6 313
1631	Unique Ni@NiOcore-shell/AC composite for supercapacitor electrodes. <b>2014</b> , 144, 300-306	13
1630	Interface chemistry engineering in electrode systems for electrochemical energy storage. <b>2014</b> , 4, 37491-37502	7
1629	Self-powered electrochemical deposition of Cu@Ni(OH) <sub>2</sub> nanobelts for high performance pseudocapacitors. <b>2014</b> , 2, 10370-10374	19
1628	Coprecipitation fabrication and electrochemical performances of coral-like mesoporous NiO nanobars. <b>2014</b> , 2, 4690-4697	36
1627	Three-dimensional multilevel porous thin graphite nanosuperstructures for Ni(OH) <sub>2</sub> -based energy storage devices. <b>2014</b> , 2, 15768-15773	35
1626	Alkaline quaternary ammonium hydroxides and their polymer electrolytes for electrochemical capacitors. <b>2014</b> , 4, 21332-21339	44
1625	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
1624	SWCNT/BiVO <sub>4</sub> composites as anode materials for supercapacitor application. <b>2014</b> , 4, 17378-17381	55
1623	An amorphous nickel-cobalt-boron alloy as advanced pseudocapacitor material. <b>2014</b> , 38, 4666-4669	14
1622	Construction of 3D V <sub>2</sub> O <sub>5</sub> /hydrogenated-WO <sub>3</sub> nanotrees on tungsten foil for high-performance pseudocapacitors. <b>2014</b> , 16, 12214-20	35
1621	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
1620	Graphene fiber-based asymmetric micro-supercapacitors. <b>2014</b> , 2, 9736-9743	156

1619	A hollow titanium oxynitride nanorod array as an electrode substrate prepared by the hot ammonia-induced Kirkendall effect. <b>2014</b> , 2, 10568	27
1618	Metal oxide/hydroxide-based materials for supercapacitors. <b>2014</b> , 4, 41910-41921	235
1617	High performance supercapacitor based on Ni <sub>3</sub> S <sub>2</sub> /carbon nanofibers and carbon nanofibers electrodes derived from bacterial cellulose. <b>2014</b> , 272, 137-143	120
1616	Nanoarchitected graphene-based supercapacitors for next-generation energy-storage applications. <b>2014</b> , 20, 13838-52	245
1615	Graphene/NiO nanowires: controllable one-pot synthesis and enhanced pseudocapacitive behavior. <b>2014</b> , 6, 8246-56	94
1614	Hierarchical NiCo <sub>2</sub> O <sub>4</sub> nanosheets@hollow microrod arrays for high-performance asymmetric supercapacitors. <b>2014</b> , 2, 4706-4713	415
1613	Nanowire electrodes for electrochemical energy storage devices. <b>2014</b> , 114, 11828-62	552
1612	Facile Synthesis of MnO <sub>2</sub> /CNTs Composite for Supercapacitor Electrodes with Long Cycle Stability. <b>2014</b> , 118, 22865-22872	297
1611	Polypyrrole/carbon nanotube composites as cathode material for performance enhancing of capacitive deionization technology. <b>2014</b> , 354, 62-67	39
1610	How the electrochemical reversibility of a battery-type material affects the charge balance and performances of asymmetric supercapacitors. <b>2014</b> , 146, 759-768	38
1609	Performance evaluation of Asymmetric Supercapacitor based on Cobalt manganite modified graphene nanoribbons. <b>2014</b> , 146, 429-436	67
1608	Nitrogen-doped reduced graphene oxide-Ni(OH) <sub>2</sub> -built 3D flower composite with easy hydrothermal process and excellent electrochemical performance. <b>2014</b> , 138, 69-78	39
1607	Microwave synthesis of titania-coated carbon nanotube composites for electrochemical capacitors. <b>2014</b> , 269, 526-533	27
1606	Preparation of scale-like nickel cobaltite nanosheets assembled on nitrogen-doped reduced graphene oxide for high-performance supercapacitors. <b>2014</b> , 80, 222-228	55
1605	A facile one-step route to RGO/Ni <sub>3</sub> S <sub>2</sub> for high-performance supercapacitors. <b>2014</b> , 144, 100-110	62
1604	NiOx nanoparticles supported on polyethylenimine functionalized CNTs as efficient electrocatalysts for supercapacitor and oxygen evolution reaction. <b>2014</b> , 39, 20662-20670	45
1603	Superior Performance Asymmetric Supercapacitors Based on Flake-like Co/Al Hydroxalcite and Graphene. <b>2014</b> , 143, 331-339	24
1602	Self-grown oxy-hydroxide@ nanoporous metal electrode for high-performance supercapacitors. <b>2014</b> , 26, 269-72	143

1601	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
1600	3D carbon/cobalt-nickel mixed-oxide hybrid nanostructured arrays for asymmetric supercapacitors. <b>2014</b> , 10, 2937-45	126
1599	Controlled functionalization of carbonaceous fibers for asymmetric solid-state micro-supercapacitors with high volumetric energy density. <b>2014</b> , 26, 6790-7	217
1598	Layered inorganic-organic hybrid material based on reduced graphene oxide and Ni(OH) <sub>2</sub> for high performance supercapacitor electrodes. <b>2014</b> , 2, 17848-17856	53
1597	Flexible Solid-State Supercapacitor Based on Graphene-based Hybrid Films. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 7495-7502	15.6 133
1596	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
1595	One-step electrodeposited nickel cobalt sulfide nanosheet arrays for high-performance asymmetric supercapacitors. <b>2014</b> , 8, 9531-41	599
1594	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
1593	3D ordered nanoporous NiMoO <sub>4</sub> for high-performance supercapacitor electrode materials. <b>2014</b> , 4, 52555-52563	3
1592	Anodization driven synthesis of nickel oxalate nanostructures with excellent performance for asymmetric supercapacitors. <b>2014</b> , 2, 17307-17313	35
1591	One-step synthesis of free-standing Ni(OH) <sub>2</sub> nanosheets on reduced graphene oxide for high-performance supercapacitors. <b>2014</b> , 25, 435403	45
1590	High-performance flexible asymmetric supercapacitors based on a new graphene foam/carbon nanotube hybrid film. <b>2014</b> , 7, 3709-3719	506
1589	Graphene quantum dots-three-dimensional graphene composites for high-performance supercapacitors. <b>2014</b> , 16, 19307-13	135
1588	Direct synthesis of 3D hollow porous graphene balls from coal tar pitch for high performance supercapacitors. <b>2014</b> , 2, 19633-19640	146
1587	Ultrathin single-crystalline vanadium pentoxide nanoribbon constructed 3D networks for superior energy storage. <b>2014</b> , 2, 13136-13142	73
1586	Ni(OH) <sub>2</sub> nanosheets grown on a 3D graphene framework as an excellent cathode for flexible supercapacitors. <b>2014</b> , 4, 47609-47614	22
1585	Recent development of metal hydroxides as electrode material of electrochemical capacitors. <b>2014</b> , 4, 38893-38917	127
1584	High-performance asymmetric supercapacitors with lithium intercalation reaction using metal oxide-based composites as electrode materials. <b>2014</b> , 2, 16678-16686	91

1583	Ultra-high specific capacitance of $\text{Ni}(\text{OH})_2$ monolayer nanosheets synthesized by an exfoliation-free sol-gel route. <b>2014</b> , 16, 1	22
1582	Nitrogen-doped sandwich-like porous carbon nanosheets for high volumetric performance supercapacitors. <b>2014</b> , 146, 548-555	55
1581	Controllable functionalized carbon fabric for high-performance all-carbon-based supercapacitors. <b>2014</b> , 4, 33022	33
1580	Temperature effect on the binder-free nickel copper oxide nanowires with superior supercapacitor performance. <b>2014</b> , 6, 12981-9	31
1579	DNA-assisted assembly of carbon nanotubes and $\text{MnO}_2$ nanospheres as electrodes for high-performance asymmetric supercapacitors. <b>2014</b> , 16, 4672-8	51
1578	Nanohybrids from $\text{NiCoAl-LDH}$ coupled with carbon for pseudocapacitors: understanding the role of nano-structured carbon. <b>2014</b> , 6, 3097-104	156
1577	$\text{Bi}_2\text{O}_3$ with activated carbon composite as a supercapacitor electrode. <b>2014</b> , 615, 12-17	85
1576	An asymmetric supercapacitor with highly dispersed nano- $\text{Bi}_2\text{O}_3$ and active carbon electrodes. <b>2014</b> , 269, 129-135	60
1575	Facile construction of ultrathin standing $\text{Ni}(\text{OH})_2$ nanosheets on halloysite nanotubes and their enhanced electrochemical capacitance. <b>2014</b> , 2, 11299-11304	44
1574	In situ grafted carbon on sawtooth-like $\text{SiC}$ supported Ni for high-performance supercapacitor electrodes. <b>2014</b> , 50, 228-30	11
1573	Hybrid device employing three-dimensional arrays of $\text{MnO}$ in carbon nanosheets bridges battery-supercapacitor divide. <b>2014</b> , 14, 1987-94	249
1572	Bath temperature impact on morphological evolution of $\text{Ni}(\text{OH})_2$ thin films and their supercapacitive behaviour. <b>2014</b> , 37, 27-33	15
1571	A $\text{NiAl}$ layered double hydroxide@carbon nanoparticles hybrid electrode for high-performance asymmetric supercapacitors. <b>2014</b> , 2, 1682-1685	78
1570	One-step synthesis of $\text{CoNi}_2\text{S}_4$ nanoparticles for supercapacitor electrodes. <b>2014</b> , 4, 6998	113
1569	High-Voltage Asymmetric Supercapacitors based on Carbon and Manganese Oxide/Oxidized Carbon Nanofiber Composite Electrodes. <b>2014</b> , 2, 819-824	26
1568	Low-cost and high energy density asymmetric supercapacitors based on polyaniline nanotubes and $\text{MoO}_3$ nanobelts. <b>2014</b> , 2, 10384-10388	94
1567	Novel Ultrathin Nanoflake Assembled Porous $\text{MnO}_2$ /Carbon Strip Microspheres for Superior Pseudocapacitors. <b>2014</b> , 2, 2191-2197	15
1566	Hierarchical nanostructures of polypyrrole@ $\text{MnO}_2$ composite electrodes for high performance solid-state asymmetric supercapacitors. <b>2014</b> , 6, 2922-8	90

1565	Two-dimensional tin selenide nanostructures for flexible all-solid-state supercapacitors. <b>2014</b> , 8, 3761-70	271
1564	Graphene nanomesh: new versatile materials. <b>2014</b> , 6, 13301-13	82
1563	Controlled Growth of CoS <sub>x</sub> Nanostrip Arrays (CoS <sub>x</sub> -NSA) on Nickel Foam for Asymmetric Supercapacitors. <b>2014</b> , 2, 401-408	66
1562	Series asymmetric supercapacitors based on free-standing inner-connection electrodes for high energy density and high output voltage. <b>2014</b> , 6, 15073-9	32
1561	Great improvement in pseudocapacitor properties of nickel hydroxide via simple gold deposition. <b>2014</b> , 6, 11646-52	52
1560	3D Architecture Materials Made of NiCoAl-LDH Nanoplates Coupled with NiCo-Carbonate Hydroxide Nanowires Grown on Flexible Graphite Paper for Asymmetric Supercapacitors. <b>2014</b> , 4, 1400761	220
1559	Three-dimensional Co <sub>3</sub> O <sub>4</sub> @NiMoO <sub>4</sub> core/shell nanowire arrays on Ni foam for electrochemical energy storage. <b>2014</b> , 6, 5050-5	175
1558	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
1557	Facile synthesis and advanced performance of Ni(OH) <sub>2</sub> /CNTs nanoflake composites on supercapacitor applications. <b>2014</b> , 601, 168-173	44
1556	One-dimensional heterostructures of beta-nickel hydroxide nanoplates/electrospun carbon nanofibers: Controlled fabrication and high capacitive property. <b>2014</b> , 39, 16162-16170	14
1555	A 3D hierarchical porous Ni(OH) <sub>2</sub> /graphite nanosheet composite as an electrode material for supercapacitors. <b>2014</b> , 2, 1524-1529	96
1554	Three-dimensional multichannel aerogel of carbon quantum dots for high-performance supercapacitors. <b>2014</b> , 25, 235401	59
1553	Flexible and Wire-Shaped Micro-Supercapacitor Based on Ni(OH) <sub>2</sub> -Nanowire and Ordered Mesoporous Carbon Electrodes. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 3405-3412	15.6 277
1552	High performance flexible solid-state asymmetric supercapacitors from MnO <sub>2</sub> /ZnO core-shell nanorods//specially reduced graphene oxide. <b>2014</b> , 2, 1331-1336	241
1551	Self-standing rationally functionalized graphene as high-performance electrode materials for supercapacitors. <b>2014</b> , 23, 346-353	14
1550	Growth of nickel (111) plane: The key role in nickel for further improving the electrochemical property of hexagonal nickel hydroxide-nickel & reduced graphene oxide composite. <b>2014</b> , 267, 356-365	39
1549	Al and Co co-doped Ni(OH) <sub>2</sub> /graphene hybrid materials with high electrochemical performances for supercapacitors. <b>2014</b> , 137, 352-358	60
1548	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

1547	Asymmetric supercapacitor based on graphene oxide/polypyrrole composite and activated carbon electrodes. <b>2014</b> , 137, 26-33	164
1546	Recent progress in nickel based materials for high performance pseudocapacitor electrodes. <b>2014</b> , 267, 430-444	147
1545	Hydrothermal synthesis of $\text{Ni(OH)}_2$ and its conversion to NiO with electrochemical properties. <b>2014</b> , 582, 328-333	25
1544	Fiber-Based Flexible All-Solid-State Asymmetric Supercapacitors for Integrated Photodetecting System. <b>2014</b> , 126, 1880-1884	112
1543	Towards unlocking high-performance of supercapacitors: From layered transition-metal hydroxide electrode to redox electrolyte. <b>2015</b> , 58, 1779-1798	18
1542	Electronic double layer supercapacitor based on three-dimensional silicon microchannel plates in organic electrolyte. <b>2015</b> , 19, 303-309	4
1541	Highly-Dispersed Ni-QDs/Mesoporous Carbon Nanoplates: A Universal and Commercially Applicable Approach Based on Corn Straw Piths and High Capacitive Performances. <b>2015</b> , 2, 1897-1902	15
1540	Ice-templated Self-assembly of $\text{VOPO}_4$ -Graphene Nanocomposites for Vertically Porous 3D Supercapacitor Electrodes. <b>2015</b> , 5, 13696	53
1539	Significant Performance Enhancement in Asymmetric Supercapacitors based on Metal Oxides, Carbon nanotubes and Neutral Aqueous Electrolyte. <b>2015</b> , 5, 15551	95
1538	Carbon-Based Materials for Lithium-Ion Batteries, Electrochemical Capacitors, and Their Hybrid Devices. <b>2015</b> , 8, 2284-311	181
1537	Flexible Asymmetric Supercapacitor Based on Structure-Optimized $\text{Mn}_3\text{O}_4$ /Reduced Graphene Oxide Nanohybrid Paper with High Energy and Power Density. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 7291-7299	15.6 137
1536	All Metal Nitrides Solid-State Asymmetric Supercapacitors. <b>2015</b> , 27, 4566-71	313
1535	Three-Dimensional $\text{NiMoO}_4$ 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
1534	Extraordinary Supercapacitor Performance of a Multicomponent and Mixed-Valence Oxyhydroxide. <b>2015</b> , 127, 8218-8222	13
1533	Nanoflake-Modulated La Se Thin Films Prepared for an Asymmetric Supercapacitor Device. <b>2015</b> , 80, 1478-1487	27
1532	Self-Assembled 3D Graphene-Based Aerogel with $\text{Co}_3\text{O}_4$ Nanoparticles as High-Performance Asymmetric Supercapacitor Electrode. <b>2015</b> , 8, 2917-26	110
1531	A Flexible Quasi-Solid-State Asymmetric Electrochemical Capacitor Based on Hierarchical Porous $\text{V}_2\text{O}_5$ Nanosheets on Carbon Nanofibers. <b>2015</b> , 5, 1500753	178
1530	Extraordinary Supercapacitor Performance of a Multicomponent and Mixed-Valence Oxyhydroxide. <b>2015</b> , 54, 8100-4	39

1529	A Facile Route to Metal Oxides/Single-Walled Carbon Nanotube Macrofilm Nanocomposites for Energy Storage. <b>2015</b> , 2,	7
1528	Cauliflower-Like Co <sub>3</sub> O <sub>4</sub> /Three-Dimensional Graphene Composite for High Performance Supercapacitor Applications. <b>2015</b> , 2015, 1-9	5
1527	Asymmetric supercapacitors based on the in situ-grown mesoporous nickel oxide and activated carbon. <b>2015</b> , 19, 2391-2398	10
1526	Hydrothermal synthesis of Ni(OH) <sub>2</sub> nanoflakes on 3D graphene foam for high-performance supercapacitors. <b>2015</b> , 173, 399-407	65
1525	Ionic Liquid Electrolytes with Various Constituent Ions for Graphene-based Supercapacitors. <b>2015</b> , 161, 371-377	56
1524	Growth of carbon composites by grafting on pregrown vertically aligned single-walled carbon nanotube arrays and their use in high power supercapacitors. <b>2015</b> , 5, 45484-45491	4
1523	Synergistic Effect between Ultra-Small Nickel Hydroxide Nanoparticles and Reduced Graphene Oxide sheets for the Application in High-Performance Asymmetric Supercapacitor. <b>2015</b> , 5, 11095	99
1522	High Energy Density Asymmetric Supercapacitors From Mesoporous NiCo <sub>2</sub> S <sub>4</sub> Nanosheets. <b>2015</b> , 174, 238-245	211
1521	Facile synthesis of amorphous Ni(OH) <sub>2</sub> for high-performance supercapacitors via electrochemical assembly in a reverse micelle. <b>2015</b> , 174, 273-281	33
1520	Three-dimensional rose-like [Ni(OH) <sub>2</sub> ] assembled from nanosheet building blocks for non-enzymatic glucose detection. <b>2015</b> , 880, 42-51	56
1519	NiMoO <sub>4</sub> -modified MnO <sub>2</sub> hybrid nanostructures on nickel foam: electrochemical performance and supercapacitor applications. <b>2015</b> , 39, 6207-6215	25
1518	In Situ Electrochemical Synthesis and Deposition of Discotic Hexa-peri-hexabenzocoronene Molecules on Electrodes: Self-Assembled Structure, Redox Properties, and Application for Supercapacitor. <b>2015</b> , 11, 3028-34	21
1517	Band Gap Engineering of Boron Nitride by Graphene and Its Application as Positive Electrode Material in Asymmetric Supercapacitor Device. <b>2015</b> , 7, 14211-22	100
1516	Comprehending the effect of M <sub>2</sub> MoO <sub>4</sub> (M = Co, Ni) nanoflakes on improving the electrochemical performance of NiO electrodes. <b>2015</b> , 44, 21131-40	8
1515	Graphene/CuS/ZnO hybrid nanocomposites for high performance photocatalytic applications. <b>2015</b> , 167, 258-264	13
1514	Densely stacked bubble-pillared graphene blocks for high volumetric performance supercapacitors. <b>2015</b> , 1, 42-50	33
1513	Synthesis and characterization of porous cobalt oxide/copper oxide nanoplate as novel electrode material for supercapacitors. <b>2015</b> , 25, 4054-4062	14
1512	N-Doped carbon coated hollow Ni <sub>x</sub> Co <sub>(9-x)</sub> S <sub>8</sub> urchins for a high performance supercapacitor. <b>2015</b> , 7, 3155-63	95

1511	N-doped carbon foam based three-dimensional electrode architectures and asymmetric supercapacitors. <b>2015</b> , 3, 2853-2860	66
1510	Inkjet printing of conductive patterns and supercapacitors using a multi-walled carbon nanotube/Ag nanoparticle based ink. <b>2015</b> , 3, 2407-2413	108
1509	Robust electrodes based on coaxial TiC/C-MnO <sub>2</sub> core/shell nanofiber arrays with excellent cycling stability for high-performance supercapacitors. <b>2015</b> , 11, 1847-56	15
1508	Preparation and electrochemical evaluation of manganese ferrite spheres as anode materials for half and full lithium-ion batteries. <b>2015</b> , 627, 174-181	14
1507	Supercapacitor Electrodes Based on Three-Dimensional Copper Structures with Precisely Controlled Dimensions. <b>2015</b> , 2, 236-245	5
1506	Porous layer-stacking carbon derived from in-built template in biomass for high volumetric performance supercapacitors. <b>2015</b> , 12, 141-151	436
1505	Synthesis of Ni(OH) <sub>2</sub> /RGO pseudocomposite on nickel foam for supercapacitors with superior performance. <b>2015</b> , 3, 3641-3650	132
1504	Ultrathin Ni(OH) <sub>2</sub> nanoplates vertically grown on nickel-coated carbon nanotubes as high-performance pseudocapacitor electrode materials. <b>2015</b> , 7, 974-9	46
1503	Hierarchical polypyrrole based composites for high performance asymmetric supercapacitors. <b>2015</b> , 283, 484-493	85
1502	Electrochemical performance of an asymmetric supercapacitor based on graphene and cobalt molybdate electrodes. <b>2015</b> , 5, 16319-16327	58
1501	Ultrafast Self-Assembly of Graphene Oxide-Induced Monolithic NiCo <sub>2</sub> Carbonate Hydroxide Nanowire Architectures with a Superior Volumetric Capacitance for Supercapacitors. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2109-2116	15.6 199
1500	A novel asymmetric supercapacitor with buds-like Co(OH) <sub>2</sub> used as cathode materials and activated carbon as anode materials. <b>2015</b> , 741, 93-99	39
1499	Dual Support System Ensuring Porous CoAl Hydroxide Nanosheets with Ultrahigh Rate Performance and High Energy Density for Supercapacitors. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1648-1655	15.6 219
1498	Adjusting electrode initial potential to obtain high-performance asymmetric supercapacitor based on porous vanadium pentoxide nanotubes and activated carbon nanorods. <b>2015</b> , 279, 358-364	57
1497	High performance asymmetric supercapacitors using electrospun copper oxide nanowires anode. <b>2015</b> , 633, 22-30	71
1496	Ni@NiO core-shell nanoparticle tube arrays with enhanced supercapacitor performance. <b>2015</b> , 3, 6432-6439	68
1495	The perfect matching between the low-cost Fe <sub>2</sub> O <sub>3</sub> nanowire anode and the NiO nanoflake cathode significantly enhances the energy density of asymmetric supercapacitors. <b>2015</b> , 3, 6662-6670	108
1494	One-step hydrothermal synthesis of 3D petal-like Co <sub>9</sub> S <sub>8</sub> /RGO/Ni <sub>3</sub> S <sub>2</sub> composite on nickel foam for high-performance supercapacitors. <b>2015</b> , 7, 4861-8	193



1493	Template-free hydrothermal synthesis of nickel cobalt hydroxide nanoflowers with high performance for asymmetric supercapacitor. <b>2015</b> , 161, 279-289	118
1492	Assembly and electrochemical properties of novel alkaline rechargeable Ni/Bi battery using Ni(OH) <sub>2</sub> and (BiO) <sub>4</sub> CO <sub>3</sub> (OH) <sub>2</sub> microspheres as electrode materials. <b>2015</b> , 274, 1070-1075	37
1491	In situ synthesis of self-assembled three-dimensional graphene-magnetic palladium nano hybrids with dual-enzyme activity through one-pot strategy and its application in glucose probe. <b>2015</b> , 7, 3480-91	82
1490	Porous nickel oxide nanotube arrays supported on carbon fiber paper: synergistic effect on pseudocapacitive behavior. <b>2015</b> , 39, 1996-2003	17
1489	Solid-state, high-performance supercapacitor using graphene nanoribbons embedded with zinc manganite. <b>2015</b> , 3, 4931-4937	48
1488	Asymmetric supercapacitors based on carbon nanofibre and polypyrrole/nanocellulose composite electrodes. <b>2015</b> , 5, 16405-16413	45
1487	Nickel hydroxides and related materials: a review of their structures, synthesis and properties. <b>2015</b> , 471, 20140792	444
1486	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
1485	Ultrathin porous nickel-cobalt hydroxide nanosheets for high-performance supercapacitor electrodes. <b>2015</b> , 5, 17007-17013	54
1484	Flower-like Ni(OH) <sub>2</sub> hybridized g-C <sub>3</sub> N <sub>4</sub> for high-performance supercapacitor electrode material. <b>2015</b> , 145, 150-153	67
1483	Honeycomb-like NiMoO <sub>4</sub> ultrathin nanosheet arrays for high-performance electrochemical energy storage. <b>2015</b> , 3, 6128-6135	175
1482	Sulfur-doped porous carbon nanosheets as an advanced electrode material for supercapacitors. <b>2015</b> , 5, 13046-13051	78
1481	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
1480	Ternary Hybrids of Amorphous Nickel Hydroxide-Carbon Nanotube-Conducting Polymer for Supercapacitors with High Energy Density, Excellent Rate Capability, and Long Cycle Life. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1063-1073	15.6 264
1479	One-step synthesis of three-dimensional porous ionic liquid-carbon nanotube-graphene gel and MnO <sub>2</sub> -graphene gel as freestanding electrodes for asymmetric supercapacitors. <b>2015</b> , 5, 10178-10186	65
1478	A facile low-temperature synthesis of highly distributed and size-tunable cobalt oxide nanoparticles anchored on activated carbon for supercapacitors. <b>2015</b> , 273, 945-953	45
1477	Flexible fiber-shaped supercapacitors based on hierarchically nanostructured composite electrodes. <b>2015</b> , 8, 1148-1158	165
1476	Surface design and engineering of hierarchical hybrid nanostructures for asymmetric supercapacitors with improved electrochemical performance. <b>2015</b> , 447, 282-301	36

1475	Nanostructured pseudocapacitive materials decorated 3D graphene foam electrodes for next generation supercapacitors. <b>2015</b> , 7, 6999-7021	106
1474	Ultralight and flexible supercapacitor electrodes made from Ni(OH) <sub>2</sub> nanosheets doped with Ag nanoparticle/3D graphene composite. <b>2015</b> , 5, 20878-20883	23
1473	Non-covalently functionalizing a graphene framework by anthraquinone for high-rate electrochemical energy storage. <b>2015</b> , 5, 23942-23951	57
1472	Flexible all-solid-state asymmetric supercapacitors with three-dimensional CoSe <sub>2</sub> /carbon cloth electrodes. <b>2015</b> , 3, 7910-7918	101
1471	Improving Capacitance by Introducing Nitrogen Species and Defects into Graphene. <b>2015</b> , 2, 859-866	10
1470	Ni <sup>3+</sup> doped monolayer layered double hydroxide nanosheets as efficient electrodes for supercapacitors. <b>2015</b> , 7, 7168-73	98
1469	Graphene foam functionalized with electrodeposited nickel hydroxide for energy applications. <b>2015</b> , 57, 63-67	14
1468	Three-dimensional Co <sub>3</sub> O <sub>4</sub> @C@Ni <sub>3</sub> S <sub>2</sub> sandwich-structured nanoneedle arrays: towards high-performance flexible all-solid-state asymmetric supercapacitors. <b>2015</b> , 3, 16150-16161	155
1467	One pot synthesis of nickel foam supported self-assembly of NiWO <sub>4</sub> and CoWO <sub>4</sub> nanostructures that act as high performance electrochemical capacitor electrodes. <b>2015</b> , 3, 14272-14278	119
1466	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
1465	Rational design of polyaniline/MnO <sub>2</sub> /carbon cloth ternary hybrids as electrodes for supercapacitors. <b>2015</b> , 5, 66311-66317	31
1464	Continuous self-assembly of carbon nanotube thin films and their composites for supercapacitors. <b>2015</b> , 481, 626-632	23
1463	Effect of support on the NiMo phase and its catalytic hydrodeoxygenation of triglycerides. <b>2015</b> , 159, 430-435	44
1462	Microwave-assisted synthesis of Mn <sub>3</sub> O <sub>4</sub> nanoparticles@reduced graphene oxide nanocomposites for high performance supercapacitors. <b>2015</b> , 70, 945-950	41
1461	Co(OH) <sub>2</sub> Nanosheets Coupled With CNT Arrays Grown on Ni Mesh for High-Rate Asymmetric Supercapacitors with Excellent Capacitive Behavior. <b>2015</b> , 176, 77-85	44
1460	A novel Ni <sub>3</sub> N/graphene nanocomposite as supercapacitor electrode material with high capacitance and energy density. <b>2015</b> , 3, 16633-16641	92
1459	Adsorption and coadsorption of organic pollutants and a heavy metal by graphene oxide and reduced graphene materials. <b>2015</b> , 281, 379-388	241
1458	High-Performance Supercapacitor Electrode Materials from Cellulose-Derived Carbon Nanofibers. <b>2015</b> , 7, 14946-53	144

1457	Controlled synthesis of NiCo <sub>2</sub> O <sub>4</sub> nanowires and nanosheets on reduced graphene oxide nanosheets for supercapacitors. <b>2015</b> , 19, 3309-3317	18
1456	Green and all-carbon asymmetric supercapacitor based on polyaniline nanotubes and anthraquinone functionalized porous nitrogen-doped carbon nanotubes with high energy storage performance. <b>2015</b> , 5, 63624-63633	36
1455	Vertically oriented Ni <sub>3</sub> S <sub>2</sub> /RGO/Ni <sub>3</sub> S <sub>2</sub> nanosheets on Ni foam for superior supercapacitors. <b>2015</b> , 5, 63528-63536	36
1454	Towards three-dimensional hierarchical ZnO nanofiber@Ni(OH) <sub>2</sub> nanoflake core-shell heterostructures for high-performance asymmetric supercapacitors. <b>2015</b> , 3, 18413-18421	118
1453	The hybrid nanostructure of MnCo <sub>2</sub> O <sub>4.5</sub> nanoneedle/carbon aerogel for symmetric supercapacitors with high energy density. <b>2015</b> , 7, 14401-12	76
1452	Nickel hydroxide-carbon nanotube nanocomposites as supercapacitor electrodes: crystallinity dependent performances. <b>2015</b> , 26, 314003	13
1451	One-pot synthesis of an RGO/ZnO nanocomposite on zinc foil and its excellent performance for the nonenzymatic sensing of xanthine. <b>2015</b> , 221, 528-536	23
1450	Facile hydrothermal synthesis of NiMoO <sub>4</sub> @CoMoO <sub>4</sub> hierarchical nanospheres for supercapacitor applications. <b>2015</b> , 17, 20795-804	119
1449	Hydrothermal growth of MnO <sub>2</sub> /RGO/Ni(OH) <sub>2</sub> on nickel foam with superior supercapacitor performance. <b>2015</b> , 5, 62571-62576	36
1448	Graphene based 2D-materials for supercapacitors. <b>2015</b> , 2, 032002	60
1447	Few-layered Ni(OH) <sub>2</sub> nanosheets for high-performance supercapacitors. <b>2015</b> , 295, 323-328	146
1446	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
1445	Fe <sub>2</sub> O <sub>3</sub> @PANI Core-Shell Nanowire Arrays as Negative Electrodes for Asymmetric Supercapacitors. <b>2015</b> , 7, 14843-50	303
1444	Template-grown graphene/porous Fe <sub>2</sub> O <sub>3</sub> nanocomposite: A high-performance anode material for pseudocapacitors. <b>2015</b> , 15, 719-728	95
1443	Rescaling of metal oxide nanocrystals for energy storage having high capacitance and energy density with robust cycle life. <b>2015</b> , 112, 7914-9	34
1442	Electrochemical route for accessing amorphous mixed-metal hydroxide nanospheres and magnetism. <b>2015</b> , 5, 45359-45367	12
1441	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
1440	Effect of Temperature on Morphology and Electrochemical Capacitive Properties of Electrospun Carbon Nanofibers and Nickel Hydroxide Composites. <b>2015</b> , 174, 806-814	19

1439	Solid State Flexible Asymmetric Supercapacitor Based on Carbon Fiber Supported Hierarchical Co(OH) <sub>x</sub> CO <sub>3</sub> and Ni(OH) <sub>2</sub> . <b>2015</b> , 31, 7835-43	75
1438	Enhancing the energy density of asymmetric stretchable supercapacitor based on wrinkled CNT@MnO <sub>2</sub> cathode and CNT@polypyrrole anode. <b>2015</b> , 7, 15303-13	115
1437	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
1436	Advanced asymmetric supercapacitors based on Ni <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> @GO and Fe <sub>2</sub> O <sub>3</sub> @GO electrodes with high specific capacitance and high energy density. <b>2015</b> , 5, 41721-41728	50
1435	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
1434	Synthesis of three dimensional Co <sub>9</sub> S <sub>8</sub> nanorod@Ni(OH) <sub>2</sub> nanosheet core-shell structure for high performance supercapacitor application. <b>2015</b> , 284, 279-286	88
1433	An electrochemical exploration of hollow NiCo <sub>2</sub> O <sub>4</sub> submicrospheres and its capacitive performances. <b>2015</b> , 287, 307-315	65
1432	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
1431	Facile Synthesis of Cu <sub>2</sub> O/RGO/Ni(OH) <sub>2</sub> Nanocomposite and its Double Synergistic Effect on Supercapacitor Performance. <b>2015</b> , 165, 314-322	52
1430	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
1429	Floss-like NiCo binary hydroxides assembled by whisker-like nanowires for high-performance supercapacitor. <b>2015</b> , 21, 1655-1663	12
1428	Asymmetric supercapacitor based on an HMoO <sub>3</sub> cathode and porous activated carbon anode materials. <b>2015</b> , 5, 37462-37468	47
1427	Achieving battery-level energy density by constructing aqueous carbonaceous supercapacitors with hierarchical porous N-rich carbon materials. <b>2015</b> , 3, 11387-11394	115
1426	Functional porous carbon/nickel oxide nanocomposites as binder-free electrodes for supercapacitors. <b>2015</b> , 21, 8200-6	40
1425	Scalable thermal synthesis of a highly crumpled, highly exfoliated and N-doped graphene/Mn-oxide nanoparticle hybrid for high-performance supercapacitors. <b>2015</b> , 5, 42516-42525	3
1424	Synthesis of graphene oxide anchored porous manganese sulfide nanocrystals via the nanoscale Kirkendall effect for supercapacitors. <b>2015</b> , 3, 12913-12919	84
1423	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
1422	Electrochemical fabrication of Ni(OH) <sub>2</sub> /Ni <sub>3</sub> D porous composite films as integrated capacitive electrodes. <b>2015</b> , 5, 12931-12936	54

1421	Ni/Bi battery based on Ni(OH) <sub>2</sub> nanoparticles/graphene sheets and Bi <sub>2</sub> O <sub>3</sub> rods/graphene sheets with high performance. <b>2015</b> , 643, 231-238	24
1420	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
1419	Stretchable Wire-Shaped Asymmetric Supercapacitors Based on Pristine and MnO <sub>2</sub> Coated Carbon Nanotube Fibers. <b>2015</b> , 9, 6088-96	258
1418	Synthesis of a flower-like Co-doped Ni(OH) <sub>2</sub> composite for high-performance supercapacitors. <b>2015</b> , 5, 48181-48186	21
1417	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
1416	Sculpturing metal foams toward bifunctional 3D copper oxide nanowire arrays for pseudo-capacitance and enzyme-free hydrogen peroxide detection. <b>2015</b> , 3, 8734-8741	38
1415	From flour to honeycomb-like carbon foam: Carbon makes room for high energy density supercapacitors. <b>2015</b> , 13, 527-536	206
1414	Asymmetric supercapacitors based on carbon nanotubes@NiO ultrathin nanosheets core-shell composites and MOF-derived porous carbon polyhedrons with super-long cycle life. <b>2015</b> , 285, 281-290	249
1413	Synthesis of shape-controlled NiO/graphene nanocomposites with enhanced supercapacitive properties. <b>2015</b> , 39, 4026-4034	40
1412	Fabrication and pseudocapacity behavior of elm flower branch-like nickel@graphene fibers. <b>2015</b> , 5, 31081-31085	1
1411	Fabrication of urchin-like NiCo <sub>2</sub> (CO <sub>3</sub> ) <sub>1.5</sub> (OH) <sub>3</sub> @NiCo <sub>2</sub> S <sub>4</sub> on Ni foam by an ion-exchange route and application to asymmetrical supercapacitors. <b>2015</b> , 3, 13308-13316	77
1410	A post-oxidation strategy for the synthesis of graphene/carbon nanotube-supported polyaniline nanocomposites as advanced supercapacitor electrodes. <b>2015</b> , 5, 24599-24606	12
1409	Enhanced supercapacitive performance on TiO <sub>2</sub> @C coaxial nano-rod array through a bio-inspired approach. <b>2015</b> , 15, 75-82	55
1408	Synthesis of nickel oxide/reduced graphene oxide composite with nanosheet-on-sheet nanostructure for lithium-ion batteries. <b>2015</b> , 155, 30-33	8
1407	Three-dimensional NiCo <sub>2</sub> O <sub>4</sub> @NiMoO <sub>4</sub> core/shell nanowires for electrochemical energy storage. <b>2015</b> , 3, 12069-12075	39
1406	Functionalized highly porous graphitic carbon fibers for high-rate supercapacitive electrodes. <b>2015</b> , 13, 658-669	150
1405	To Be or Not To Be Pseudocapacitive?. <b>2015</b> , 162, A5185-A5189	1692
1404	Flexible all-solid-state hierarchical NiCo <sub>2</sub> O <sub>4</sub> /porous graphene paper asymmetric supercapacitors with an exceptional combination of electrochemical properties. <b>2015</b> , 13, 306-317	265

1403	Monodisperse carbon microspheres derived from potato starch for asymmetric supercapacitors. <b>2015</b> , 167, 303-310	53
1402	Three dimensional carbon nanotube/nickel hydroxide gels for advanced supercapacitors. <b>2015</b> , 5, 30260-30267	11
1401	Rapid microwave-assisted fabrication of 3D cauliflower-like NiCo <sub>2</sub> S <sub>4</sub> architectures for asymmetric supercapacitors. <b>2015</b> , 5, 21604-21613	82
1400	A super-high energy density asymmetric supercapacitor based on 3D core-shell structured NiCo-layered double hydroxide@carbon nanotube and activated polyaniline-derived carbon electrodes with commercial level mass loading. <b>2015</b> , 3, 13244-13253	142
1399	Interconnected Nanorods/Nanoflakes Li <sub>2</sub> Co <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> Framework Structure with Enhanced Electrochemical Properties for Supercapacitors. <b>2015</b> , 5, 1500060	39
1398	Nickel-cobalt hydroxide nanoflakes conformal coating on carbon nanotubes as a supercapacitive material with high-rate capability. <b>2015</b> , 286, 438-444	102
1397	Nanocarbon-Based Materials for Asymmetric Supercapacitors. <b>2015</b> , 379-415	2
1396	Graphene and Porous Nanocarbon Materials for Supercapacitor Applications. <b>2015</b> , 301-338	1
1395	Flexible Hybrid Membranes with Ni(OH) <sub>2</sub> Nanoplatelets Vertically Grown on Electrospun Carbon Nanofibers for High-Performance Supercapacitors. <b>2015</b> , 7, 22669-77	132
1394	A review of negative electrode materials for electrochemical supercapacitors. <b>2015</b> , 58, 1799-1808	65
1393	A g-C <sub>3</sub> N <sub>4</sub> /nanocarbon/ZnIn <sub>2</sub> S <sub>4</sub> nanocomposite: an artificial Z-scheme visible-light photocatalytic system using nanocarbon as the electron mediator. <b>2015</b> , 51, 17144-7	117
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1390	Core-shell Co <sub>11</sub> (HPO <sub>3</sub> ) <sub>8</sub> (OH) <sub>6</sub> Co <sub>3</sub> O <sub>4</sub> hybrids for high-performance flexible all-solid-state asymmetric supercapacitors. <b>2015</b> , 651, 214-221	31
1389	Construction of cobalt substituted Ni(OH) <sub>2</sub> hierarchical nanostructure from nanofibers on nickel foam and its electrochemical performance. <b>2015</b> , 281, 38-42	4
1388	VO <sub>2</sub> : from negative electrode material to symmetric electrochemical capacitor. <b>2015</b> , 5, 97239-97247	34
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1364	Co(OH) <sub>2</sub> /RGO/NiO sandwich-structured nanotube arrays with special surface and synergistic effects as high-performance positive electrodes for asymmetric supercapacitors. <b>2015</b> , 7, 16932-42	25
1363	Microwave-assisted in situ synthesis of cobalt nanoparticles decorated on reduced graphene oxide as promising electrodes for supercapacitors. <b>2015</b> , 40, 13003-13013	13
1362	Three-dimensional nickel hydroxide/graphene composite hydrogels and their transformation to NiO/graphene composites for energy storage. <b>2015</b> , 3, 21682-21689	26
1361	3D interconnected porous NiMoO <sub>4</sub> nanoplate arrays on Ni foam as high-performance binder-free electrode for supercapacitors. <b>2015</b> , 3, 22081-22087	81
1360	Three-Dimensional NiCo <sub>2</sub> O <sub>4</sub> @Polypyrrole Coaxial Nanowire Arrays on Carbon Textiles for High-Performance Flexible Asymmetric Solid-State Supercapacitor. <b>2015</b> , 7, 21334-46	250
1359	Three-dimensional carbon composites as electrode materials for symmetric Li-ion capacitors in organic electrolyte. <b>2015</b> , 164, 230-237	7
1358	ENiMoO <sub>4</sub> nanowire arrays grown on carbon cloth for 3D solid asymmetry supercapacitors. <b>2015</b> , 5, 107098-107104	104
1357	Polypyrrole nanosphere embedded in wrinkled graphene layers to obtain cross-linking network for high performance supercapacitors. <b>2015</b> , 184, 179-185	8
1356	Hierarchical Mesoporous Zinc-Nickel-Cobalt Ternary Oxide Nanowire Arrays on Nickel Foam as High-Performance Electrodes for Supercapacitors. <b>2015</b> , 7, 26512-21	189
1355	Two-dimensional Ni(OH) <sub>2</sub> -XS <sub>2</sub> (X = Mo and W) heterostructures. <b>2015</b> , 2, 034014	9
1354	Hierarchical nanocomposite composed of layered V <sub>2</sub> O <sub>5</sub> /PEDOT/MnO <sub>2</sub> nanosheets for high-performance asymmetric supercapacitors. <b>2015</b> , 12, 76-87	74
1353	Growth of aluminum-substituted nickel hydroxide nanoflakes on nickel foam with ultrahigh specific capacitance at high current density. <b>2015</b> , 50, 2422-2428	11
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1347	A Simple Electrochemical Route to Access Amorphous Mixed-Metal Hydroxides for Supercapacitor Electrode Materials. <b>2015</b> , 5, 1401767	142
1346	Electrochemical reduction approach-based 3D graphene/Ni(OH) <sub>2</sub> electrode for high-performance supercapacitors. <b>2015</b> , 154, 9-16	41
1345	Ni(OH) <sub>2</sub> /NiO/Ni composite nanotube arrays for high-performance supercapacitors. <b>2015</b> , 154, 128-135	82
1344	Development of hybrid materials based on sponge supported reduced graphene oxide and transition metal hydroxides for hybrid energy storage devices. <b>2014</b> , 4, 7349	69
1343	A facile synthetic approach for SiO <sub>2</sub> @Co <sub>3</sub> O <sub>4</sub> core-shell nanorattles with enhanced peroxidase-like activity. <b>2015</b> , 5, 5295-5306	37
1342	Ultrathin cerium orthovanadate nanobelts for high-performance flexible all-solid-state asymmetric supercapacitors. <b>2015</b> , 10, 338-43	15
1341	Facile synthesis of Cu <sub>2</sub> O/CuO/RGO nanocomposite and its superior cyclability in supercapacitor. <b>2015</b> , 152, 433-442	176
1340	Peanut shell hybrid sodium ion capacitor with extreme energy power rivals lithium ion capacitors. <b>2015</b> , 8, 941-955	622
1339	One-step synthesis and graphene-modification to achieve nickel phosphide nanoparticles with electrochemical properties suitable for supercapacitors. <b>2015</b> , 61, 333-339	52
1338	Functionalized graphene aerogel composites for high-performance asymmetric supercapacitors. <b>2015</b> , 11, 611-620	107
1337	Electrostatic induced stretch growth of homogeneous Ni(OH) <sub>2</sub> on graphene with enhanced high-rate cycling for supercapacitors. <b>2014</b> , 4, 3669	197
1336	Superior asymmetric supercapacitor based on Ni-Co oxide nanosheets and carbon nanorods. <b>2014</b> , 4, 3712	142
1335	Large-scale synthesis of coaxial carbon nanotube/Ni(OH) <sub>2</sub> composites for asymmetric supercapacitor application. <b>2015</b> , 11, 211-218	403
1334	Three-dimensional ultrathin Ni(OH) <sub>2</sub> nanosheets grown on nickel foam for high-performance supercapacitors. <b>2015</b> , 11, 154-161	329
1333	NiCo <sub>2</sub> S <sub>4</sub> Nanosheets Grown on Nitrogen-Doped Carbon Foams as an Advanced Electrode for Supercapacitors. <b>2015</b> , 5, 1400977	633
1332	High-performance asymmetric pseudocapacitor cell based on cobalt hydroxide/graphene and polypyrrole/graphene electrodes. <b>2015</b> , 275, 298-304	76

1331	The ternary MnFe <sub>2</sub> O <sub>4</sub> /graphene/polyaniline hybrid composite as negative electrode for supercapacitors. <b>2015</b> , 275, 399-407	141
1330	Pre-stabilized reduced graphene oxide by ammonia as carrier for Ni(OH) <sub>2</sub> with excellent electrochemical property. <b>2015</b> , 19, 229-239	13
1329	Building Three-Dimensional Graphene Frameworks for Energy Storage and Catalysis. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 324-330	15.6 140
1328	Exfoliation-restacking synthesis of coal-layered double hydroxide nanosheets/reduced graphene oxide composite for high performance supercapacitors. <b>2015</b> , 152, 117-125	68
1327	High-performance asymmetric supercapacitors based on multilayer MnO <sub>2</sub> /graphene oxide nanoflakes and hierarchical porous carbon with enhanced cycling stability. <b>2015</b> , 11, 1310-9	289
1326	Synthesis of high surface area, mesoporous MgO nanosheets with excellent adsorption capability for Ni(II) via a distillation treating. <b>2015</b> , 438, 259-267	45
1325	Graphene models and nano-scale characterization technologies for fuel cell vehicle electrodes. <b>2015</b> , 42, 66-77	19
1324	Asymmetric supercapacitor based on nanostructured graphene foam/polyvinyl alcohol/formaldehyde and activated carbon electrodes. <b>2015</b> , 273, 305-311	59
1323	Facile synthesis of ultrathin nickel hydroxides nanoflakes on nickel foam for high-performance supercapacitors. <b>2015</b> , 138, 5-8	13
1322	The Comparative Study of Electrochemical Capacitance Performance between Sulphur-Doped Co <sub>3</sub> O <sub>4</sub> and CoS Anodes. <b>2016</b> , 2016, 1-5	1
1321	Mesoporous NiCo <sub>2</sub> O <sub>4</sub> nanospheres with a high specific surface area as electrode materials for high-performance supercapacitors. <b>2016</b> , 6, 67839-67848	42
1320	Designed Formation of MnO <sub>2</sub> @NiO/NiMoO <sub>4</sub> Nanowires@Nanosheets Hierarchical Structures with Enhanced Pseudocapacitive Properties. <b>2016</b> , 3, 1347-1353	24
1319	Bridging Unilamellar Nanosheets for High Performance Additive-Free Supercapacitor Electrodes. <b>2016</b> , 3, 1600108	3
1318	High-Performance Fiber-Shaped All-Solid-State Asymmetric Supercapacitors Based on Ultrathin MnO <sub>2</sub> Nanosheet/Carbon Fiber Cathodes for Wearable Electronics. <b>2016</b> , 6, 1501458	362
1317	Porous NiCo <sub>2</sub> O <sub>4</sub> /C nanofibers replicated by cotton template as high-rate electrode materials for supercapacitors. <b>2016</b> , 2, 248-255	18
1316	Charge storage performances of micro-supercapacitor predominated by two-dimensional (2D) crystal structure. <b>2016</b> , 27, 58-67	33
1315	Effect of N-doped carbon quantum dots/multiwall-carbon nanotube composite support on Pt catalytic performance for methanol electrooxidation. <b>2016</b> , 6, 67096-67101	7
1314	Direct Growth of 3 D Hierarchical Porous Ni <sub>3</sub> S <sub>2</sub> Nanostructures on Nickel Foam for High-Performance Supercapacitors. <b>2016</b> , 2, 719-725	16

1313	Preparation of MnCo <sub>2</sub> O <sub>4</sub> @Ni(OH) <sub>2</sub> CoreShell Flowers for Asymmetric Supercapacitor Materials with Ultrahigh Specific Capacitance. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4085-4093	15.6	421
1312	High-performance all-solid-state asymmetric stretchable supercapacitors based on wrinkled MnO <sub>2</sub> /CNT and Fe <sub>2</sub> O <sub>3</sub> /CNT macrofilms. <b>2016</b> , 4, 12289-12295		99
1311	Synthesis of hierarchical carbon sphere@NiMoO <sub>4</sub> composite materials for supercapacitor electrodes. <b>2016</b> , 42, 15694-15700		39
1310	Controlled growth of NiMoO <sub>4</sub> ·H <sub>2</sub> O nanoflake and nanowire arrays on Ni foam for superior performance of asymmetric supercapacitors. <b>2016</b> , 6, 67785-67793		21
1309	Highly Selective Xylene Sensor Based on NiO/NiMoO Nanocomposite Hierarchical Spheres for Indoor Air Monitoring. <b>2016</b> , 8, 34603-34611		90
1308	Enhanced energy density of a supercapacitor using 2D CoMoO ultrathin nanosheets and asymmetric configuration. <b>2016</b> , 27, 505401		15
1307	Solubility-Dependent NiMoO Nanoarchitectures: Direct Correlation between Rationally Designed Structure and Electrochemical Pseudokinetics. <b>2016</b> , 8, 35227-35234		32
1306	Graphene-assisted synthesis of three-dimensional Ni/Co hydroxide nanowire network with enhanced electrochemical capacitive performance. <b>2016</b> , 5, 260-267		4
1305	Facile and Sustainable Synthesis of Co <sub>3</sub> O <sub>4</sub> @Hollow-Carbon-Fiber for a Binder-Free Supercapacitor Electrode. <b>2016</b> , 1, 6469-6475		18
1304	An innovative concept of use of redox-active electrolyte in asymmetric capacitor based on MWCNTs/MnO and FeO thin films. <b>2016</b> , 6, 39205		69
1303	Design and Fabrication of Ni <sub>3</sub> P <sub>2</sub> O <sub>8</sub> -Co <sub>3</sub> P <sub>2</sub> O <sub>8</sub> ·H <sub>2</sub> O as Advanced Positive Electrodes for Asymmetric Supercapacitors. <b>2016</b> , 201, 142-150		37
1302	Heteroatom enhanced sodium ion capacity and rate capability in a hydrogel derived carbon give record performance in a hybrid ion capacitor. <b>2016</b> , 23, 129-137		142
1301	Nickel hydroxide coated carbon nanoparticles mediated hybrid three-dimensional graphene foam assembly for supercapacitor. <b>2016</b> , 6, 36307-36313		9
1300	Ideal nanoporous gold based supercapacitors with theoretical capacitance and high energy/power density. <b>2016</b> , 24, 17-24		53
1299	A facile hydrothermal reflux synthesis of Ni(OH) <sub>2</sub> /GF electrode for supercapacitor application. <b>2016</b> , 51, 6041-6050		29
1298	Development of Candle Soot Based Carbon Nanoparticles (CNPs)/Polyaniline Electrode and Its Comparative Study with CNPs/MnO <sub>2</sub> in Supercapacitors. <b>2016</b> , 210, 190-198		17
1297	Hierarchical Heterostructures of NiCo <sub>2</sub> O <sub>4</sub> @XMoO <sub>4</sub> (X = Ni, Co) as an Electrode Material for High-Performance Supercapacitors. <b>2016</b> , 11, 257		21
1296	One-pot formation of ultra-thin Ni/Co hydroxides with a sheet-like structure for enhanced asymmetric supercapacitors. <b>2016</b> , 4, 9160-9168		82

1295	Three-dimensional flexible electrode derived from low-cost nickel phytate with improved electrochemical performance. <b>2016</b> , 4, 9486-9495	22
1294	Incorporation of homogeneous Co <sub>3</sub> O <sub>4</sub> into a nitrogen-doped carbon aerogel via a facile in situ synthesis method: implications for high performance asymmetric supercapacitors. <b>2016</b> , 4, 9542-9554	85
1293	Fabrication of Ni-Co binary oxide/reduced graphene oxide composite with high capacitance and cyclic stability as efficient electrode for supercapacitors. <b>2016</b> , 22, 535-544	30
1292	Asymmetric supercapacitor based on flexible TiC/CNF felt supported interwoven nickel-cobalt binary hydroxide nanosheets. <b>2016</b> , 317, 57-64	42
1291	Vertically stacked bilayer CuCo <sub>2</sub> O <sub>4</sub> /MnCo <sub>2</sub> O <sub>4</sub> heterostructures on functionalized graphite paper for high-performance electrochemical capacitors. <b>2016</b> , 4, 8061-8071	195
1290	Controllable synthesis of triangular Ni(HCO <sub>3</sub> ) <sub>2</sub> nanosheets for supercapacitor. <b>2016</b> , 9, 1358-1365	37
1289	Asymmetric supercapacitors with metal-like ternary selenides and porous graphene electrodes. <b>2016</b> , 24, 78-86	139
1288	Fabrication of ultra-high energy and power asymmetric supercapacitors based on hybrid 2D MoS <sub>2</sub> /graphene oxide composite electrodes: a binder-free approach. <b>2016</b> , 6, 43261-43271	30
1287	Interfacial characterization and electrocatalytic response of sonoelectrodeposited NiCo(OH) <sub>2</sub> nanocomposites. <b>2016</b> , 196, 670-679	5
1286	Three-dimensional hierarchical interwoven nitrogen-doped carbon nanotubes/CoxNi <sub>1-x</sub> -layered double hydroxides ultrathin nanosheets for high-performance supercapacitors. <b>2016</b> , 203, 21-29	58
1285	Nickel-based pillared MOFs for high-performance supercapacitors: Design, synthesis and stability study. <b>2016</b> , 26, 66-73	238
1284	Building layered Ni <sub>x</sub> Co <sub>2-x</sub> (OH) <sub>6</sub> nanosheets decorated three-dimensional Ni frameworks for electrochemical applications. <b>2016</b> , 317, 1-9	89
1283	A Novel Asymmetric Supercapacitor Designed with Mn <sub>3</sub> O <sub>4</sub> @Multi-wall Carbon Nanotube Nanocomposite and Reduced Graphene Oxide Electrodes. <b>2016</b> , 45, 3491-3500	25
1282	In situ hydrothermal fabrication of a MnO <sub>2</sub> @CoMoO <sub>4</sub> @Ni nanohybrid electrode and ultrahigh energy density of ASCs. <b>2016</b> , 6, 46508-46515	7
1281	MOF-derived Ni <sub>x</sub> Co <sub>1-x</sub> (OH) <sub>2</sub> composite microspheres for high-performance supercapacitors. <b>2016</b> , 6, 49478-49486	86
1280	One-pot synthesis of MnS/nitrogen-doped reduced graphene oxide hybrid for high-performance asymmetric supercapacitors. <b>2016</b> , 210, 557-566	96
1279	Layered NiO/reduced graphene oxide composites by heterogeneous assembly with enhanced performance as high-performance asymmetric supercapacitor cathode. <b>2016</b> , 6, 46548-46557	46
1278	In situ electrochemical exfoliation of Highly Oriented Pyrolytic Graphite as a new substrate for electrodeposition of flower like nickel hydroxide: application as a new high performance supercapacitor. <b>2016</b> , 206, 317-327	20

1277	Ultrahigh-rate-capability of a layered double hydroxide supercapacitor based on a self-generated electrolyte reservoir. <b>2016</b> , 4, 8421-8427	50
1276	Electrochemical performance in alkaline and neutral electrolytes of a manganese phosphate material possessing a broad potential window. <b>2016</b> , 6, 40077-40085	37
1275	Cracks bring robustness: a pre-cracked NiO nanosponge electrode with greatly enhanced cycle stability and rate performance. <b>2016</b> , 4, 8211-8218	21
1274	Functionalization of chemically derived graphene for improving its electrocapacitive energy storage properties. <b>2016</b> , 9, 1891-1930	181
1273	Amorphous CoMoS <sub>4</sub> for a valuable energy storage material candidate. <b>2016</b> , 301, 266-275	65
1272	One-step accurate synthesis of shell controllable CoFe <sub>2</sub> O <sub>4</sub> hollow microspheres as high-performance electrode materials in supercapacitor. <b>2016</b> , 9, 2026-2033	99
1271	Freestanding flexible graphene foams@polypyrrole@MnO <sub>2</sub> electrodes for high-performance supercapacitors. <b>2016</b> , 4, 9196-9203	65
1270	An ultrafast, high capacity and superior longevity Ni/Zn battery constructed on nickel nanowire array film. <b>2016</b> , 30, 900-908	144
1269	In situ electrochemical activation of Ni-based colloids from an NiCl electrode and their advanced energy storage performance. <b>2016</b> , 8, 17090-17095	24
1268	Robust iron nanoparticles with graphitic shells for high-performance Ni-Fe battery. <b>2016</b> , 30, 217-224	57
1267	Electrochemical performances of asymmetric super capacitor fabricated by one-dimensional CoMoO <sub>4</sub> nanostructure. <b>2016</b> , 664, 23-28	23
1266	Nanofoaming to Boost the Electrochemical Performance of Ni@Ni(OH) <sub>2</sub> Nanowires for Ultrahigh Volumetric Supercapacitors. <b>2016</b> , 8, 27868-27876	72
1265	Brick-and-mortar sandwiched porous carbon building constructed by metal-organic framework and graphene: Ultrafast charge/discharge rate up to 2 V s <sup>-1</sup> for supercapacitors. <b>2016</b> , 30, 84-92	69
1264	Pseudocapacitive Transparent/Flexible Supercapacitor based on Graphene wrapped Ni(OH) <sub>2</sub> Nanosheet Transparent Film Produced using Scalable Bio-inspired Methods. <b>2016</b> , 219, 61-69	25
1263	Energy Harvesting and Storage. <b>2016</b> , 257-295	
1262	Heteroatom-Doped Porous Carbon Nanosheets: General Preparation and Enhanced Capacitive Properties. <b>2016</b> , 22, 16668-16674	14
1261	A novel Ni(OH) <sub>2</sub> /graphene nanosheets electrode with high capacitance and excellent cycling stability for pseudocapacitors. <b>2016</b> , 333, 156-163	40
1260	In-Situ-Grown Mg(OH) <sub>2</sub> -Derived Hybrid Ni(OH) <sub>2</sub> for Highly Stable Supercapacitor. <b>2016</b> , 1, 814-819	112

1259	Biomass-derived three-dimensional honeycomb-like hierarchical structured carbon for ultrahigh energy density asymmetric supercapacitors. <b>2016</b> , 4, 13589-13602	159
1258	Supercapacitors Based on Reduced Graphene Oxide Nanofibers Supported Ni(OH) <sub>2</sub> Nanoplates with Enhanced Electrochemical Performance. <b>2016</b> , 8, 22977-87	54
1257	2D hydrated layered Ni(OH) <sub>2</sub> structure with hollow TiO <sub>2</sub> nanocomposite directed chromogenic and catalysis capabilities. <b>2016</b> , 4, 13307-13315	20
1256	Microwave synthesis of nitrogen-doped mesoporous carbon/nickel-cobalt hydroxide microspheres for high-performance supercapacitors. <b>2016</b> , 689, 489-499	33
1255	Full synergistic contribution of electrodeposited three-dimensional NiCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> nanosheet networks electrode for asymmetric supercapacitors. <b>2016</b> , 27, 627-637	194
1254	High rate capability of mesoporous NiWO <sub>4</sub> /CoWO <sub>4</sub> nanocomposite as a positive material for hybrid supercapacitor. <b>2016</b> , 182, 394-401	28
1253	Highly efficient photocatalytic activity of CuO quantum dot decorated rGO nanocomposites. <b>2016</b> , 49, 315107	25
1252	NiCoO <sub>2</sub> flowers grown on the aligned-flakes coated Ni foam for application in hybrid energy storage. <b>2016</b> , 329, 238-246	43
1251	Tuning the performance of Pt/Ni alloy/reduced graphene oxide catalysts for 4-nitrophenol reduction. <b>2016</b> , 6, 79028-79036	17
1250	Ni@NiO core/shell dendrites for ultra-long cycle life electrochemical energy storage. <b>2016</b> , 4, 15049-15056	27
1249	Construction of a Hierarchical NiCo <sub>2</sub> S <sub>4</sub> @PPy Core-Shell Heterostructure Nanotube Array on Ni Foam for a High-Performance Asymmetric Supercapacitor. <b>2016</b> , 8, 24525-35	327
1248	One-step synthesis of architectural Ni <sub>3</sub> S <sub>2</sub> nanosheet-on-nanorods array for use as high-performance electrodes for supercapacitors. <b>2016</b> , 8, e300-e300	69
1247	Three-dimensional Ni(OH) <sub>2</sub> /Cu <sub>2</sub> O/CuO porous cluster grown on nickel foam for high performance supercapacitor. <b>2016</b> , 215, 108-113	34
1246	Significant enhancement of electrochemical behaviour by incorporation of carboxyl group functionalized carbon nanotubes into polyaniline based supercapacitor. <b>2016</b> , 83, 53-59	31
1245	Flexible, silver nanowire network nickel hydroxide core-shell electrodes for supercapacitors. <b>2016</b> , 328, 167-173	71
1244	Carbon-modified Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> ·2H <sub>2</sub> O nanobelts as redox active materials for high-performance supercapacitor. <b>2016</b> , 28, 115-123	46
1243	Monolayer Nickel Cobalt Hydroxyl Carbonate for High Performance All-Solid-State Asymmetric Supercapacitors. <b>2016</b> , 8, 22997-3005	119
1242	In situ removal of template to synthesize mesoporous NiCo <sub>2</sub> O <sub>4</sub> for high performance battery-type electrode. <b>2016</b> , 782, 133-137	9

1241	One-step fabrication of electrochemically reduced graphene oxide/nickel oxide composite for binder-free supercapacitors. <b>2016</b> , 41, 17496-17505	44
1240	Shell-like hierarchical porous carbons for high-rate performance supercapacitors. <b>2016</b> , 236, 134-140	44
1239	Recent Developments in Design and Fabrication of Graphene-Based Interdigital Micro-Supercapacitors for Miniaturized Energy Storage Devices. <b>2016</b> , 6, 1752-1765	16
1238	Facile synthesis of porous carbon spheres embedded with metal nanoparticles and their applications as supercapacitor electrodes. <b>2016</b> , 6, 91250-91255	7
1237	Facile preparation of novel dandelion-like Fe-doped NiCo <sub>2</sub> O <sub>4</sub> microspheres@nanomeshes for excellent capacitive property in asymmetric supercapacitors. <b>2016</b> , 327, 135-144	55
1236	Evaluation of reduced graphene oxide-supported NiSb <sub>2</sub> O <sub>6</sub> nanocomposites for reversible lithium storage. <b>2016</b> , 42, 14782-14787	12
1235	High-Performance Flexible Solid-State Ni/Fe Battery Consisting of Metal Oxides Coated Carbon Cloth/Carbon Nanofiber Electrodes. <b>2016</b> , 6, 1601034	213
1234	A Porous Perchlorate-Doped Polypyrrole Nanocoating on Nickel Nanotube Arrays for Stable Wide-Potential-Window Supercapacitors. <b>2016</b> , 28, 7680-7	161
1233	CoOOH ultrathin nanoflake arrays aligned on nickel foam: fabrication and use in high-performance supercapacitor devices. <b>2016</b> , 4, 12833-12840	29
1232	3D interconnected networks of a ternary hierarchical carbon nanofiber/MnO <sub>2</sub> /Ni(OH) <sub>2</sub> architecture as integrated electrodes for all-solid-state supercapacitors. <b>2016</b> , 6, 71882-71892	10
1231	NiCoFe Layered Triple Hydroxides with Porous Structures as High-Performance Electrocatalysts for Overall Water Splitting. <b>2016</b> , 1, 445-453	265
1230	2D Materials Beyond Graphene for High-Performance Energy Storage Applications. <b>2016</b> , 6, 1600671	301
1229	Free-Standing 3D Nanoporous Duct-Like and Hierarchical Nanoporous Graphene Films for Micron-Level Flexible Solid-State Asymmetric Supercapacitors. <b>2016</b> , 6, 1600755	48
1228	Application of Chemical Doping and Architectural Design Principles To Fabricate Nanowire Co <sub>2</sub> Ni <sub>3</sub> ZnO <sub>8</sub> Arrays for Aqueous Asymmetric Supercapacitors. <b>2016</b> , 8, 20157-67	15
1227	Rational design of sandwich-like exfoliated nickel hydroxide@carbon nanotubes as a novel electrode for supercapacitors. <b>2016</b> , 6, 70999-71005	4
1226	A novel open architecture built by ultra-fine single-crystal Co <sub>2</sub> (CO <sub>3</sub> )(OH) <sub>2</sub> nanowires and reduced graphene oxide for asymmetric supercapacitors. <b>2016</b> , 4, 17171-17179	53
1225	Facile synthesis of Ni(OH) <sub>2</sub> /graphene/bacterial cellulose paper for large areal mass, mechanically tough and flexible supercapacitor electrodes. <b>2016</b> , 335, 76-83	56
1224	Hierarchical ternary Ni-Co-Se nanowires for high-performance supercapacitor device design. <b>2016</b> , 45, 19458-19465	82

1223	A scalable in situ surfactant-free synthesis of a uniform MnO/graphene composite for highly reversible lithium storage. <b>2016</b> , 45, 19221-19225	11
1222	Charge storage mechanisms of manganese oxide nanosheets and N-doped reduced graphene oxide aerogel for high-performance asymmetric supercapacitors. <b>2016</b> , 6, 37560	75
1221	Fe <sub>2</sub> O <sub>3</sub> -decorated millimeter-long vertically aligned carbon nanotube arrays as advanced anode materials for asymmetric supercapacitors with high energy and power densities. <b>2016</b> , 4, 19026-19036	41
1220	Electrode materials based on NiCo(OH) <sub>2</sub> and rGO for high performance energy storage devices. <b>2016</b> , 6, 102504-102512	24
1219	A high-performance asymmetric supercapacitor based on Co(OH) <sub>2</sub> /graphene and activated carbon electrodes. <b>2016</b> , 782, 98-102	47
1218	Chemical insights into the roles of nanowire cores on the growth and supercapacitor performances of Ni-Co-O/Ni(OH) <sub>2</sub> core/shell electrodes. <b>2016</b> , 6, 21566	19
1217	Enhancing Specific Energy and Power in Asymmetric Supercapacitors - A Synergetic Strategy based on the Use of Redox Additive Electrolytes. <b>2016</b> , 6, 25793	62
1216	A cheap and non-destructive approach to increase coverage/loading of hydrophilic hydroxide on hydrophobic carbon for lightweight and high-performance supercapacitors. <b>2015</b> , 5, 18108	26
1215	One material, multiple functions: graphene/Ni(OH) <sub>2</sub> thin films applied in batteries, electrochromism and sensors. <b>2016</b> , 6, 33806	43
1214	Multishelled NiO Hollow Microspheres for High-performance Supercapacitors with Ultrahigh Energy Density and Robust Cycle Life. <b>2016</b> , 6, 33241	54
1213	In-situ Grown of MoS <sub>2</sub> /RGO/MoS <sub>2</sub> @Mo Nanocomposite and Its supercapacitor Performance. <b>2016</b> , 219, 693-700	40
1212	Use of Nutrient Rich Hydrophytes to Create N,P-Dually Doped Porous Carbon with Robust Energy Storage Performance. <b>2016</b> , 50, 12421-12428	38
1211	Large-scale synthesis of hybrid metal oxides through metal redox mechanism for high-performance pseudocapacitors. <b>2016</b> , 6, 20021	56
1210	Hybrid Fe <sub>2</sub> O <sub>3</sub> @Ni(OH) <sub>2</sub> nanosheet composite for high-rate-performance supercapacitor electrode. <b>2016</b> , 6, 31751	18
1209	Facile synthesis of mesoporous hierarchical ZnS@Ni(OH) <sub>2</sub> microspheres for flexible solid state hybrid supercapacitors. <b>2016</b> , 6, 101016-101022	8
1208	Band alignment engineering for high-energy-density solid-state asymmetric supercapacitors with TiO <sub>2</sub> insertion at the ZnO/Ni(OH) <sub>2</sub> interface. <b>2016</b> , 4, 17981-17987	22
1207	Synchronous exfoliation and assembly of graphene on 3D Ni(OH) <sub>2</sub> for supercapacitors. <b>2016</b> , 52, 13373-13376	22
1206	Pyrite FeS <sub>2</sub> nanobelts as high-performance anode material for aqueous pseudocapacitor. <b>2016</b> , 222, 172-176	40



1205	All-solid-state high performance asymmetric supercapacitors based on novel MnS nanocrystal and activated carbon materials. <b>2016</b> , 6, 23289	120
1204	Low-cost and high-performance of a vertically grown 3D NiFe layered double hydroxide/graphene aerogel supercapacitor electrode material. <b>2016</b> , 6, 107278-107285	42
1203	High electrochemical performance of nanostructured CoOOH grown on nickel foam by hydrothermal deposition for application in supercapacitor. <b>2016</b> , 79, 83-88	9
1202	Porous Fe-Mn-O nanocomposites: Synthesis and supercapacitor electrode application. <b>2016</b> , 26, 264-270	16
1201	Use of Polyelectrolytes for the Fabrication of Porous NiO Films by Electrophoretic Deposition for Supercapacitor Electrodes. <b>2016</b> , 211, 110-118	28
1200	Supercapacitor Electrode Based on Nano-Vanadium Nitride Incorporated on Porous Carbon Nanospheres Derived from Ionic Amphiphilic Block Copolymers & Vanadium-Contained Ion Assembly Systems. <b>2016</b> , 211, 469-477	62
1199	Activated carbon from nitrogen rich watermelon rind for high-performance supercapacitors. <b>2016</b> , 6, 59333-59342	57
1198	Facile synthesis of novel metal-organic nickel hydroxide nanorods for high performance supercapacitor. <b>2016</b> , 211, 595-602	85
1197	Three-dimensional Co <sub>3</sub> O <sub>4</sub> @NiO hierarchical nanowire arrays for solid-state symmetric supercapacitor with enhanced electrochemical performances. <b>2016</b> , 304, 223-231	119
1196	Production of Ni(OH) <sub>2</sub> nanosheets by liquid phase exfoliation: from optical properties to electrochemical applications. <b>2016</b> , 4, 11046-11059	60
1195	A high energy density all-solid-state asymmetric supercapacitor based on MoS <sub>2</sub> /graphene nanosheets and MnO <sub>2</sub> /graphene hybrid electrodes. <b>2016</b> , 4, 11264-11275	127
1194	Ni(OH) <sub>2</sub> Nanoflowers/Graphene Hydrogels: A New Assembly for Supercapacitors. <b>2016</b> , 4, 3736-3742	77
1193	Multishelled Nickel-Cobalt Oxide Hollow Microspheres with Optimized Compositions and Shell Porosity for High-Performance Pseudocapacitors. <b>2016</b> , 8, 17276-83	74
1192	Visible-Light Induced Self-Powered Sensing Platform Based on a Photofuel Cell. <b>2016</b> , 88, 6140-4	58
1191	Synthesis of nanostructured Ni(OH) <sub>2</sub> by electrochemical dissolution-precipitation and its application as a water oxidation catalyst. <b>2016</b> , 27, 275401	13
1190	Design and construction of three-dimensional flower-like CuO hierarchical nanostructures on copper foam for high performance supercapacitor. <b>2016</b> , 210, 639-645	70
1189	One-pot fabrication of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles on Ni(OH) <sub>2</sub> nanosheet for enhanced water oxidation. <b>2016</b> , 324, 499-508	41
1188	Nitrogen and oxygen functionalized hollow carbon materials: The capacitive enhancement by simply incorporating novel redox additives into H <sub>2</sub> SO <sub>4</sub> electrolyte. <b>2016</b> , 320, 140-152	69

1187	NiCo <sub>2</sub> S <sub>4</sub> nanoparticles anchored on reduced graphene oxide sheets: In-situ synthesis and enhanced capacitive performance. <b>2016</b> , 477, 46-53	60
1186	Direct Growth of Ultrathin NiCo <sub>2</sub> O <sub>4</sub> /NiO Nanosheets on SiC Nanowires as a Free-Standing Advanced Electrode for High-Performance Asymmetric Supercapacitors. <b>2016</b> , 4, 3598-3608	81
1185	Ni(OH) <sub>2</sub> nanowires/graphite foam composite as an advanced supercapacitor electrode with improved cycle performance. <b>2016</b> , 41, 12136-12145	21
1184	Sulphur-doped Co <sub>3</sub> O <sub>4</sub> nanowires as an advanced negative electrode for high-energy asymmetric supercapacitors. <b>2016</b> , 4, 10779-10785	78
1183	Hybrid Film from Nickel Oxide and Oxygenated Carbon Nanotube as Flexible Electrodes for Pseudocapacitors. <b>2016</b> , 2, 698-703	8
1182	Sub-1 nm Nickel Molybdate Nanowires as Building Blocks of Flexible Paper and Electrochemical Catalyst for Water Oxidation. <b>2016</b> , 12, 1006-12	26
1181	Design and synthesis of ternary Co <sub>3</sub> O <sub>4</sub> /carbon coated TiO <sub>2</sub> hybrid nanocomposites for asymmetric supercapacitors. <b>2016</b> , 18, 19696-704	23
1180	High-performance supercapacitors based on graphene/MnO <sub>2</sub> /activated carbon fiber felt composite electrodes in different neutral electrolytes. <b>2016</b> , 6, 12525-12529	17
1179	Three-Dimensional Co <sub>3</sub> O <sub>4</sub> Nanowires@Amorphous Ni(OH) <sub>2</sub> Ultrathin Nanosheets Hierarchical Structure for Electrochemical Energy Storage. <b>2016</b> , 191, 758-766	63
1178	Shape-Controlled Synthesis of Co <sub>2</sub> P Nanostructures and Their Application in Supercapacitors. <b>2016</b> , 8, 3892-900	250
1177	Electroactive edge site-enriched nickel-cobalt sulfide into graphene frameworks for high-performance asymmetric supercapacitors. <b>2016</b> , 9, 1299-1307	540
1176	Composites of metal-organic frameworks and carbon-based materials: preparations, functionalities and applications. <b>2016</b> , 4, 3584-3616	236
1175	Rod-shape porous carbon derived from aniline modified lignin for symmetric supercapacitors. <b>2016</b> , 307, 462-467	56
1174	Self-Assembly Method To Fabricate Reduced Graphene Oxide Aerogels Loaded with Nickel Hydroxyl Nanoparticles and Their Excellent Properties in Absorbing and Supercapacitors. <b>2016</b> , 55, 6553-6562	8
1173	Superior performance of asymmetric supercapacitor based on reduced graphene oxide-manganese carbonate as positive and sono-chemically reduced graphene oxide as negative electrode materials. <b>2016</b> , 303, 222-233	57
1172	High performance asymmetric supercapacitors: New NiOOH nanosheet/graphene hydrogels and pure graphene hydrogels. <b>2016</b> , 19, 210-221	222
1171	Promising Nitrogen-Rich Porous Carbons Derived from One-Step Calcium Chloride Activation of Biomass-Based Waste for High Performance Supercapacitors. <b>2016</b> , 4, 177-187	174
1170	Band gap modified boron doped NiO/Fe <sub>3</sub> O <sub>4</sub> nanostructure as the positive electrode for high energy asymmetric supercapacitors. <b>2016</b> , 6, 1380-1387	44

1169	Controlled reverse pulse electrosynthesized spike-piece-structured Ni/Ni(OH) <sub>2</sub> interlayer nanoplates for electrochemical pseudocapacitor applications. <b>2016</b> , 52, 1930-3	7
1168	Electrochemical energy storage in Mn <sub>2</sub> O <sub>3</sub> porous nanobars derived from morphology-conserved transformation of benzenetricarboxylate-bridged metal-organic framework. <b>2016</b> , 18, 450-461	66
1167	Mesoporous Co <sub>0.85</sub> Se nanosheets supported on Ni foam as a positive electrode material for asymmetric supercapacitor. <b>2016</b> , 362, 469-476	74
1166	Carbon materials for high volumetric performance supercapacitors: design, progress, challenges and opportunities. <b>2016</b> , 9, 729-762	876
1165	Microstructural tunability of co-continuous bijel-derived electrodes to provide high energy and power densities. <b>2016</b> , 4, 1000-1007	40
1164	Hierarchical carbon@Ni <sub>3</sub> S <sub>2</sub> @MoS <sub>2</sub> double core-shell nanorods for high-performance supercapacitors. <b>2016</b> , 4, 1319-1325	75
1163	Bicontinuous nanotubular graphene-polypyrrole hybrid for high performance flexible supercapacitors. <b>2016</b> , 19, 391-400	114
1162	High performance electrochemical capacitor materials focusing on nickel based materials. <b>2016</b> , 3, 175-202	238
1161	In-situ controllable growth of Ni(OH) <sub>2</sub> with different morphologies on reduced graphene oxide sheets and capacitive performance for supercapacitors. <b>2016</b> , 294, 681-689	28
1160	Recent advances in graphene-based hybrid nanostructures for electrochemical energy storage. <b>2016</b> , 1, 340-374	79
1159	Time and temperature dependent multiple hierarchical NiCo <sub>2</sub> O <sub>4</sub> for high-performance supercapacitors. <b>2016</b> , 45, 7469-75	66
1158	A smart strategy to fabricate Ru nanoparticle inserted porous carbon nanofibers as highly efficient levulinic acid hydrogenation catalysts. <b>2016</b> , 18, 3558-3566	53
1157	High-performance nickel cobalt sulfide materials via low-cost preparation for advanced asymmetric supercapacitors. <b>2016</b> , 6, 42633-42642	23
1156	. <b>2016</b> , 16, 475-482	1
1155	Mesostructured NiO/Ni composites for high-performance electrochemical energy storage. <b>2016</b> , 9, 2053-2060	180
1154	New generation of hybrid carbon/Ni(OH) <sub>2</sub> electrochemical capacitor using functionalized carbon electrode. <b>2016</b> , 326, 702-710	28
1153	Recent progress in the development of anodes for asymmetric supercapacitors. <b>2016</b> , 4, 4634-4658	132
1152	Graphene-containing materials for use in supercapacitors. <b>2016</b> , 303, 176-183	10

1151	An excellent cycle performance of asymmetric supercapacitor based on bristles like $\text{MnO}_2$ nanoparticles grown on multiwalled carbon nanotubes. <b>2016</b> , 309, 212-220	65
1150	Layered- $\text{MnO}_2$ Nanosheet Grown on Nitrogen-Doped Graphene Template as a Composite Cathode for Flexible Solid-State Asymmetric Supercapacitor. <b>2016</b> , 8, 5251-60	168
1149	Graphene-based materials with tailored nanostructures for energy conversion and storage. <b>2016</b> , 102, 1-72	189
1148	Ultrafine nickel/copper carbonate hydroxide hierarchical nanowire networks for high-performance supercapacitor electrodes. <b>2016</b> , 290, 353-360	56
1147	High-performance asymmetric supercapacitors based on cobalt chloride carbonate hydroxide nanowire arrays and activated carbon. <b>2016</b> , 198, 1-9	45
1146	High Performance Supercapacitors from Novel Metal-Doped Ceria-Decorated Aminated Graphene. <b>2016</b> , 120, 3107-3116	67
1145	Fabrication of carbon-coated $\text{NiO}$ supported on graphene for high performance supercapacitors. <b>2016</b> , 6, 14199-14204	32
1144	A high energy density asymmetric supercapacitor based on a $\text{CoNi}$ -layered double hydroxide and activated carbon. <b>2016</b> , 31, 37-45	20
1143	Enhanced rate capability of nanostructured three-dimensional graphene/ $\text{Ni}_3\text{S}_2$ composite for supercapacitor electrode. <b>2016</b> , 42, 9858-9865	31
1142	Outstanding capacitive performance of reticular porous carbon/graphene sheets with superhigh surface area. <b>2016</b> , 190, 923-931	27
1141	Different-layered $\text{Ni}(\text{OH})_2$ nanoflakes/ $3\text{D}$ graphene composites for flexible supercapacitor electrodes. <b>2016</b> , 27, 2741-2747	6
1140	In-situ hydrothermal synthesis of $\text{MnO}_2/\text{NiO}@\text{Ni}$ hetero structure electrode for hydrogen evolution reaction and high energy asymmetric supercapacitor applications. <b>2016</b> , 6, 22-31	43
1139	Facile Synthesis and High Capacitive Performance of $3\text{D}$ Hierarchical $\text{Ni}(\text{OH})_2$ Microspheres. <b>2016</b> , 196, 84-91	38
1138	Introduction of $\text{Co}_3\text{O}_4$ into activated honeycomb-like carbon for the fabrication of high performance electrode materials for supercapacitors. <b>2016</b> , 18, 9124-32	17
1137	Synthesis of Nitrogen-doped Niobium Dioxide and its co-catalytic effect towards the electrocatalysis of oxygen reduction on platinum. <b>2016</b> , 195, 166-174	11
1136	Carbon-Doped Hollow Titania with Tuneable Shell Architecture for Supercapacitors. <b>2016</b> , 69, 183	1
1135	$3\text{D}$ Graphene-Nickel Hydroxide Hydrogel Electrode for High-Performance Supercapacitor. <b>2016</b> , 196, 653-660	75
1134	$\text{MoS}_2/\text{RGO}/\text{Ni}_3\text{S}_2$ Nanocomposite in-situ Grown on $\text{Ni}$ Foam Substrate and Its High Electrochemical Performance. <b>2016</b> , 198, 135-143	36

1133	Design and construction of three-dimensional CuO/polyaniline/rGO ternary hierarchical architectures for high performance supercapacitors. <b>2016</b> , 306, 593-601	75
1132	Synergistic Effects in Nanoengineered HNb3O8/Graphene Hybrids with Improved Photocatalytic Conversion Ability of CO2 into Renewable Fuels. <b>2016</b> , 32, 254-64	32
1131	Ultra-large scale synthesis of Co <sub>3</sub> Ni layered double hydroxides monolayer nanosheets by a solvent-free bottom-up strategy. <b>2016</b> , 662, 315-319	16
1130	Interpenetrating Framework with Three-Dimensionally Ordered Macroporous Carbon Substrates and Well-Dispersed Co <sub>3</sub> O <sub>4</sub> Nanocrystals for Supercapacitor. <b>2016</b> , 163, A417-A426	13
1129	Ultrahigh Voltage Synthesis of 2D Amorphous Nickel-Cobalt Hydroxide Nanosheets on CFP for High Performance Energy Storage Device. <b>2016</b> , 190, 695-702	40
1128	Large-Scale Self-Assembly of 3D Flower-like Hierarchical Ni/Co-LDHs Microspheres for High-Performance Flexible Asymmetric Supercapacitors. <b>2016</b> , 8, 2562-72	178
1127	Flexible all solid state supercapacitor with high energy density employing black titania nanoparticles as a conductive agent. <b>2016</b> , 8, 4054-62	48
1126	Facile synthesis of nickel-foam-based nano-architectural composites as binder-free anodes for high capacity Li-ion batteries. <b>2016</b> , 304, 311-318	15
1125	Assembly of NiO/Ni(OH) <sub>2</sub> /PEDOT Nanocomposites on Contra Wires for Fiber-Shaped Flexible Asymmetric Supercapacitors. <b>2016</b> , 8, 1774-9	123
1124	Ultrathin nanoflakes of cobalt-manganese layered double hydroxide with high reversibility for asymmetric supercapacitor. <b>2016</b> , 306, 526-534	193
1123	Ni nanoparticle doped porous VN nanoflakes assembled into hierarchical hollow microspheres with a structural inheritance from the Ni <sub>1-x</sub> V <sub>x</sub> O <sub>2</sub> cathode material for high performance asymmetric supercapacitors. <b>2016</b> , 4, 2158-2168	40
1122	Electrodeposition of three-dimensional Ni(OH) <sub>2</sub> nanoflakes on partially crystallized activated carbon for high-performance supercapacitors. <b>2016</b> , 20, 619-628	3
1121	N,P-co-doped carbon nanowires prepared from bacterial cellulose for supercapacitor. <b>2016</b> , 51, 2627-2633	62
1120	Electro-exfoliating graphene from graphite for direct fabrication of supercapacitor. <b>2016</b> , 360, 213-223	44
1119	Hierarchical NiMoO <sub>4</sub> nanowire arrays supported on macroporous graphene foam as binder-free 3D anodes for high-performance lithium storage. <b>2016</b> , 18, 908-15	71
1118	Nitrogen-doped porous carbon derived from residuary shaddock peel: a promising and sustainable anode for high energy density asymmetric supercapacitors. <b>2016</b> , 4, 372-378	102
1117	Porous 3D-Nickel hydroxide microflowers for electrochemical supercapacitors. <b>2016</b> , 33, 374-380	14
1116	Construction of efficient counter electrodes for dye-sensitized solar cells: Fe <sub>2</sub> O <sub>3</sub> nanoparticles anchored onto graphene frameworks. <b>2016</b> , 96, 947-954	45

1115	Facile synthesis of NiWO <sub>4</sub> /reduced graphene oxide nanocomposite with excellent capacitive performance for supercapacitors. <b>2016</b> , 654, 23-31	61
1114	Hydrothermal assisted in situ growth of CoSe onto graphene nanosheets as a nanohybrid positive electrode for asymmetric supercapacitors. <b>2017</b> , 7, 5853-5862	94
1113	A phytic acid etched Ni/Fe nanostructure based flexible network as a high-performance wearable hybrid energy storage device. <b>2017</b> , 5, 3274-3283	33
1112	Electrochemical properties of Co(OH) <sub>2</sub> /graphene nano-flake thin film for use as a hybrid supercapacitor. <b>2017</b> , 34, 885-891	40
1111	An Approach To Fabricate PDMS Encapsulated All-Solid-State Advanced Asymmetric Supercapacitor Device with Vertically Aligned Hierarchical Zn-Fe-Co Ternary Oxide Nanowire and Nitrogen Doped Graphene Nanosheet for High Power Device Applications. <b>2017</b> , 9, 5947-5958	56
1110	Ultra-small and low crystalline CoMoO <sub>4</sub> nanorods for electrochemical capacitors. <b>2017</b> , 1, 324-335	39
1109	Synergistic Effect Initiating Ni <sub>1-x</sub> Co <sub>x</sub> MoO <sub>4</sub> ·nH <sub>2</sub> O as Electrodes for High-Energy-Density Asymmetric Supercapacitors. <b>2017</b> , 228, 274-281	11
1108	TiO <sub>2</sub> Nanowire Arrays on Titanium Substrate as a Novel Binder-free Negative Electrode for Asymmetric Supercapacitor. <b>2017</b> , 229, 197-207	42
1107	Assembly of flexible CoMoO <sub>4</sub> @NiMoO <sub>4</sub> ·xH <sub>2</sub> O and FeO electrodes for solid-state asymmetric supercapacitors. <b>2017</b> , 7, 41088	63
1106	Novel Conjugated iron oxide/reduced graphene oxide nanocomposites for high performance electrochemical supercapacitors. <b>2017</b> , 7, 327-335	16
1105	Green synthesis of silver nanoparticle-decorated porous reduced graphene oxide for antibacterial non-enzymatic glucose sensors. <b>2017</b> , 23, 1525-1532	27
1104	Facile synthesis of rod-like manganese molybdate crystallines with two-dimensional nanoflakes for supercapacitor application. <b>2017</b> , 225, 605-613	32
1103	Design of Hierarchical Ni <sub>2</sub> Co@Ni <sub>2</sub> Co Layered Double Hydroxide Core-Shell Structured Nanotube Array for High-Performance Flexible All-Solid-State Battery-Type Supercapacitors. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605307	15.6 230
1102	Hierarchical Co <sub>3</sub> O <sub>4</sub> @Ni(OH) <sub>2</sub> core-shell nanosheet arrays for isolated all-solid state supercapacitor electrodes with superior electrochemical performance. <b>2017</b> , 315, 35-45	202
1101	Synthesis of High Specific Surface Area Co/Ni(OH) <sub>2</sub> by a Self-Template Secondary Growth Method and Its Application as a Cathode Material in the Nickel Metal Hydride Battery. <b>2017</b> , 17, 1258-1263	11
1100	Nanotextured alpha Ni(II)Co(II) hydroxides as supercapacitive active phases. <b>2017</b> , 7, 5595-5600	18
1099	Ni Foam-Ni S @Ni(OH) <sub>2</sub> -Graphene Sandwich Structure Electrode Materials: Facile Synthesis and High Supercapacitor Performance. <b>2017</b> , 23, 4128-4136	33
1098	Enhanced electrochemical activity of perforated graphene in nickel-oxide-based supercapacitors and fabrication of potential asymmetric supercapacitors. <b>2017</b> , 1, 529-539	9

1097	Iron Oxide Nanosheets and Pulse-Electrodeposited Ni-Co-S Nanoflake Arrays for High-Performance Charge Storage. <b>2017</b> , 9, 6967-6978	86
1096	One-Pot Synthesis of FeO Nanoparticle Loaded 3D Porous Graphene Nanocomposites with Enhanced Nanozyme Activity for Glucose Detection. <b>2017</b> , 9, 7465-7471	149
1095	High performance asymmetric supercapacitors with ultrahigh energy density based on hierarchical carbon nanotubes@NiO core-shell nanosheets and defect-introduced graphene sheets with hole structure. <b>2017</b> , 7, 7843-7856	51
1094	A hydrothermally grown CdS nanograin-sensitized 1D Zn:FeO/FTO photoanode for efficient solar-light-driven photoelectrochemical performance. <b>2017</b> , 46, 2377-2386	12
1093	A novel fluffy nanostructured 3D network of Ni(C <sub>7</sub> H <sub>4</sub> O <sub>5</sub> ) for supercapacitors. <b>2017</b> , 230, 141-150	1
1092	Battery-Supercapacitor Hybrid Devices: Recent Progress and Future Prospects. <b>2017</b> , 4, 1600539	912
1091	RuFe alloy mediated Fe <sub>2</sub> O <sub>3</sub> particles on mesoporous carbon nanofibers as electrode materials with superior capacitive performance. <b>2017</b> , 7, 6818-6826	5
1090	A new asymmetric aqueous supercapacitor: Co <sub>3</sub> O <sub>4</sub> //Co <sub>3</sub> O <sub>4</sub> @polypyrrole. <b>2017</b> , 706, 351-357	48
1089	Hybrid energy storage of battery-type nickel hydroxide and supercapacitor-type graphene: redox additive and charge storage mechanism. <b>2017</b> , 1, 275-279	21
1088	High performance asymmetric supercapacitor twisted from carbon fiber/MnO <sub>2</sub> and carbon fiber/MoO <sub>3</sub> . <b>2017</b> , 116, 470-478	181
1087	A Mesoporous High-Performance Supercapacitor Electrode Based on Polypyrrole Wrapped Iron Oxide Decorated Nanostructured Cobalt Vanadium Oxide Hydrate with Enhanced Electrochemical Capacitance. <b>2017</b> , 56, 2444-2457	32
1086	Facile synthesis of iron-doped hollow urchin-like MnO <sub>2</sub> for supercapacitors. <b>2017</b> , 52, 4852-4865	29
1085	Polyaniline/Ni(OH) <sub>2</sub> /iron oxide-doped reduced graphene oxide-based hybrid electrode material. <b>2017</b> , 47, 531-546	12
1084	Enhanced electrochemical performance of porous activated carbon by forming composite with graphene as high-performance supercapacitor electrode material. <b>2017</b> , 19, 1	13
1083	From Ni(OH) <sub>2</sub> /Graphene composite to Ni@Graphene core-shell: A self-catalyzed epitaxial growth and enhanced activity for nitrophenol reduction. <b>2017</b> , 117, 192-200	15
1082	Hair-based flexible knittable supercapacitor with wide operating voltage and ultra-high rate capability. <b>2017</b> , 34, 491-499	49
1081	Asymmetric Supercapacitor Electrodes and Devices. <b>2017</b> , 29, 1605336	600
1080	Three-dimensional porous ZnCo <sub>2</sub> O <sub>4</sub> sheet array coated with Ni(OH) <sub>2</sub> for high-performance asymmetric supercapacitor. <b>2017</b> , 497, 50-56	48

1079	MnO <sub>2</sub> nanoflowers and polyaniline nanoribbons grown on hybrid graphene/Ni 3D scaffolds by in situ electrochemical techniques for high-performance asymmetric supercapacitors. <b>2017</b> , 5, 4629-4637	50
1078	Trash to Treasure: Waste Eggshells as Chemical Reactors for the Synthesis of Amorphous Co(OH) Nanorod Arrays on Various Substrates for Applications in Rechargeable Alkaline Batteries and Electrocatalysis. <b>2017</b> , 9, 5244-5253	23
1077	Facile synthesis of Mn <sub>3</sub> O <sub>4</sub> /double-walled carbon nanotube nanocomposites and its excellent supercapacitive behavior. <b>2017</b> , 230, 350-357	26
1076	Microwave-assisted binder-free synthesis of 3D Ni-Co-Mn oxide nanoflakes@Ni foam electrode for supercapacitor applications. <b>2017</b> , 316, 1091-1102	69
1075	Facile synthesis of core-shell nanostructured hollow carbon nanospheres@nickel cobalt double hydroxides as high-performance electrode materials for supercapacitors. <b>2017</b> , 46, 3276-3283	60
1074	Sulfonated graphene oxide and its nanocomposites with electroactive conjugated polymer as effective pseudocapacitor electrode materials. <b>2017</b> , 497, 258-265	37
1073	Low-crystalline iron oxide hydroxide nanoparticle anode for high-performance supercapacitors. <b>2017</b> , 8, 14264	452
1072	Controlled synthesis of perovskite lanthanum ferrite nanotubes with excellent electrochemical properties. <b>2017</b> , 7, 12931-12937	41
1071	Homogeneous deposition of Ni(OH) <sub>2</sub> onto cellulose-derived carbon aerogels for low-cost energy storage electrodes. <b>2017</b> , 7, 10583-10591	9
1070	High-stable β-phase NiCo double hydroxide microspheres via microwave synthesis for supercapacitor electrode materials. <b>2017</b> , 316, 277-287	92
1069	Controllable synthesis of Mn <sub>3</sub> O <sub>4</sub> nanodots@nitrogen-doped graphene and its application for high energy density supercapacitors. <b>2017</b> , 5, 5523-5531	47
1068	One-pot hydrothermal synthesis of flower-like β-Ni(OH) <sub>2</sub> encapsulated by reduced graphene oxide for high-performance supercapacitors. <b>2017</b> , 711, 643-651	25
1067	Enhancing performance of sandwich-like cobalt sulfide and carbon for quasi-solid-state hybrid electrochemical capacitors. <b>2017</b> , 5, 8981-8988	26
1066	Pollen-inspired synthesis of porous and hollow NiO elliptical microstructures assembled from nanosheets for high-performance electrochemical energy storage. <b>2017</b> , 321, 546-553	33
1065	Conductive silver nanowires-fenced carbon cloth fibers-supported layered double hydroxide nanosheets as a flexible and binder-free electrode for high-performance asymmetric supercapacitors. <b>2017</b> , 36, 58-67	222
1064	Carbon-based supercapacitors for efficient energy storage. <b>2017</b> , 4, 453-489	409
1063	Highly exposed nickel cobalt sulfide@GO nanoporous structures: an advanced energy-storage electrode material. <b>2017</b> , 5, 9991-9997	40
1062	High energy density transparent and flexible asymmetric supercapacitor based on a transparent metal hydroxides@graphene micro-structured film via a scalable gas-liquid diffusion method. <b>2017</b> , 712, 194-203	16



1061	Redox-Additive-Enhanced High Capacitance Supercapacitors Based on Co <sub>2</sub> P <sub>2</sub> O <sub>7</sub> Nanosheets. <b>2017</b> , 4, 1700059	61
1060	Development of 3D Urchin-Shaped Coaxial Manganese Dioxide@Polyaniline (MnO@PANI) Composite and Self-Assembled 3D Pillared Graphene Foam for Asymmetric All-Solid-State Flexible Supercapacitor Application. <b>2017</b> , 9, 15350-15363	121
1059	Morphology controlled synthesis of MnCO <sub>3</sub> @GO materials and their supercapacitor applications. <b>2017</b> , 5, 12863-12872	30
1058	Three-dimensional ZnFe <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> hierarchical core/shell nanosheet arrays as high-performance battery-type electrode materials. <b>2017</b> , 720, 86-94	14
1057	Boosting Supercapacitor Performance of TiO <sub>2</sub> Nanobelts by Efficient Nitrogen Doping. <b>2017</b> , 4, 2328-2335	9
1056	Quasi-solid-state flexible asymmetric supercapacitor based on ferroferric oxide nanoparticles on porous silicon carbide with redox-active p -nitroaniline gel electrolyte. <b>2017</b> , 324, 93-103	25
1055	Two-dimensional MXenes for energy storage and conversion applications. <b>2017</b> , 5, 22-36	75
1054	High-Performance Aqueous Rechargeable Li-Ni Battery Based on Ni(OH) <sub>2</sub> /NiOOH Redox Couple with High Voltage. <b>2017</b> , 7, 1700155	30
1053	Formation of g-CN@Ni(OH) <sub>2</sub> Honeycomb Nanostructure and Asymmetric Supercapacitor with High Energy and Power Density. <b>2017</b> , 9, 17890-17896	138
1052	Substrate-Friendly Growth of Large-Sized Ni(OH) <sub>2</sub> Nanosheets for Flexible Electrochromic Films. <b>2017</b> , 13, 1700084	30
1051	Hierarchical Ni(OH) <sub>2</sub> Composed of Ultrathin Nanosheets with Controlled Interlayer Distances and Their Enhanced Catalytic Performance. <b>2017</b> , 9, 20476-20483	19
1050	Hybrid Energy Storage of Ni(OH) <sub>2</sub> -coated N-doped Graphene Aerogel//N-doped Graphene Aerogel for the Replacement of NiCd and NiMH Batteries. <b>2017</b> , 7, 1124	29
1049	Porous carbon nanosheets from coal tar for high-performance supercapacitors. <b>2017</b> , 357, 41-46	126
1048	High Performance Lithium-Ion Hybrid Capacitors Employing FeO-Graphene Composite Anode and Activated Carbon Cathode. <b>2017</b> , 9, 17136-17144	130
1047	Self-Assembled Three-Dimensional Macroporous Co <sub>2</sub> (OH) <sub>3</sub> Cl-MnO <sub>2</sub> Spheres Synthesized by Microwave-Assisted Method: A New Hybrid for High-Performance Asymmetric Supercapacitors. <b>2017</b> , 5, 4563-4572	13
1046	Monocrystalline NiS nanowire arrays supported by Ni foam as binder-free electrodes with outstanding performances. <b>2017</b> , 7, 22553-22557	21
1045	Nanosheet-assembled NiS hollow structures with double shells and controlled shapes for high-performance supercapacitors. <b>2017</b> , 323, 415-424	58
1044	. <b>2017</b> , 24, 749-756	9

1043	Flexible high-energy asymmetric supercapacitors based on MnO@C composite nanosheet electrodes. <b>2017</b> , 5, 804-813	42
1042	A high-energy, long cycle-life hybrid supercapacitor based on graphene composite electrodes. <b>2017</b> , 7, 32-39	124
1041	Co(OH) <sub>2</sub> nanoparticles deposited on reduced graphene oxide nanoflake as a suitable electrode material for supercapacitor and oxygen evolution reaction in alkaline media. <b>2017</b> , 42, 16538-16546	30
1040	High Performing Hybrid Nanomaterials for Supercapacitor Applications. <b>2017</b> , 79-145	2
1039	Electrophoretic Deposition of Ni(OH) <sub>2</sub> Nanoplatelets Modified by Polyelectrolyte Multilayers: Study of the Coatings Formation in a Laminar Flow Cell. <b>2017</b> , 164, D436-D444	4
1038	Hierarchical core-shell CoMnO@MnO nanoneedle arrays for high-performance supercapacitors. <b>2017</b> , 46, 7451-7456	28
1037	Fully Biodegradable Microsupercapacitor for Power Storage in Transient Electronics. <b>2017</b> , 7, 1700157	145
1036	Carbon quantum dot-induced self-assembly of ultrathin Ni(OH) <sub>2</sub> nanosheets: A facile method for fabricating three-dimensional porous hierarchical composite micro-nanostructures with excellent supercapacitor performance. <b>2017</b> , 10, 3005-3017	58
1035	Core-shell NiCo <sub>2</sub> S <sub>4</sub> @MnMoO <sub>4</sub> as an Advanced Electrode Material for High-performance Electrochemical Energy Storage. <b>2017</b> , 4, 2634-2642	13
1034	Electrochemical performance of 3D porous Ni-Co oxide with electrochemically exfoliated graphene for asymmetric supercapacitor applications. <b>2017</b> , 246, 680-688	20
1033	Nano-sheet-like KNiPO <sub>4</sub> as a positive electrode material for aqueous hybrid supercapacitors. <b>2017</b> , 246, 963-970	11
1032	Controllable synthesis of nickel bicarbonate nanocrystals with high homogeneity for a high-performance supercapacitor. <b>2017</b> , 28, 345401	5
1031	Facile Synthesis ZnS/ZnO/Ni(OH) <sub>2</sub> Composites Grown on Ni Foam: A Bifunctional Materials for Photocatalysts and Supercapacitors. <b>2017</b> , 7, 3021	30
1030	Co(OH) <sub>2</sub> Nanosheets: A Superior Pseudocapacitive Electrode for High-Energy Supercapacitors. <b>2017</b> , 12, 2127-2133	30
1029	Interconnected Ni-Co sulfide nanosheet arrays grown on nickel foam as binder-free electrodes for supercapacitors with high areal capacitance. <b>2017</b> , 721, 205-212	18
1028	Model-assisted development of microfabricated 3D Ni(OH) <sub>2</sub> electrodes with rapid charging capabilities. <b>2017</b> , 358, 101-111	5
1027	Investigation of graphene oxide nanogel and carbon nanorods as electrode for electrochemical supercapacitor. <b>2017</b> , 245, 268-278	26
1026	Fabrication of Amorphous Mesoporous Ni(OH) <sub>2</sub> Hollow Spheres with Waxberry-Like Morphology for Supercapacitor Electrodes. <b>2017</b> , 4, 2314-2320	8

1025	O 2 2- /O - functionalized oxygen-deficient Co 3 O 4 nanorods as high performance supercapacitor electrodes and electrocatalysts towards water splitting. <b>2017</b> , 38, 155-166	234
1024	Graphene nanopetal wire supercapacitors with high energy density and thermal durability. <b>2017</b> , 38, 127-136	52
1023	A superhydrophilic BanogluE for stabilizing metal hydroxides onto carbon materials for high-energy and ultralong-life asymmetric supercapacitors. <b>2017</b> , 10, 1958-1965	228
1022	Balanced mesoporous nickle cobaltite-graphene and doped carbon electrodes for high-performance asymmetric supercapacitor. <b>2017</b> , 326, 401-410	26
1021	Hierarchical mesoporous network of amorphous Ni(OH)2 for high performance supercapacitor electrode material synthesized from a novel solvent deficient approach. <b>2017</b> , 245, 780-790	30
1020	Three-dimensional cross-linked Polyaniline fiber/N-doped porous carbon with enhanced electrochemical performance for high-performance supercapacitor. <b>2017</b> , 359, 285-294	72
1019	Ni Foam-Supported Carbon-Sheathed NiMoO4 Nanowires as Integrated Electrode for High-Performance Hybrid Supercapacitors. <b>2017</b> , 5, 5964-5971	54
1018	Facile synthesis of NiAl layered double hydroxide nanoplates for high-performance asymmetric supercapacitor. <b>2017</b> , 721, 803-812	55
1017	Spatial Charge Storage within Honeycomb-Carbon Frameworks for Ultrafast Supercapacitors with High Energy and Power Densities. <b>2017</b> , 7, 1700668	80
1016	New class of two-dimensional bimetallic nanoplatelets for high energy density and electrochemically stable hybrid supercapacitors. <b>2017</b> , 10, 3018-3034	12
1015	Direct synthesis of graphene/carbon nanotube hybrid films from multiwalled carbon nanotubes on copper. <b>2017</b> , 118, 675-679	11
1014	Low-cost synthesis and electrochemical characteristics of ternary Cu-Co sulfides for high performance full-cell asymmetric supercapacitors. <b>2017</b> , 91, 68-76	21
1013	Hierarchical NiCoS@NiFe LDH Heterostructures Supported on Nickel Foam for Enhanced Overall-Water-Splitting Activity. <b>2017</b> , 9, 15364-15372	319
1012	Mn3O4/reduced graphene oxide nanocomposite electrodes with tailored morphology for high power supercapacitor applications. <b>2017</b> , 236, 424-433	48
1011	Vertically Oriented and Interpenetrating CuSe Nanosheet Films with Open Channels for Flexible All-Solid-State Supercapacitors. <b>2017</b> , 2, 1089-1096	31
1010	Composition-Dependent Pseudocapacitive Properties of Self-Supported Nickel-Based Nanobelts. <b>2017</b> , 121, 7101-7107	15
1009	High performance flexible asymmetric CNO-ZnO//ZnO supercapacitor with an operating voltage of 1.8 V in aqueous medium. <b>2017</b> , 7, 212-221	31
1008	Structurally stable hollow mesoporous graphitized carbon nanofibers embedded with NiMoO 4 nanoparticles for high performance asymmetric supercapacitors. <b>2017</b> , 238, 337-348	60

1007	A binder-free wet chemical synthesis approach to decorate nanoflowers of bismuth oxide on Ni-foam for fabricating laboratory scale potential pencil-type asymmetric supercapacitor device. <b>2017</b> , 46, 6601-6611	68
1006	Filling and unfilling carbon capsules with transition metal oxide nanoparticles for Li-ion hybrid supercapacitors: towards hundred grade energy density. <b>2017</b> , 60, 217-227	16
1005	High rate capability and long cycle-life of nickel oxide membrane electrode incorporated with nickel and coated with carbon layer via in-situ supporting of engineering plastic for energy storage application. <b>2017</b> , 710, 72-79	7
1004	A p-nitroaniline redox-active solid-state electrolyte for battery-like electrochemical capacitive energy storage combined with an asymmetric supercapacitor based on metal oxide functionalized Epolytype porous silicon carbide electrodes. <b>2017</b> , 46, 6588-6600	14
1003	Experimental and theoretical insights into sustained water splitting with an electrodeposited nanoporous nickel hydroxide@nickel film as an electrocatalyst. <b>2017</b> , 5, 7744-7748	61
1002	SURFACEINTERFACE REACTION OF SUPERCAPACITOR ELECTRODE MATERIALS. <b>2017</b> , 24, 1730005	10
1001	Phosphate Ion Functionalized Co O Ultrathin Nanosheets with Greatly Improved Surface Reactivity for High Performance Pseudocapacitors. <b>2017</b> , 29, 1604167	443
1000	Enhanced Structural Stability of Nickel-Cobalt Hydroxide via Intrinsic Pillar Effect of Metaborate for High-Power and Long-Life Supercapacitor Electrodes. <b>2017</b> , 17, 429-436	196
999	Differences in the effects of aluminum/ytterbium/cobalt on the structural stability and electrochemical properties of nickel hydroxide. <b>2017</b> , 86, 257-267	6
998	Serpent-cactus-like Co-doped Ni(OH) <sub>2</sub> /Ni <sub>3</sub> S <sub>2</sub> hierarchical structure composed of ultrathin nanosheets for use in efficient asymmetric supercapacitors. <b>2017</b> , 5, 1603-1613	81
997	Stabilized Octahedral Frameworks in Layered Double Hydroxides by Solid-Solution Mixing of Transition Metals. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605225	15.6 42
996	Facile dip coating processed 3D MnO <sub>2</sub> -graphene nanosheets/MWNT-Ni foam composites for electrochemical supercapacitors. <b>2017</b> , 226, 29-39	35
995	A successive ionic layer adsorption and reaction (SILAR) method to fabricate a layer-by-layer (LbL) MnO <sub>2</sub> -reduced graphene oxide assembly for supercapacitor application. <b>2017</b> , 340, 380-392	43
994	Self-assembling Ni(OH) <sub>2</sub> /FeO composites for pseudocapacitors with excellent electrochemical performance. <b>2017</b> , 28, 045603	6
993	Morphology-Modulated Mesoporous CuO Electrodes for Efficient Interfacial Contact in Nonenzymatic Glucose Sensors and High-Performance Supercapacitors. <b>2017</b> , 164, B40-B47	5
992	Layer-structured nanohybrid MoS <sub>2</sub> @rGO on 3D nickel foam for high performance energy storage applications. <b>2017</b> , 41, 1473-1482	47
991	High-energy, flexible micro-supercapacitors by one-step laser fabrication of a self-generated nanoporous metal/oxide electrode. <b>2017</b> , 5, 24585-24593	58
990	Electrodeposited NiSe <sub>2</sub> on carbon fiber cloth as a flexible electrode for high-performance supercapacitors. <b>2017</b> , 26, 1252-1259	59

989	Performance evaluation of asymmetric supercapacitor based on Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> -paper. <b>2017</b> , 729, 1165-1171	15
988	Fabrication of Nanoporous Nickel-Iron Hydroxylphosphate Composite as Bifunctional and Reversible Catalyst for Highly Efficient Intermittent Water Splitting. <b>2017</b> , 9, 35837-35846	60
987	Rational Design of Sandwiched Ni <sub>2</sub> Co Layered Double Hydroxides Hollow Nanocages/Graphene Derived from Metal-Organic Framework for Sustainable Energy Storage. <b>2017</b> , 5, 9923-9934	59
986	High-performance supercapacitors of Cu-based porous coordination polymer nanowires and the derived porous CuO nanotubes. <b>2017</b> , 46, 16821-16827	12
985	Enabling high-volumetric-energy-density supercapacitors: designing open, low-tortuosity heteroatom-doped porous carbon-tube bundle electrodes. <b>2017</b> , 5, 23085-23093	134
984	Porous nanosheet network architecture of CoP@Ni(OH) <sub>2</sub> composites for high performance supercapacitors. <b>2017</b> , 258, 266-273	30
983	High-Performance Supercapacitor Afforded by a High-Connected Keggin-Based 3D Coordination Polymer. <b>2017</b> , 2017, 5350-5355	27
982	Fabrication of an advanced asymmetric supercapacitor based on a microcubical PB@MnO <sub>2</sub> hybrid and PANI/GNP composite with excellent electrochemical behaviour. <b>2017</b> , 5, 22242-22254	62
981	N-doped carbon-coated TiN exhibiting excellent electrochemical performance for supercapacitors. <b>2017</b> , 257, 56-63	32
980	Cobalt hexacyanoferrate nanoparticles and MoO <sub>3</sub> thin films grown on carbon fiber cloth for efficient flexible hybrid supercapacitor. <b>2017</b> , 370, 98-105	39
979	Dissected carbon nanotubes functionalized by 1-hydroxyanthraquinone for high-performance asymmetric supercapacitors. <b>2017</b> , 7, 48341-48353	11
978	Improving the symmetry of asymmetric supercapacitors using battery-type positive electrodes and activated carbon negative electrodes by mass and charge balance. <b>2017</b> , 805, 126-132	39
977	Facile synthesis of high-performance Ni(OH) <sub>2</sub> /expanded graphite electrodes for asymmetric supercapacitors. <b>2017</b> , 28, 18022-18030	13
976	Formation of Dandelion-Like Co <sub>3</sub> O <sub>4</sub> /CoWO <sub>4</sub> Heterojunctions for Enhanced Supercapacitive Performance. <b>2017</b> , 4, 3011-3017	13
975	Ultrathin petal-like NiAl layered double oxide/sulfide composites as an advanced electrode for high-performance asymmetric supercapacitors. <b>2017</b> , 5, 19687-19696	98
974	Fast charge rate supercapacitors based on nitrogen-doped aligned carbon nanosheet networks. <b>2017</b> , 251, 91-98	20
973	Cobalt Doping To Boost the Electrochemical Properties of Ni@Ni S Nanowire Films for High-Performance Supercapacitors. <b>2017</b> , 10, 4056-4065	51
972	Highly Concentrated, Ultrathin Nickel Hydroxide Nanosheet Ink for Wearable Energy Storage Devices. <b>2017</b> , 29, 1703455	46

971	Subnanometric Hybrid Pd-M(OH) <sub>2</sub> , M = Ni, Co, Clusters in Zeolites as Highly Efficient Nanocatalysts for Hydrogen Generation. <b>2017</b> , 3, 477-493	148
970	Energy and environmental applications of ultrasonically sulfur doped copper-nickel hydroxides with heterostructures. <b>2017</b> , 729, 126-136	14
969	Fast charging self-powered wearable and flexible asymmetric supercapacitor power cell with fish swim bladder as an efficient natural bio-piezoelectric separator. <b>2017</b> , 40, 633-645	65
968	Recent progress in layered double hydroxide based materials for electrochemical capacitors: design, synthesis and performance. <b>2017</b> , 9, 15206-15225	107
967	All-solid-state asymmetric supercapacitors based on Fe-doped mesoporous CoO and three-dimensional reduced graphene oxide electrodes with high energy and power densities. <b>2017</b> , 9, 15423-15433	66
966	Enhancement of electrochemical performance of nickel cobalt layered double hydroxide@nickel foam with potassium ferricyanide auxiliary electrolyte. <b>2017</b> , 140, 901-911	41
965	Self-assembled 3D hierarchical nanostructure of reduced GO nanosheets intercalated with CDs for high-rate supercapacitor electrodes. <b>2017</b> , 727, 991-997	6
964	High-performance asymmetric supercapacitor with ultrahigh energy density based on hierarchical graphene sheets@NiO core-shell nanosheets and 3D drilled graphene sheets hydrogel. <b>2017</b> , 727, 1189-1202	11
963	Synthesis of nano-Ni(OH) <sub>2</sub> /porous carbon composite as superior cathode materials for alkaline power batteries. <b>2017</b> , 252, 558-567	14
962	Two-Step Deposition/Reduction Synthesis of Porous Lamellar Ni(OH) <sub>2</sub> /Reduced Graphene Oxide Composites with Large Capacitance for Supercapacitors. <b>2017</b> , 4, 2826-2834	11
961	Highly Nanoporous Nickel Cobaltite Hexagonal Nanostructure-Graphene Composites for the Next Generation Energy Storage/Conversion Devices. <b>2017</b> , 4, 1700219	8
960	Novel Core-Shell Fe <sub>3</sub> O <sub>4</sub> /Ni(OH) <sub>2</sub> Hierarchical Nanostructure for All-Solid-State Flexible Supercapacitors with Enhanced Performance. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1701014	15.6 90
959	Hierarchical Ni-Co layered double hydroxide nanosheets on functionalized 3D-RGO films for high energy density asymmetric supercapacitor. <b>2017</b> , 426, 148-159	59
958	Nickel hydroxide nanoplatelets via dendrimer-assisted growth on graphene for high-performance energy-storage applications. <b>2017</b> , 248, 313-321	9
957	Hierarchical CoMn-layered double hydroxide nanowires on nickel foam as electrode material for high-capacitance supercapacitor. <b>2017</b> , 729, 866-873	38
956	Ultrathin Ni-Al layered double hydroxide nanosheets with enhanced supercapacitor performance. <b>2017</b> , 43, 14395-14400	45
955	Mn <sub>3</sub> O <sub>4</sub> /Ni(OH) <sub>2</sub> nanocomposite as an applicable electrode material for pseudocapacitors. <b>2017</b> , 249, 155-165	28
954	Cobalt terephthalate MOF-templated synthesis of porous nano-crystalline Co <sub>3</sub> O <sub>4</sub> by the new indirect solid state thermolysis as cathode material of asymmetric supercapacitor. <b>2017</b> , 94, 158-166	39

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950	Facile synthesis of truncated cube-like NiSe <sub>2</sub> single crystals for high-performance asymmetric supercapacitors. <b>2017</b> , 330, 1334-1341	95
949	Roe-shaped Ni <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> /RGO/Co <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> (NRC) nanocomposite grown in situ on Co foam for superior supercapacitors. <b>2017</b> , 5, 18594-18602	40
948	Structurally Stable Mesoporous Hierarchical NiMoO <sub>4</sub> Hollow Nanofibers for Asymmetric Supercapacitors with Enhanced Capacity and Improved Cycling Stability. <b>2017</b> , 4, 3331-3339	23
947	Electrode configuration optimization of capacitive deionization cells based on zero charge potential of the electrodes. <b>2017</b> , 189, 467-474	24
946	High-Stacking-Density, Superior-Roughness LDH Bridged with Vertically Aligned Graphene for High-Performance Asymmetric Supercapacitors. <b>2017</b> , 13, 1701288	56
945	Graphene-Polymer//Graphene-Manganese Oxide Nanocomposites-Based Asymmetric High Energy Supercapacitor with 1.8 V Cell Voltage in Aqueous Solution. <b>2017</b> , 2, 10754-10761	15
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942	NiCoS nanosheet-decorated 3D, porous Ni film@Ni wire electrode materials for all solid-state asymmetric supercapacitor applications. <b>2017</b> , 9, 18819-18834	84
941	CoCO from one-step micro-emulsion method as electrode materials for Faradaic capacitors. <b>2017</b> , 7, 2026	9
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933	Hierarchical flower-like C/NiO composite hollow microspheres and its excellent supercapacitor performance. <b>2017</b> , 359, 371-378	127
932	Electrodeposited Ni(OH) <sub>2</sub> nanostructures on electro-etched carbon fiber paper for highly stable supercapacitors. <b>2017</b> , 14, 419-425	14
931	High performance asymmetric supercapacitor based on molybdenum disulphide/graphene foam and activated carbon from expanded graphite. <b>2017</b> , 488, 155-165	71
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927	Interconnected Co <sub>0.85</sub> Se nanosheets as cathode materials for asymmetric supercapacitors. <b>2017</b> , 340, 6-13	95
926	Gas sensing study of hydrothermal reflux synthesized NiO/graphene foam electrode for CO sensing. <b>2017</b> , 52, 2035-2044	17
925	Ni <sub>3</sub> S <sub>2</sub> @polypyrrole composite supported on nickel foam with improved rate capability and cycling durability for asymmetric supercapacitor device applications. <b>2017</b> , 52, 3642-3656	36
924	3D hierarchical dandelion-like NiCo <sub>2</sub> O <sub>4</sub> /N-doped carbon/Ni foam for an effective binder-free supercapacitor electrode. <b>2017</b> , 186, 280-285	11
923	Polystyrene foam derived nitrogen-enriched porous carbon/graphene composites with high volumetric capacitances for aqueous supercapacitors. <b>2017</b> , 239, 130-137	31
922	Nanoparticles-assembled NiO nanosheets templated by graphene oxide film for highly sensitive non-enzymatic glucose sensing. <b>2017</b> , 238, 788-794	65
921	KOH activated carbon derived from biomass-banana fibers as an efficient negative electrode in high performance asymmetric supercapacitor. <b>2017</b> , 26, 56-62	44
920	Nickel hydroxide nanosheets supported on reduced graphene oxide for high-performance supercapacitors. <b>2017</b> , 691, 144-150	50
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917	Highly dispersed ultrasmall Ni(OH) aggregated particles on a conductive support as a supercapacitor electrode with superior performance. <b>2017</b> , 490, 252-258	25
916	Interfacial Deposition of Three-Dimensional Nickel Hydroxide Nanosheet-Graphene Aerogel on Ni Wire for Flexible Fiber Asymmetric Supercapacitors. <b>2017</b> , 5, 821-827	43
915	One-step synthesis of surface-enriched nickel cobalt sulfide nanoparticles on graphene for high-performance supercapacitors. <b>2017</b> , 6, 180-187	73
914	Surface-Charge-Mediated Formation of H-TiO @Ni(OH) Heterostructures for High-Performance Supercapacitors. <b>2017</b> , 29, 1604164	169
913	Structure models and nano energy system design for proton exchange membrane fuel cells in electric energy vehicles. <b>2017</b> , 67, 160-172	35
912	On-chip integrated vertically aligned carbon nanotube based super- and pseudocapacitors. <b>2017</b> , 7, 16594	26
911	High Density Arrayed Ni/NiO Core-shell Nanospheres Evenly Distributed on Graphene for Ultrahigh Performance Supercapacitor. <b>2017</b> , 7, 17709	50
910	In situ fabrication of nickel based oxide on nitrogen-doped graphene for high electrochemical performance supercapacitors. <b>2017</b> , 685, 457-464	12
909	A Highly Flexible Supercapacitor Based on MnO <sub>2</sub> /RGO Nanosheets and Bacterial Cellulose-Filled Gel Electrolyte. <b>2017</b> , 10,	32
908	Capacitive and Pseudocapacitive Electrodes for Electrochemical Capacitors and Hybrid Devices. <b>2017</b> , 1-24	2
907	Recent development on carbon based heterostructures for their applications in energy and environment: A review. <b>2018</b> , 64, 16-59	109
906	An efficient hybrid supercapacitor based on battery-type MnS/reduced graphene oxide and capacitor-type biomass derived activated carbon. <b>2018</b> , 29, 8410-8420	9
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904	A facile strategy for fabricating hierarchical nanocomposites of V <sub>2</sub> O <sub>5</sub> nanowire arrays on a three-dimensional N-doped graphene aerogel with a synergistic effect for supercapacitors. <b>2018</b> , 6, 9938-9947 <sup>62</sup>	62
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902	Controlled growth of ultrathin NiMoO <sub>4</sub> nanosheets on carbon nanofiber membrane as advanced electrodes for asymmetric supercapacitors. <b>2018</b> , 753, 176-185	31
901	Ensemble Effect of Ni in Bimetallic PtNi on Reduced Graphene Oxide Support for Temperature-Dependent Formic Acid Oxidation. <b>2018</b> , 3, 3909-3917	5
900	Ultrahigh energy density battery-type asymmetric supercapacitors: NiMoO <sub>4</sub> nanorod-decorated graphene and graphene/Fe <sub>2</sub> O <sub>3</sub> quantum dots. <b>2018</b> , 11, 4744-4758	63

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898	Design of graphitic carbon nitride nanowires with captured mesoporous carbon spheres for EDLC electrode materials. <b>2018</b> , 24, 3957-3965	15
897	The mixed potential type gas sensor based on stabilized zirconia and molybdate $\text{MMoO}_4$ (M: Ni, Co and Zn) sensing electrode aiming at detecting triethylamine. <b>2018</b> , 267, 430-437	20
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893	Solvothermal synthesis of pompon-like nickel-cobalt hydroxide/graphene oxide composite for high-performance supercapacitor application. <b>2018</b> , 549, 76-85	25
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889	One-pot synthesis of nickel-cobalt hydroxyfluorides nanowires with ultrahigh energy density for an asymmetric supercapacitor. <b>2018</b> , 63, 322-330	12
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886	High-performance free-standing capacitor electrodes of multilayered $\text{Co}_9\text{S}_8$ plates wrapped by carbonized poly(3,4-ethylenedioxythiophene):poly(styrene sulfonate)/reduced graphene oxide. <b>2018</b> , 379, 167-173	50
885	Towards flexible solid-state supercapacitors for smart and wearable electronics. <b>2018</b> , 47, 2065-2129	936
884	Advanced binder-free electrode based on core-shell nanostructures of mesoporous $\text{Co}_3\text{V}_2\text{O}_8$ - $\text{Ni}_3\text{V}_2\text{O}_8$ thin layers@porous carbon nanofibers for high-performance and flexible all-solid-state supercapacitors. <b>2018</b> , 341, 10-26	74
883	Low-temperature synthesized nanocomposites with amorphous $\text{FeOOH}$ on $\text{Ti}_3\text{C}_2\text{T}_x$ for supercapacitors. <b>2018</b> , 744, 507-515	20
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881	Microwave synthesis of three dimensional N-doped graphene self-supporting networks coated with Zinc/Nickel oxide nanocrystals for supercapacitor electrode applications. <b>2018</b> , 29, 6991-7001	11
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869	Rational Design of Nickel Hydroxide-Based Nanocrystals on Graphene for Ultrafast Energy Storage. <b>2018</b> , 8, 1702247	172
868	General Synthesis and Lithium Storage Properties of Metal Oxides/MnO2 Hierarchical Hollow Hybrid Spheres. <b>2018</b> , 35, 1700336	4
867	Reverse microemulsion synthesis of nickel-cobalt hexacyanoferrate/reduced graphene oxide nanocomposites for high-performance supercapacitors and sodium ion batteries. <b>2018</b> , 434, 1285-1292	56
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844	Advanced Supercapacitors Based on $\text{Ni(OH)}_2$ Nanoplates/Graphene Composite Electrodes with High Energy and Power Density. <b>2018</b> , 1, 1496-1505	18
843	CoO nanowire@NiO nanosheet arrays for high performance asymmetric supercapacitors. <b>2018</b> , 47, 5687-5694	55
842	One-Pot Hydrothermal Synthesis of Porous $\text{Ni(OH)}_2/\text{C}$ Composites and Its Application in Ni/Zn Alkaline Rechargeable Battery. <b>2018</b> , 165, A910-A917	36
841	Nitrogen-Enriched Nanoporous Polytriazine for High-Performance Supercapacitor Application. <b>2018</b> , 6, 5895-5902	33
840	A review on the heterostructure nanomaterials for supercapacitor application. <b>2018</b> , 17, 181-202	71
839	High-performance pouch-type hybrid supercapacitor based on hierarchical NiO-Co <sub>3</sub> O <sub>4</sub> -NiO composite nanoarchitectures as an advanced electrode material. <b>2018</b> , 48, 81-92	196
838	Direct growth of 2D nickel hydroxide nanosheets intercalated with polyoxovanadate anions as a binder-free supercapacitor electrode. <b>2018</b> , 10, 8953-8961	57
837	In Situ Grown Iron Oxides on Carbon Nanofibers as Freestanding Anodes in Aqueous Supercapacitors. <b>2018</b> , 20, 1701116	29
836	Polymorphous Supercapacitors Constructed from Flexible Three-Dimensional Carbon Network/Polyaniline/MnO Composite Textiles. <b>2018</b> , 10, 10851-10859	54
835	Facile synthesis of 3D MnNi-layered double hydroxides (LDH)/graphene composites from directly graphites for pseudocapacitor and their electrochemical analysis. <b>2018</b> , 429, 196-202	29
834	Facile growth of homogeneous $\text{Ni(OH)}_2$ coating on carbon nanosheets for high-performance asymmetric supercapacitor applications. <b>2018</b> , 11, 216-224	111
833	Synthesis of layered $\text{Ni(OH)}_2/\text{RGO}$ composites by exfoliation of $\text{Ni(OH)}_2$ for high-performance asymmetric supercapacitors. <b>2018</b> , 204, 18-26	19
832	MOF-derived hollow double-shelled NiO nanospheres for high-performance supercapacitors. <b>2018</b> , 734, 1-8	101
831	Hydrothermal growth of 3D graphene on nickel foam as a substrate of nickel-cobalt-sulfur for high-performance supercapacitors. <b>2018</b> , 732, 613-623	28
830	A non-polarity flexible asymmetric supercapacitor with nickel nanoparticle@ carbon nanotube three-dimensional network electrodes. <b>2018</b> , 11, 75-82	62
829	Synthesis of hollow NiCoO nanospheres with large specific surface area for asymmetric supercapacitors. <b>2018</b> , 511, 456-462	118
828	One-step synthesis of PEDOT-PSS/TiO <sub>2</sub> by peroxotitanium acid: a highly stable electrode for a supercapacitor. <b>2018</b> , 24, 1475-1485	12

827	Activated pyrene decorated graphene with enhanced performance for electrochemical energy storage. <b>2018</b> , 334, 845-854		32
826	Recent advances of graphene-based materials for high-performance and new-concept supercapacitors. <b>2018</b> , 27, 25-42		95
825	High-performance cobalt carbonate hydroxide nano-dot/NiCo(CO <sub>3</sub> )(OH) <sub>2</sub> electrode for asymmetric supercapacitors. <b>2018</b> , 433, 16-26		63
824	Size-dependent nonlinear vibration of beam-type porous materials with an initial geometrical curvature. <b>2018</b> , 184, 1177-1188		74
823	Facile assembly of Ni(OH) <sub>2</sub> nanosheets on nitrogen-doped carbon nanotubes network as high-performance electrocatalyst for oxygen evolution reaction. <b>2018</b> , 731, 766-773		34
822	Fabrication of completely interface-engineered Ni(OH) <sub>2</sub> /rGO nanoarchitectures for high-performance asymmetric supercapacitors. <b>2018</b> , 460, 65-73		30
821	Hierarchical MoS <sub>2</sub> nanowires/NiCo <sub>2</sub> O <sub>4</sub> nanosheets supported on Ni foam for high-performance asymmetric supercapacitors. <b>2018</b> , 428, 616-622		74
820	Core/shell nanorods of MnO <sub>2</sub> /carbon embedded with Ag nanoparticles as high-performance electrode materials for supercapacitors. <b>2018</b> , 331, 23-30		39
819	Flexible Solid-State Supercapacitors with Enhanced Performance from Hierarchically Graphene Nanocomposite Electrodes and Ionic Liquid Incorporated Gel Polymer Electrolyte. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1704463	15.6	184
818	Ternary composite based on homogeneous Ni(OH) <sub>2</sub> on graphene with Ag nanoparticles as nanopacers for efficient supercapacitor. <b>2018</b> , 334, 2058-2067		38
817	Kelp-like structured NiCo <sub>2</sub> S <sub>4</sub> -C-MoS <sub>2</sub> composite electrodes for high performance supercapacitor. <b>2018</b> , 735, 1505-1513		62
816	Electrochemically Inert g-C <sub>3</sub> N <sub>4</sub> Promotes Water Oxidation Catalysis. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705583	15.6	60
815	Belt-like nickel hydroxide carbonate/reduced graphene oxide hybrids: Synthesis and performance as supercapacitor electrodes. <b>2018</b> , 538, 748-756		23
814	An Asymmetric Supercapacitor with Mesoporous NiCo <sub>2</sub> O <sub>4</sub> Nanorod/Graphene Composite and N-Doped Graphene Electrodes. <b>2018</b> , 47, 512-520		30
813	Electrodeposition of Nickel Nanoparticles for the Alkaline Hydrogen Evolution Reaction: Correlating Electrocatalytic Behavior and Chemical Composition. <b>2018</b> , 11, 948-958		15
812	Redox active KI solid-state electrolyte for battery-like electrochemical capacitive energy storage based on MgCo <sub>2</sub> O <sub>4</sub> nanoneedles on porous $\beta$ -polytype silicon carbide. <b>2018</b> , 260, 921-931		26
811	Ni(OH) <sub>2</sub> Nanoparticles Embedded in Conductive Microrod Array: An Efficient and Durable Electrocatalyst for Alkaline Oxygen Evolution Reaction. <b>2018</b> , 8, 651-655		104
810	Direct Interfacial Growth of MnO <sub>2</sub> Nanostructure on Hierarchically Porous Carbon for High-Performance Asymmetric Supercapacitors. <b>2018</b> , 6, 633-641		84

809	Oxygen Clusters Distributed in Graphene with Paddy Land Structure: Ultrahigh Capacitance and Rate Performance for Supercapacitors. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705258	15.6	65
808	Recent Smart Methods for Achieving High-Energy Asymmetric Supercapacitors. <b>2018</b> , 2, 1700230		122
807	Facile Synthesis of Ag-Decorated Ni <sub>3</sub> S <sub>2</sub> Nanosheets with 3D Bush Structure Grown on rGO and Its Application as Positive Electrode Material in Asymmetric Supercapacitor. <b>2018</b> , 5, 1700985		79
806	Vanadium dioxide-anchored porous carbon nanofibers as a Na <sup>+</sup> intercalation pseudocapacitance material for development of flexible and super light electrochemical energy storage systems. <b>2018</b> , 10, 72-85		63
805	One-pot hydrothermal synthesis of ZnO/RGO/ZnO@Zn sensor for sunset yellow in soft drinks. <b>2018</b> , 179, 836-844		20
804	Three-dimensional nanoporous N-doped graphene/iron oxides as anode materials for high-density energy storage in asymmetric supercapacitors. <b>2018</b> , 335, 467-474		23
803	Facile synthesis of nickel metal-organic framework derived hexagonal flaky NiO for supercapacitors. <b>2018</b> , 29, 2477-2483		13
802	Ultrathin nickel hydroxide on carbon coated 3D-porous copper structures for high performance supercapacitors. <b>2018</b> , 20, 719-727		30
801	Development of a 3D graphene aerogel and 3D porous graphene/MnO <sub>2</sub> @polyaniline hybrid film for all-solid-state flexible asymmetric supercapacitors. <b>2018</b> , 2, 280-293		65
800	Fabrication of Ni(OH) <sub>2</sub>    Fe <sub>2</sub> O <sub>3</sub> nanostructures for high-performance asymmetric supercapacitors. <b>2018</b> , 22, 293-302		5
799	Facile preparation of hexagonal tin sulfide nanoplates anchored on graphene nanosheets for highly efficient sodium storage. <b>2018</b> , 513, 188-197		25
798	50 ppm of Pd dispersed on Ni(OH) <sub>2</sub> nanosheets catalyzing semi-hydrogenation of acetylene with high activity and selectivity. <b>2018</b> , 11, 905-912		39
797	A battery-supercapacitor hybrid device composed of metallic zinc, a biodegradable ionic liquid electrolyte and graphite. <b>2018</b> , 22, 91-101		45
796	Correlation between the mesoporous carbon sphere with Ni(OH) <sub>2</sub> nanoparticle contents for high-performance supercapacitor electrode. <b>2018</b> , 24, 815-825		6
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793	Integrated and heterostructured cobalt manganese sulfide nanoneedle arrays as advanced electrodes for high-performance supercapacitors. <b>2018</b> , 42, 18328-18334		8
792	Wearable super-high specific performance supercapacitors using a honeycomb with folded silk-like composite of NiCoO nanoplates decorated with NiMoO honeycombs on nickel foam. <b>2018</b> , 47, 15545-15554		34

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772	Successful synthesis of interconnected Co <sub>0.85</sub> Se nanosheets with high pore volume and its electrochemical performance in supercapacitors. <b>2018</b> , 29, 20564-20572	3
771	NiMoO nanosheet arrays anchored on carbon cloth as 3D open electrode for enzyme-free glucose sensing with improved electrocatalytic activity. <b>2018</b> , 410, 7921-7929	15
770	Metal oxides in supercapacitors. <b>2018</b> , 169-203	16
769	Two-Dimensional Layered Hydroxide Nanoporous Nanohybrids Pillared with Zero-Dimensional Polyoxovanadate Nanoclusters for Enhanced Water Oxidation Catalysis. <b>2018</b> , 14, e1703481	26
768	Star-Shaped CuS Flat Nanoflakes Reinforced Ni(OH) <sub>2</sub> Nanosheets for Enhanced Capacitance. <b>2018</b> , 3, 11293-11301	2
767	High-Performance Flexible In-Plane Micro-Supercapacitors Based on Vertically Aligned CuSe@Ni(OH) <sub>2</sub> Hybrid Nanosheet Films. <b>2018</b> , 10, 38341-38349	31
766	Ni(OH) <sub>2</sub> nanoplates decorated on graphene nanosheets for alkaline secondary batteries. <b>2018</b> , 10, 054104	4
765	Simple Fabrication of High-Efficiency N,O,F,P-Containing Electrodes through Host-Guest Doping for High-Performance Supercapacitors. <b>2018</b> , 6, 15764-15772	6
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763	Facile and scalable production of amorphous nickel borate for high performance hybrid supercapacitors. <b>2018</b> , 6, 19689-19695	26
762	A novel design of hybrid transparent electrodes for high performance and ultra-flexible bifunctional electrochromic-supercapacitors. <b>2018</b> , 53, 650-657	86
761	Ni-Doped Cobalt-Cobalt Nitride Heterostructure Arrays for High-Power Supercapacitors. <b>2018</b> , 3, 2462-2469	129
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759	Influence of Sodium Carbonate Amount on Crystalline Phase and Structure Stability for Doping Nickel Hydroxide. <b>2018</b> , 33, 552-558	
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757	Design of high-performance core-shell hollow carbon nanofiber@nickel-cobalt double hydroxide composites for supercapacitive energy storage. <b>2018</b> , 22, 3853-3862	3
756	Atom-economical construction of carbon nanotube architectures for flexible supercapacitors with ultrahigh areal and volumetric capacities. <b>2018</b> , 6, 21287-21294	18

755	NiO/Ni Co O porous ultrathin nanosheet/nanowire composite structures as high-performance supercapacitor electrodes.. <b>2018</b> , 8, 31853-31859	6
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753	Improving Ni(OH) <sub>2</sub> /C Supercapacitive Performances through Mixed Solvents and Thermal Treatment of XC-72. <b>2018</b> , 6, 15560-15569	13
752	Flexible asymmetric supercapacitors based on CuO@MnO <sub>2</sub> -rGO and MoS <sub>2</sub> -rGO with ultrahigh energy density. <b>2018</b> , 827, 221-229	42
751	Sheet-membrane Mn-doped nickel hydroxide encapsulated via heterogeneous Ni <sub>3</sub> S <sub>2</sub> nanoparticles for efficient alkaline battery-supercapacitor hybrid devices. <b>2018</b> , 6, 19020-19029	40
750	Flexible all-solid-state ultrahigh-energy asymmetric supercapacitors based on tailored morphology of NiCoO <sub>2</sub> /Ni(OH) <sub>2</sub> /Co(OH) <sub>2</sub> electrodes. <b>2018</b> , 20, 6519-6528	12
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743	A lightweight, compressible and portable sponge-based supercapacitor for future power supply. <b>2018</b> , 349, 509-521	37
742	Special report on the achievements realized by researchers of Chinese Academy of Sciences in the field of energy storage technologies. <b>2018</b> , 18, 285-294	3
741	Modification of Carbon-Based Electroactive Materials for Supercapacitor Applications. <b>2018</b> , 393-413	1
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738	Functionalized graphene-polyaniline nanocomposite as electrode material for asymmetric supercapacitors. <b>2018</b> , 22, 2917-2928	8

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736	The way to improve the energy density of supercapacitors: Progress and perspective. <b>2018</b> , 61, 1517-1526	51
735	Review Advent of TiO <sub>2</sub> Nanotubes as Supercapacitor Electrode. <b>2018</b> , 165, E345-E358	30
734	3D interconnected Bi <sub>2</sub> S <sub>3</sub> nanosheets network directly grown on nickel foam as advanced performance binder-free electrode for hybrid asymmetric supercapacitor. <b>2018</b> , 396, 648-658	25
733	Flowery nickel-cobalt hydroxide a solid-liquid sulphur ion grafting route and its application in hybrid supercapacitive storage.. <b>2018</b> , 8, 23817-23824	10
732	Hierarchical Porous NiO/NiMoO Heterostructure as Superior Anode Material for Lithium Storage. <b>2018</b> , 83, 915-923	9
731	Combination of 1D Ni(OH) <sub>2</sub> nanobelts and 2D graphene sheets to fabricate 3D composite hydrogel electrodes with ultrahigh capacitance and superior rate capability. <b>2018</b> , 167, 155-163	22
730	One-step construction of hierarchical Ni(OH) <sub>2</sub> /RGO/Cu <sub>2</sub> O on Cu foil for ultra-sensitive non-enzymatic glucose and hydrogen peroxide detection. <b>2018</b> , 274, 163-171	34
729	Rational design of unique graphene modified cobalt manganite hollow microcubes for supercapacitors. <b>2018</b> , 459, 16-22	8
728	Pseudocapacitive Ni-Co-Fe Hydroxides/N-Doped Carbon Nanoplates-Based Electrocatalyst for Efficient Oxygen Evolution. <b>2018</b> , 14, e1801878	38
727	Hierarchical self-assembly flower-like ammonium nickel phosphate as high-rate performance electrode material for asymmetric supercapacitors with enhanced energy density. <b>2018</b> , 29, 425401	11
726	A facile solvent regulated method for phase control of two-dimensional nickel-cobalt hydroxide nanosheets: Towards improved performance hybrid supercapacitors. <b>2018</b> , 218, 172-181	10
725	Single-Step Direct Hydrothermal Growth of NiMoO <sub>4</sub> Nanostructured Thin Film on Stainless Steel for Supercapacitor Electrodes. <b>2018</b> , 8,	8
724	Sulfidation of NiFe-layered double hydroxides as novel negative electrodes for supercapacitors with enhanced performance. <b>2018</b> , 768, 635-643	19
723	Ultrathin mesoporous NiMoO <sub>4</sub> -modified MoO <sub>3</sub> core/shell nanostructures: Enhanced capacitive storage and cycling performance for supercapacitors. <b>2018</b> , 353, 615-625	61
722	Electrochemical performance of facile developed aqueous asymmetric (Fe,Cr) <sub>2</sub> O <sub>3</sub> //MnO <sub>2</sub> supercapacitor. <b>2018</b> , 285, 381-392	23
721	Ni counterpart-assisted synthesis of nanoarchitected Co <sub>3</sub> O <sub>4</sub> /CoS/Ni(OH) <sub>2</sub> @Co electrode for superior supercapacitor. <b>2018</b> , 284, 444-453	23
720	Direct synthesis of graphene-based hybrid films as flexible supercapacitor electrodes. <b>2018</b> , 244, 99-105	3

7 <sup>19</sup>	Uniform NiCo <sub>2</sub> O <sub>4</sub> /NiFe <sub>2</sub> O <sub>4</sub> hollow nanospheres with excellent properties for Li-ion batteries and supercapacitors. <b>2018</b> , 767, 223-231	20
7 <sup>18</sup>	Hierarchical three-dimensional manganese doped cobalt phosphide nanowire decorated nanosheet cluster arrays for high-performance electrochemical pseudocapacitor electrodes. <b>2018</b> , 54, 9234-9237	51
7 <sup>17</sup>	Nacre-like laminate nitrogen-doped porous carbon/carbon nanotubes/graphene composite for excellent comprehensive performance supercapacitors. <b>2018</b> , 10, 15229-15237	13
7 <sup>16</sup>	Ni(OH) <sub>2</sub> and NiO Based Composites: Battery Type Electrode Materials for Hybrid Supercapacitor Devices. <b>2018</b> , 11,	77
7 <sup>15</sup>	NiMoO <sub>4</sub> nanowire arrays and carbon nanotubes film as advanced electrodes for high-performance supercapacitor. <b>2018</b> , 458, 478-488	33
7 <sup>14</sup>	A pseudocapacitive asymmetric supercapacitor assembled by hollow NiCo <sub>2</sub> O <sub>4</sub> hierarchical micro-spheres and nickel-loaded hollow VN hierarchical micro-flowers. <b>2018</b> , 324, 168-175	7
7 <sup>13</sup>	Bioinspired sea-sponge nanostructure design of Ni/Ni(HCO <sub>3</sub> ) <sub>2</sub> -on-C for a supercapacitor with a superior anti-fading capacity. <b>2018</b> , 6, 15781-15788	15
7 <sup>12</sup>	Neuron-Inspired FeO/Conductive Carbon Filament Network for High-Speed and Stable Lithium Storage. <b>2018</b> , 10, 17923-17932	29
7 <sup>11</sup>	Facilely prepared oxidized carbon Fiber@Co <sub>3</sub> O <sub>4</sub> @RGO as negative electrode for a novel asymmetric supercapacitor with high areal energy and power density. <b>2018</b> , 450, 66-76	18
7 <sup>10</sup>	Nanotubular Ni-supported graphene @ hierarchical NiCo-LDH with ultrahigh volumetric capacitance for supercapacitors. <b>2018</b> , 453, 230-237	13
7 <sup>09</sup>	Sputtered Titanium Nitride Films on Titanium Foam Substrates as Electrodes for High-Power Electrochemical Capacitors. <b>2018</b> , 5, 2199-2207	13
7 <sup>08</sup>	Development of 3D MoO <sub>3</sub> /graphene aerogel and sandwich-type polyaniline decorated porous MnO <sub>2</sub> /graphene hybrid film based high performance all-solid-state asymmetric supercapacitors. <b>2018</b> , 276, 47-63	31
7 <sup>07</sup>	Facile Fabrication of Flexible In-Plane Graphene Micro-Supercapacitor via Flash Reduction. <b>2018</b> , 40, 275-282	14
7 <sup>06</sup>	New Interpretation of the Performance of Nickel-Based Air Electrodes for Rechargeable Zinc-Air Batteries. <b>2018</b> , 122, 20153-20166	19
7 <sup>05</sup>	Fabrication of Ni-Al LDH/nitramine-N-doped graphene hybrid composites via a novel self-assembly process for hybrid supercapacitors. <b>2018</b> , 354, 1132-1140	35
7 <sup>04</sup>	Formation of honeycomb-like Mn-doping nickel hydroxide/Ni <sub>3</sub> S <sub>2</sub> nanohybrid for efficient supercapacitive storage. <b>2018</b> , 267, 53-62	11
7 <sup>03</sup>	Morphology and Crystal Planes Effects on Supercapacitance of CeO <sub>2</sub> Nanostructures: Electrochemical and Molecular Dynamics Studies. <b>2018</b> , 35, 1800176	23
7 <sup>02</sup>	Bimetallic-MOF Derived Accordion-like Ternary Composite for High-Performance Supercapacitors. <b>2018</b> , 57, 10953-10960	70

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698	Stress-Transfer-Induced In Situ Formation of Ultrathin Nickel Phosphide Nanosheets for Efficient Hydrogen Evolution. <b>2018</b> , 130, 13266-13269	17
697	Stress-Transfer-Induced In Situ Formation of Ultrathin Nickel Phosphide Nanosheets for Efficient Hydrogen Evolution. <b>2018</b> , 57, 13082-13085	75
696	Ultra-Stable Asymmetric Supercapacitors Constructed by In-Situ Electro-Oxidation Activated Ni@CNTs Composites. <b>2018</b> , 5, 3213-3221	4
695	Design of oxygen-deficient NiMoO <sub>4</sub> nanoflake and nanorod arrays with enhanced supercapacitive performance. <b>2018</b> , 354, 182-190	62
694	Three dimensional vanadium pentoxide/graphene foam composite as positive electrode for high performance asymmetric electrochemical supercapacitor. <b>2018</b> , 532, 395-406	34
693	Visible-Light Photocatalytic H <sub>2</sub> Production Activity of ENi(OH) <sub>2</sub> -Modified CdS Mesoporous Nanoheterojunction Networks. <b>2018</b> , 8, 8726-8738	71
692	A Novel Hierarchical Flower-like NiMoO <sub>4</sub> for Supercapacitors. <b>2018</b> , 47, 1213-1215	4
691	Synthesis of 2D Zn-Co LDH nanosheets by a successive ionic layer deposition method as a material for electrodes of high-performance alkaline battery-supercapacitor hybrid devices.. <b>2018</b> , 8, 29607-29612	20
690	Hydrothermal Synthesis of Co-Doped NiSe Nanowire for High-Performance Asymmetric Supercapacitors. <b>2018</b> , 11,	20
689	Superaerophobic P-doped Ni(OH)/NiMoO hierarchical nanosheet arrays grown on Ni foam for electrocatalytic overall water splitting. <b>2018</b> , 47, 8787-8793	38
688	High areal capacitance and rate capability using filled Ni foam current collector. <b>2018</b> , 281, 761-768	8
687	Sustainable Energy System Utilizing High-Voltage-Stable and Energy-dense Supercapacitors Based on Porous Fe <sub>2</sub> O <sub>3</sub> @Graphene Electrode in Ionic Liquid Electrolyte. <b>2018</b> , 6, 2399-2407	4
686	Structural and electrochemical studies of Scheelite type BiVO <sub>4</sub> nanoparticles: synthesis by simple hydrothermal method. <b>2018</b> , 29, 13265-13276	27
685	Facile solvothermal synthesis of ZnCo <sub>2</sub> O <sub>4</sub> /MnO <sub>2</sub> nanosheets composite with enhanced electrochemical properties as supercapacitor electrodes. <b>2018</b> , 124, 1	8
684	Enhanced electrochemical supercapacitor and excellent amperometric sensor performance of heterostructure CeO <sub>2</sub> -CuO nanocomposites via chemical route. <b>2018</b> , 456, 104-113	47

683	Ternary Fe <sub>3</sub> O <sub>4</sub> @C@PANI nanocomposites as high-performance supercapacitor electrode materials. <b>2018</b> , 53, 12322-12333	24
682	2.21 Supercapacitors. <b>2018</b> , 663-695	4
681	Sulfuration of NiV-layered double hydroxide towards novel supercapacitor electrode with enhanced performance. <b>2018</b> , 351, 119-126	56
680	Nanostructured FeNi Incorporated with Carbon Doped with Multiple Nonmetal Elements for the Oxygen Evolution Reaction. <b>2018</b> , 11, 2703-2709	57
679	Hierarchical FeS/RGO/FeS@Fe foil as high-performance negative electrode for asymmetric supercapacitors. <b>2018</b> , 5, 1912-1922	19
678	Hydrothermally synthesized Ni(OH) <sub>2</sub> @Zn(OH) <sub>2</sub> composite with enhanced electrochemical performance for supercapacitors. <b>2018</b> , 44, 6637-6648	9
677	Improved supercapacitive performance in electrospun TiO <sub>2</sub> nanofibers through Ta-doping for electrochemical capacitor applications. <b>2019</b> , 325, 33-40	19
676	Bio-inspired synthesis of 3-D network of NiO-Ni nanowires on carbonized eggshell membrane for lithium-ion batteries. <b>2019</b> , 194, 134-141	18
675	Tri-high designed graphene electrodes for long cycle-life supercapacitors with high mass loading. <b>2019</b> , 17, 349-357	42
674	Preparation of amorphous detrital Ni (OH) <sub>2</sub> -reduced graphene oxide composite as electrode material for supercapacitor. <b>2019</b> , 25, 2401-2409	5
673	2D MoSe <sub>2</sub> -Ni(OH) <sub>2</sub> nanohybrid as an efficient electrode material with high rate capability for asymmetric supercapacitor applications. <b>2019</b> , 355, 881-890	153
672	Ni(OH) <sub>2</sub> /CNTs/graphene composite with 3D hierarchical structure for supercapacitors with high performance. <b>2019</b> , 25, 287-295	
671	Synthesis of Joint-Welded Carbon Nanotube Foam @ Ni(OH) <sub>2</sub> Nanosheet-Based CoreShell 3D Architecture for Freestanding Flexible Electrode for Supercapacitor Applications. <b>2019</b> , 6, 1900670	17
670	One-Pot Synthesis of Nanoporous Nickel Hydroxide Film as High-Performance Electrode for Asymmetric Supercapacitor. <b>2019</b> , 166, D595-D602	4
669	Excellent electrochemical performance of SrZrO <sub>3</sub> nanorods as supercapacitor electrode in aqueous electrolytes. <b>2019</b> , 495, 143587	10
668	Zn-Ni-Co trimetallic carbonate hydroxide nanothorns branched on Cu(OH) <sub>2</sub> nanorods array based on Cu foam for high-performance asymmetric supercapacitors. <b>2019</b> , 437, 226897	71
667	Direct preparation of efficient catalyst for oxygen evolution reaction and high-purity Li <sub>2</sub> CO <sub>3</sub> from spent LiNi <sub>0.5</sub> Mn <sub>0.3</sub> Co <sub>0.2</sub> O <sub>2</sub> batteries. <b>2019</b> , 236, 117576	22
666	Harvesting Biomass-Based Ni Doped Carbonaceous Materials with High Capacitance by Fast Pyrolysis of Ni Enriched Spent Wetland Biomass. <b>2019</b> , 58, 13868-13878	10

665	Function-regeneration of non-porous hydrolyzed-MOF-derived materials. <b>2019</b> , 12, 1921-1930	9
664	Electrochemical reduction of CO <sub>2</sub> on Ni (OH) <sub>2</sub> doped water dispersible graphene under different electrolyte conditions. <b>2019</b> , 1, 1	7
663	Hierarchical zinc cobalt sulfide flowers grown on nickel foam as binder-free electrodes for high-performance asymmetric supercapacitors. <b>2019</b> , 319, 859-868	24
662	Interfacial Engineering of Nickel Boride/Metaborate and Its Effect on High Energy Density Asymmetric Supercapacitors. <b>2019</b> , 13, 9376-9385	68
661	Flexible carbon cloth based solid-state supercapacitor from hierarchical holothurian-morphological NiCo <sub>2</sub> O <sub>4</sub> @NiMoO <sub>4</sub> /PANI. <b>2019</b> , 320, 134578	35
660	Mixed solvent exfoliated transition metal oxides nanosheets based flexible solid state supercapacitor devices endowed with high energy density. <b>2019</b> , 43, 12385-12395	23
659	Electrostatic force-driven anchoring of Ni(OH) <sub>2</sub> nanocrystallites on single-layer MoS <sub>2</sub> for high-performance asymmetric hybrid supercapacitors. <b>2019</b> , 320, 134591	27
658	Ni-doped and Ni/Cr co-doped TiO nanotubes for enhancement of photocatalytic degradation of methylene blue. <b>2019</b> , 555, 31-41	70
657	P-Doped NiMoO <sub>4</sub> parallel arrays anchored on cobalt carbonate hydroxide with oxygen vacancies and mass transfer channels for supercapacitors and oxygen evolution. <b>2019</b> , 7, 19589-19596	40
656	Keggin-Type Polyoxometalate Modified Ag/Graphene Composite Materials for Electrocatalytic Water Oxidation. <b>2019</b> , 2019, 3597-3604	5
655	A novel ordered hollow spherical nickel silicate/nickel hydroxide composite with two types of morphologies for enhanced electrochemical storage performance. <b>2019</b> , 3, 2090-2101	55
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652	Hollow sphere formation by the self aggregation of perovskite fluoride NaNiF <sub>3</sub> nanocrystals and the application of these spheres as an electrode in an ultrahigh performance asymmetric supercapacitor. <b>2019</b> , 43, 11959-11967	13
651	Preparation and study of porous MnCo <sub>2</sub> O <sub>4</sub> @NiO nanosheets for high-performance supercapacitor. <b>2019</b> , 45, 20451-20457	16
650	Free-Standing N-doped Reduced Graphene Oxide Papers Decorated with Iron Oxide Nanoparticles: Stable Supercapacitor Electrodes. <b>2019</b> , 6, 3774-3781	7
649	High Phase-Purity 1T-MoS Ultrathin Nanosheets by a Spatially Confined Template. <b>2019</b> , 58, 17621-17624	52
648	Integration of ZnCo <sub>2</sub> S <sub>4</sub> nanowires arrays with NiFe-LDH nanosheet as water dissociation promoter for enhanced electrocatalytic hydrogen evolution. <b>2019</b> , 324, 134861	17

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626	Large-scale synthesis of Ni(OH)/peach gum derived carbon nanosheet composites with high energy and power density for battery-type supercapacitor. <b>2019</b> , 557, 608-616	19
625	Entire synergistic contribution of electrodeposited battery-type NiCo <sub>2</sub> O <sub>4</sub> @Ni <sub>4.5</sub> Co <sub>4.5</sub> S <sub>8</sub> composite for high-performance supercapacitors. <b>2019</b> , 439, 227097	51
624	Sonochemical synthesis of Co <sub>3</sub> O <sub>4</sub> /graphene/Co <sub>3</sub> O <sub>4</sub> sandwich architecture for high-performance supercapacitors. <b>2019</b> , 49, 1133-1142	3
623	Interlaced nickel phosphide nanoflakes wrapped orthorhombic niobium pentoxide nanowires array for sustainable aqueous asymmetric supercapacitor. <b>2019</b> , 325, 134934	16
622	Stamen-petal-like CeO <sub>2</sub> /NiMn layered double hydroxides composite for high-rate-performance supercapacitor. <b>2019</b> , 810, 151911	19
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619	Enhanced cycle performance of hierarchical porous sphere MnCo <sub>2</sub> O <sub>4</sub> for asymmetric supercapacitors. <b>2019</b> , 301, 294-303	46
618	Creating oxygen-vacancies in MoO <sub>3</sub> - nanobelts toward high volumetric energy-density asymmetric supercapacitors with long lifespan. <b>2019</b> , 58, 455-465	166
617	A Ni(OH) nanopetals network for high-performance supercapacitors synthesized by immersing Ni nanofoam in water. <b>2019</b> , 10, 281-293	16
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614	Metallic MoS <sub>2</sub> grown on porous g-C <sub>3</sub> N <sub>4</sub> as an efficient electrode material for supercapattery application. <b>2019</b> , 301, 401-410	19
613	Hybrid hollow spheres of carbon@CoNiMoO as advanced electrodes for high-performance asymmetric supercapacitors. <b>2019</b> , 11, 3281-3291	54
612	Copper nanoparticles anchored onto boron-doped graphene nanosheets for use as a high performance asymmetric solid-state supercapacitor.. <b>2019</b> , 9, 3443-3461	13

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608	Designed mesoporous hollow sphere architecture metal (Mn, Co, Ni) silicate: A potential electrode material for flexible all solid-state asymmetric supercapacitor. <b>2019</b> , 362, 818-829	174
607	Reverse synthesis of star anise-like cobalt doped Cu-MOF/Cu <sub>2</sub> O hybrid materials based on a Cu(OH) <sub>2</sub> precursor for high performance supercapacitors. <b>2019</b> , 7, 3815-3827	97
606	Construction of 3D Si@Ti@TiN thin film arrays for aqueous symmetric supercapacitors. <b>2019</b> , 55, 1402-1405	19
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604	Amorphous NiCoBe hydroxide nanospheres for the highly sensitive and selective non-enzymatic glucose sensor applications. <b>2019</b> , 800, 261-271	19
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602	Layer-by-layer inkjet printing GO film anchored Ni(OH) <sub>2</sub> nanoflakes for high-performance supercapacitors. <b>2019</b> , 375, 121988	34
601	Rationally designed hierarchical NiCo <sub>2</sub> O <sub>4</sub> @Ni(OH) <sub>2</sub> core-shell nanofibers for high performance supercapacitors. <b>2019</b> , 152, 652-660	53
600	Highly Efficient Quasi-Solid-State Asymmetric Supercapacitors Based on MoS <sub>2</sub> /MWCNT and PANI/MWCNT Composite Electrodes. <b>2019</b> , 14, 66	17
599	Integrating Fast Potential-Fringe Battery Reactions for High-Voltage Battery-Supercapacitor Hybrid Energy Storage Systems. <b>2019</b> , 2, 766-773	7
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595	Three-Dimensional Hierarchically Porous Graphene Fiber-Shaped Supercapacitors with High Specific Capacitance and Rate Capability. <b>2019</b> , 11, 25205-25217	30
594	Low-cost high-performance asymmetric supercapacitors based on ribbon-like Ni(OH) <sub>2</sub> and biomass carbon nanofibers enriched with nitrogen and phosphorus. <b>2019</b> , 25, 4341-4350	7

593	Ultrasmall NiMoO <sub>4</sub> robust nanoclusters-active carbon composite for high performance extrinsic pseudocapacitor. <b>2019</b> , 318, 607-616	23
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583	One-pot synthesise Al-doped Ni(OH) <sub>2</sub> /reduced graphene oxide composite for high-performance asymmetric supercapacitors. <b>2019</b> , 799, 529-537	15
582	Polyaniline nanofibers and porous Ni(OH) <sub>2</sub> sheets coated carbon fabric for high performance super capacitor. <b>2019</b> , 136, 48042	5
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576	Nitrogen-doped carbon/NiMoO <sub>4</sub> nanospheres assembled by nanosheets and ultrasmall nanoparticles for supercapacitors. <b>2019</b> , 728, 215-223	14

575	Preparation of partially-cladding NiCo-LDH/Mn3O4 composite by electrodeposition route and its excellent supercapacitor performance. <b>2019</b> , 796, 111-119	87
574	High-performance asymmetric supercapacitor based on vanadium dioxide and carbonized iron-polyaniline electrodes. <b>2019</b> , 9, 055309	12
573	Strong Charge Transfer at 2H-1T Phase Boundary of MoS for Superb High-Performance Energy Storage. <b>2019</b> , 15, e1900131	37
572	Synthesis and electrochemical characterization of nanostructured Ni-Co-MOF/graphene oxide composites as capacitor electrodes. <b>2019</b> , 311, 62-71	69
571	Synthesis of ZnFe2O4@MnO2 Multilevel Nanosheets Structure and Its Electrochemical Properties as Positive Electrodes for Asymmetric Supercapacitors. <b>2019</b> , 4, 5168-5177	3
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565	Tiny Basic Nickel Carbonate Arrays/Reduced Graphene Oxide Composite for High-Efficiency Supercapacitor Application. <b>2019</b> , 14, 1950044	4
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559	Synergistic effects of dual nano-type electrode of NiCo-nanowire/NiMn-nanosheet for high-energy supercapacitors. <b>2019</b> , 789, 119-128	20
558	3D honeycomb NiCo2S4 @ Ni(OH)2 nanosheets for flexible all-solid-state asymmetric supercapacitors with enhanced specific capacitance. <b>2019</b> , 790, 693-702	14

557	Bi-metal organic framework nanosheets assembled on nickel wire films for volumetric-energy-dense supercapacitors. <b>2019</b> , 423, 80-89	40
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551	Ultrathin mesoporous F-doped Ni(OH) <sub>2</sub> nanosheets as an efficient electrode material for water splitting and supercapacitors. <b>2019</b> , 7, 9656-9664	56
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549	Simple and Cost-Effective Approach To Dramatically Enhance the Durability and Capability of a Layered MnO <sub>2</sub> Based Electrode for Pseudocapacitors: A Practical Electrochemical Test and Mechanistic Revealing. <b>2019</b> , 2, 2743-2750	11
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545	A Shape Memory High-Voltage Supercapacitor with Asymmetric Organic Electrolytes for Driving an Integrated NO <sub>2</sub> Gas Sensor. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901996	15.6 27
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543	Temperature controlled diffusion of hydroxide ions in 1D channels of Ni-MOF-74 for its complete conformal hydrolysis to hierarchical Ni(OH) <sub>2</sub> supercapacitor electrodes. <b>2019</b> , 11, 9598-9607	66
542	Hydrothermal synthesis of reduced graphene oxide-modified NiCo <sub>2</sub> O <sub>4</sub> nanowire arrays with enhanced reactivity for supercapacitors. <b>2019</b> , 792, 474-480	21
541	Nano-sphere Co <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> composites with abundant mesoporous structure for advanced lithium storage. <b>2019</b> , 45, 12251-12255	1
540	Nickel-cobalt layered double hydroxide nanosheets with reduced graphene oxide grown on carbon cloth for symmetric supercapacitor. <b>2019</b> , 483, 593-600	36

539	Co <sub>0.5</sub> Ni <sub>0.5</sub> MoO <sub>4</sub> Double-Shelled Hollow Spheres with Enhanced Electrochemical Performance for Supercapacitors and Lithium-Ion Batteries. <b>2019</b> , 7, 1801160	4
538	Synthesis and characterization of nickel antimonate nanoparticles: sensing properties in propane and carbon monoxide. <b>2019</b> , 30, 6166-6177	6
537	Graphene-Based Planar Microsupercapacitors: Recent Advances and Future Challenges. <b>2019</b> , 4, 1800200	40
536	Hierarchical Micro-Nano Sheet Arrays of Nickel-Cobalt Double Hydroxides for High-Rate Ni-Zn Batteries. <b>2019</b> , 6, 1802002	118
535	On-Chip Ni <sub>2</sub> Zn Microbattery Based on Hierarchical Ordered Porous Ni@Ni(OH) <sub>2</sub> Microelectrode with Ultrafast Ion and Electron Transport Kinetics. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808470	15.6 56
534	Asymmetric supercapacitor based on reduced graphene oxide/MnO <sub>2</sub> and polypyrrole deposited on carbon foam derived from melamine sponge. <b>2019</b> , 130, 100-110	20
533	Electrochemical fabrication of Ni or Ni(OH) <sub>2</sub> @Ni nanoparticle-decorated reduced graphene oxide for supercapacitor applications. <b>2019</b> , 302, 109-118	39
532	Applied potential-dependent performance of the nickel cobalt oxysulfide nanotube/nickel molybdenum oxide nanosheet core-shell structure in energy storage and oxygen evolution. <b>2019</b> , 7, 4626-4639	37
531	A facile preparation of 3D flower-shaped Ni/Al-LDHs covered by Ni(OH) <sub>2</sub> nanoplates as superior material for high power application. <b>2019</b> , 27, 2526-2534	9
530	Screen-printable films of graphene/CoS <sub>2</sub> /Ni <sub>3</sub> S <sub>4</sub> composites for the fabrication of flexible and arbitrary-shaped all-solid-state hybrid supercapacitors. <b>2019</b> , 146, 557-567	49
529	Nitrogen-doped carbon dots decorated ultrathin nickel hydroxide nanosheets for high-performance hybrid supercapacitor. <b>2019</b> , 542, 392-399	42
528	Constructing metallic zinc-cobalt sulfide hierarchical core-shell nanosheet arrays derived from 2D metal-organic-frameworks for flexible asymmetric supercapacitors with ultrahigh specific capacitance and performance. <b>2019</b> , 7, 7138-7150	61
527	Inductive Effect in Mn-Doped NiO Nanosheet Arrays for Enhanced Capacitive and Highly Stable Hybrid Supercapacitor. <b>2019</b> , 2, 2072-2079	33
526	Fabrication of hierarchical Co(OH) <sub>2</sub> @Ni(OH) <sub>2</sub> core-shell nanosheets on carbon cloth as an advanced electrocatalyst for oxygen evolution reaction. <b>2019</b> , 479, 1270-1276	34
525	Achieving Ultrahigh Capacity with Self-Assembled Ni(OH) <sub>2</sub> Nanosheet-Decorated Hierarchical Flower-like MnCoO Nanoneedles as Advanced Electrodes of Battery-Supercapacitor Hybrid Devices. <b>2019</b> , 11, 9984-9993	57
524	Asymmetric supercapacitor based on carbon nanofibers as the anode and two-dimensional copper cobalt oxide nanosheets as the cathode. <b>2019</b> , 366, 390-403	75
523	An investigation on the synthesis of nickel aluminate. <b>2019</b> , 48, 487-492	1
522	Selective design of binder-free hierarchical nickel molybdenum sulfide as a novel battery-type material for hybrid supercapacitors. <b>2019</b> , 7, 25467-25480	30

521	Enhanced capacitive properties of all-metal-oxide-nanoparticle-based asymmetric supercapacitors.. <b>2019</b> , 9, 31846-31852	10
520	An aqueous symmetric supercapacitor based on Mn <sub>3</sub> O <sub>4</sub> nanorods-graphene composites with 2 V-high voltage and enhanced energy density. <b>2019</b> , 6, 125559	1
519	Molybdenum induces the formation of high-performance nickel hydroxide with irregular shape. <b>2019</b> , 6, 125521	0
518	Role of precursors mixing sequence on the properties of CoMnO cathode materials and their application in pseudocapacitor. <b>2019</b> , 9, 16852	7
517	Millepore species-like ultra-long carbon fiber/cobalt nickel and its electrochemical activity. <b>2019</b> , 6, 115621	
516	Band Phase Ni-Mg Hydroxide for High Performance Hybrid Supercapacitors. <b>2019</b> , 9,	13
515	Graphite-Aligned Ni/Ni(OH) <sub>2</sub> Nanowire-Based Aqueous Asymmetric Supercapacitors Exhibiting Excellent Cycle Stability, High Rate Performance, and Wide Operation Voltage. <b>2019</b> , 4, 13543-13550	2
514	Asymmetric supercapacitors with excellent rate performance by integrating Co(OH)F nanorods and layered TiCT paper.. <b>2019</b> , 9, 30957-30963	5
513	Hierarchically structured Co <sub>9</sub> S <sub>8</sub> @NiCo <sub>2</sub> O <sub>4</sub> nanobrushes for high-performance flexible asymmetric supercapacitors. <b>2019</b> , 356, 985-993	86
512	High performance hybrid supercapacitor based on hierarchical MoS <sub>2</sub> /Ni <sub>3</sub> S <sub>2</sub> metal chalcogenide. <b>2019</b> , 30, 1105-1110	36
511	Unraveling the effects of CO <sub>2</sub> and H <sub>2</sub> S on the corrosion behavior of electroless Ni-P coating in CO <sub>2</sub> /H <sub>2</sub> S/Cl <sup>-</sup> environments at high temperature and high pressure. <b>2019</b> , 148, 317-330	38
510	Hydrogels that couple nitrogen-enriched graphene with Ni(OH) <sub>2</sub> nanosheets for high-performance asymmetric supercapacitors. <b>2019</b> , 782, 516-524	33
509	Tunnel structured hollandite K <sub>0.06</sub> TiO <sub>2</sub> microrods as the negative electrode for 2.4 V flexible all-solid-state asymmetric supercapacitors with high performance. <b>2019</b> , 413, 34-41	8
508	Enhanced capacitance of boron-doped graphene aerogels for aqueous symmetric supercapacitors. <b>2019</b> , 475, 285-293	47
507	Low-Charge-Carrier-Scattering Three-Dimensional EMnO <sub>2</sub> /EMnO <sub>2</sub> Networks for Ultra-High-Rate Asymmetrical Supercapacitors. <b>2019</b> , 2, 1051-1059	23
506	Hybrid energy storage devices: Advanced electrode materials and matching principles. <b>2019</b> , 21, 22-40	105
505	Synthesis of binder-free Co/CoO encapsulated in graphene as electrode material for electrochemical applications. <b>2019</b> , 783, 363-370	9
504	Ultrafine Ni(OH) <sub>2</sub> nanoneedles on N-doped 3D rivet graphene film for high-performance asymmetric supercapacitor. <b>2019</b> , 783, 625-632	21

503	Adsorption performance and micro-structural morphology of a novel magnetic composite adsorbent for removing Cd <sup>2+</sup> from water. <b>2019</b> , 146, 1209-1217	6
502	High performance wire-type supercapacitor with Ppy/CNT-ionic liquid/AuNP/carbon fiber electrode and ionic liquid based electrolyte. <b>2019</b> , 144, 639-648	40
501	Electrochemical measurements of synthesized nanostructured Ni(OH) <sub>2</sub> using hydrothermal process and activated carbon based nanoelectroactive materials. <b>2019</b> , 1, 1	2
500	Nickel induced in situ growth of nickel hydroxide nanoflakes on reduced graphite oxide with high energy and power density. <b>2019</b> , 537, 50-56	8
499	Facile Construction of 3D Packing Porous Flower-Like NiCo <sub>2</sub> O <sub>4</sub> @NiMoO <sub>4</sub> /rGO Hybrids as High-Performance Supercapacitors with Large Areal Capacitance. <b>2019</b> , 7, 1800940	6
498	Sp <sup>2</sup> -carbon dominant carbonaceous materials for energy conversion and storage. <b>2019</b> , 137, 1-37	18
497	An earth-abundant and multifunctional Ni nanosheets array as electrocatalysts and heat absorption layer integrated thermoelectric device for overall water splitting. <b>2019</b> , 56, 563-570	38
496	Nanoporous ruthenium and manganese oxide nanoparticles/reduced graphene oxide for high-energy symmetric supercapacitors. <b>2019</b> , 144, 185-192	34
495	One-Step Polyoxometalates-Assisted Synthesis of Manganese Dioxide for Asymmetric Supercapacitors with Enhanced Cycling Lifespan. <b>2019</b> , 7, 258-264	29
494	Nickel hydroxide/chemical vapor deposition-grown graphene/nickel hydroxide/nickel foam hybrid electrode for high performance supercapacitors. <b>2019</b> , 297, 479-487	29
493	Porous graphene decorated silica as a new stationary phase for separation of sulfanilamide compounds in hydrophilic interaction chromatography. <b>2019</b> , 30, 863-866	45
492	Low-energy hydrothermal fabrication of Ni(OH) <sub>2</sub> nanosheet arrays as efficient electrodes for sustainable supercapacitors. <b>2019</b> , 20, e00085	4
491	Graphene-Based Electrochemical Supercapacitors. <b>2019</b> , 27, 339-386	23
490	Bio-inspired three-dimensional carbon network with enhanced mass-transfer ability for supercapacitors. <b>2019</b> , 143, 728-735	20
489	Hollow rod-like hybrid Co <sub>2</sub> CrO <sub>4</sub> /Co <sub>1-x</sub> S for high-performance asymmetric supercapacitor. <b>2019</b> , 30, 1045-1055	3
488	The synthesis and electrochemical performance of NiCo <sub>2</sub> O <sub>4</sub> embedded carbon nanofibers for high-performance supercapacitors. <b>2019</b> , 27, 189-197	15
487	High mass loading of h-WO <sub>3</sub> and MnO <sub>2</sub> on flexible carbon cloth for high-energy aqueous asymmetric supercapacitor. <b>2019</b> , 299, 245-252	41
486	Mesoporous CeZr <sub>2</sub> O <sub>7</sub> /PbS Nanocomposite with an Excellent Supercapacitor Electrode Performance and Cyclic Stability. <b>2019</b> , 4, 655-661	10



485	Hetero-structured nanocomposites of Ni/co/O/S for high-performance pseudo-supercapacitors. <b>2019</b> , 299, 298-311	14
484	Capacitance controlled, hierarchical porous 3D ultra-thin carbon networks reinforced prussian blue for high performance Na-ion battery cathode. <b>2019</b> , 58, 192-201	64
483	FeO nanospheres in situ decorated graphene as high-performance anode for asymmetric supercapacitor with impressive energy density. <b>2019</b> , 536, 235-244	55
482	Microwave-assisted synthesis of novel 3D flower-like NiMnO <sub>3</sub> nanoballs as electrode material for high-performance supercapacitors. <b>2019</b> , 775, 1109-1116	19
481	Enhanced electrochemical performance of C-NiO/NiCo <sub>2</sub> O <sub>4</sub> //AC asymmetric supercapacitor based on material design and device exploration. <b>2019</b> , 296, 335-344	18
480	Three-Dimensional Nitrogen-Doped Graphene Frameworks from Electrochemical Exfoliation of Graphite as Efficient Supercapacitor Electrodes. <b>2019</b> , 5, 152-157	13
479	Boosting operating voltage of vanadium oxide-based symmetric aqueous supercapacitor to 2 V. <b>2019</b> , 358, 1529-1538	25
478	From biological waste to honeycomb-like porous carbon for high energy density supercapacitor. <b>2019</b> , 54, 4917-4927	19
477	Enhancement in electrochemical performance of nitrogen-doped hierarchical porous carbon-based supercapacitor by optimizing activation temperature. <b>2019</b> , 30, 2600-2609	7
476	Enhanced electrocatalytic performance for the oxidation of methanol by hierarchical NiS/Ni(OH) <sub>2</sub> @polypyrrole/graphene oxide nanosheets. <b>2019</b> , 471, 355-367	18
475	Microwave-assisted rapid synthesis of NiCo <sub>2</sub> S <sub>4</sub> nanotube arrays on Ni foam for high-cycling-stability supercapacitors. <b>2019</b> , 780, 164-169	10
474	Advanced Carbon for Flexible and Wearable Electronics. <b>2019</b> , 31, e1801072	458
473	A review on recent advances in hybrid supercapacitors: Design, fabrication and applications. <b>2019</b> , 101, 123-145	566
472	Solid-state chemical fabrication of one-dimensional mesoporous Ehmickel molybdate nanorods as remarkable electrode material for supercapacitors. <b>2019</b> , 534, 322-331	23
471	Carbon nanotube- and graphene-based nanomaterials and applications in high-voltage supercapacitor: A review. <b>2019</b> , 141, 467-480	386
470	Facile construction of Co(OH) <sub>2</sub> @Ni(OH) <sub>2</sub> core-shell nanosheets on nickel foam as three dimensional free-standing electrode for supercapacitors. <b>2019</b> , 293, 40-46	40
469	Bimetallic nickel molybdate supported Pt catalyst for efficient removal of formaldehyde at low temperature. <b>2020</b> , 87, 173-183	16
468	An all-in-one strategy for the adsorption of heavy metal ions and photodegradation of organic pollutants using steel slag-derived calcium silicate hydrate. <b>2020</b> , 382, 121120	33

467	In situ grown 3D hierarchical MnCo <sub>2</sub> O <sub>4.5</sub> @Ni(OH) <sub>2</sub> nanosheet arrays on Ni foam for efficient electrocatalytic urea oxidation. <b>2020</b> , 381, 122603	65
466	Heterostructure arrays of NiMoO <sub>4</sub> nanoflakes on N-doping of graphene for high-performance asymmetric supercapacitors. <b>2020</b> , 816, 152625	25
465	MnO <sub>2</sub> nanosheets grown on N-doped agaric-derived three-dimensional porous carbon for asymmetric supercapacitors. <b>2020</b> , 815, 152344	29
464	Electrochemical impedance investigation of urea oxidation in alkaline media based on electrospun nanofibers towards the technology of direct-urea fuel cells. <b>2020</b> , 816, 152513	25
463	Anchoring 2D NiMoO <sub>4</sub> nano-plates on flexible carbon cloth as a binder-free electrode for efficient energy storage devices. <b>2020</b> , 46, 4470-4476	15
462	A general bimetal-ion adsorption strategy to prepare nickel single atom catalysts anchored on graphene for efficient oxygen evolution reaction. <b>2020</b> , 43, 52-57	51
461	Multiple synergistic effects of graphene-based hybrid and hexagonal born nitride in enhancing thermal conductivity and flame retardancy of epoxy. <b>2020</b> , 379, 122402	65
460	Rational Design of Nanostructured Electrode Materials toward Multifunctional Supercapacitors. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1902564	15.6 134
459	Boosting visible-light hydrogen evolution of covalent-organic frameworks by introducing Ni-based noble metal-free co-catalyst. <b>2020</b> , 379, 122342	62
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457	Ni-based tantalate sensing electrode for fast and low detection limit of acetone sensor combining stabilized zirconia. <b>2020</b> , 304, 127375	9
456	EDTA-Co(II) sodium complex derived Co(OH) <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> /Co nanoparticles embedded in nitrogen-enriched graphitic porous carbon as lithium-ion battery anode with superior cycling stability. <b>2020</b> , 504, 144515	16
455	A Simple Glucose-Blowing Approach to Graphene-Like Foam/NiO Composites for Asymmetric Supercapacitors. <b>2020</b> , 8, 1900923	7
454	Well-designed nanosheet-constructed porous CoMoS <sub>4</sub> arrays for ultrahigh-performance supercapacitors. <b>2020</b> , 46, 4878-4888	18
453	Free-standing N-Graphene as conductive matrix for Ni(OH) <sub>2</sub> based supercapacitive electrodes. <b>2020</b> , 334, 135592	24
452	Nickel-containing N-doped carbon as effective electrocatalysts for the reduction of CO <sub>2</sub> to CO in a continuous-flow electrolyzer. <b>2020</b> , 4, 1296-1311	9
451	Preparation of hierarchical hexagonal nanoplates NiO composite with microcrystalline graphite for highly reversible lithium storage. <b>2020</b> , 815, 152333	6
450	A new generation of energy storage electrode materials constructed from carbon dots. <b>2020</b> , 4, 729-749	34

449	La:Ni-Cl oxyhydroxide gels with enhanced electroactivity as positive materials for hybrid supercapacitors. <b>2020</b> , 49, 1107-1115	7
448	Oxidant-assisted direct-sulfidization of nickel foam toward a self-supported hierarchical Ni <sub>3</sub> S <sub>2</sub> @Ni electrode for asymmetric all-solid-state supercapacitors. <b>2020</b> , 448, 227408	32
447	Controllable synthesis of reduced graphene oxide/nickel hydroxide composites with different morphologies for high performance supercapacitors. <b>2020</b> , 820, 153120	22
446	A MoNiO <sub>4</sub> flower-like electrode material for enhanced electrochemical properties via a facile chemical bath deposition method for supercapacitor applications. <b>2020</b> , 44, 522-529	23
445	High-performance supercapacitor electrode based on 3D rose-like Ni(OH) <sub>2</sub> /rGO nanohybrid. <b>2020</b> , 138, 109297	22
444	Preparation and performance of multiwall carbon nanotubes/FeNi <sub>3</sub> /polyaniline composite electrode material for supercapacitors. <b>2020</b> , 26, 2525-2536	2
443	Advanced catalysts for hydrogen evolution reaction based on MoS <sub>2</sub> /NiCo <sub>2</sub> S <sub>4</sub> heterostructures in Alkaline Media. <b>2020</b> , 45, 1759-1768	12
442	Efficient hydrogen production via urea electrolysis with cobalt doped nickel hydroxide-riched hybrid films: Cobalt doping effect and mechanism aspect. <b>2020</b> , 381, 454-461	23
441	Design of reduced graphene oxide supported NiMoS <sub>4</sub> to enhance energy capacity of hybrid supercapacitors. <b>2020</b> , 586, 124289	11
440	High-performance electrode material for electric double-layer capacitor based on hydrothermal pre-treatment of lignin by ZnCl <sub>2</sub> . <b>2020</b> , 508, 144536	20
439	Binder-free honeycomb-like FeMoO <sub>4</sub> nanosheet arrays with dual properties of both battery-type and pseudocapacitive-type performances for supercapacitor applications. <b>2020</b> , 27, 101055	29
438	Utilizing human hair for solid-state flexible fiber-based asymmetric supercapacitors. <b>2020</b> , 508, 145260	13
437	All solid state stretchable carbon nanotube based supercapacitors with controllable output voltage. <b>2020</b> , 32, 101844	4
436	In situ vanadophosphomolybdate impregnated into conducting polypyrrole for supercapacitor. <b>2020</b> , 364, 137286	15
435	Hybrid supercapacitor based on graphene and Ni/Ni(OH) <sub>2</sub> nanoparticles formed by a modified electrochemical exfoliation method. <b>2020</b> , 760, 138019	3
434	Iron nanoparticles loaded on nickel sulfide nanosheets: an efficient amorphous catalyst for water oxidation. <b>2020</b> , 4, 5498-5502	1
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432	Self-assembly of Alternating Stacked 2D/2D Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene/ZnMnNi LDH van der Waals Heterostructures with Ultrahigh Supercapacitive Performance. <b>2020</b> , 3, 10242-10254	15

431	Ultra-high rate capability of nanoporous carbon network@VO sub-micron brick composite as a novel cathode material for asymmetric supercapacitors. <b>2020</b> , 12, 23213-23224	7
430	Polyindole batteries and supercapacitors. <b>2020</b> , 33, 336-359	25
429	Using Ca <sub>2</sub> Nd <sub>0.1</sub> Co <sub>4</sub> O <sub>9</sub> +Pb perovskites to convert a flexible carbon nanotube based supercapacitor to a battery-like device. <b>2020</b> , 355, 136768	1
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427	Self-supported nickel cobalt carbonate hydroxide nanowires encapsulated cathodically expanded graphite paper for supercapacitor electrodes. <b>2020</b> , 363, 137236	13
426	Low-Cost MnO <sub>2</sub> Nanoflowers and La <sub>2</sub> O <sub>3</sub> Nanospheres as Efficient Electrodes for Asymmetric Supercapacitors. <b>2020</b> , 34, 14882-14892	6
425	Growth of 2D nanoflakes from 1D long leaf arrays: Electrochemical influence of copper and nickel co-substituted cobalt oxide. <b>2020</b> , 32, 101871	13
424	Aggregates of Ni/Ni(OH)/NiOOH Nanoworms on Carbon Cloth for Electrocatalytic Hydrogen Evolution. <b>2020</b> , 36, 14019-14030	7
423	A heterogeneous interface on NiS@Ni <sub>3</sub> S <sub>2</sub> /NiMoO <sub>4</sub> heterostructures for efficient urea electrolysis. <b>2020</b> , 8, 18055-18063	57
422	Designing quinone-dopamine-based conjugates as six electron system for high-performance hybrid electrode. <b>2020</b> , 357, 136835	7
421	Bi(nanoparticles)/CN(nanosheets) nanocomposites as high capacity and stable electrode materials for supercapacitors: the role of urea. <b>2020</b> , 49, 12197-12209	3
420	Effect of aqueous electrolytes on the supercapacitive performance of glycol-mediated CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. <b>2020</b> , 15, e2548	3
419	SILAR deposited nickel sulphide-nickel hydroxide nanocomposite for high performance asymmetric supercapacitor. <b>2020</b> , 356, 136844	13
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417	Binder free high performance hybrid supercapacitor device based on nickel ferrite nanoparticles. <b>2020</b> , 31, 101677	12
416	Enhanced stability and ultrahigh activity of amorphous ripple nanostructured Ni-doped Fe oxyhydroxide electrode toward synergetic electrocatalytic water splitting.. <b>2020</b> , 10, 26364-26373	10
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410	Zn Metal Atom Doping on the Surface Plane of One-Dimensional NiMoO Nanorods with Improved Redox Chemistry. <b>2020</b> , 12, 44815-44829	26
409	Neuron-like hierarchical manganese sulfide@Cu <sub>2</sub> S core/shell arrays on Ni foam as an advanced electrode for an asymmetric supercapacitor. <b>2020</b> , 22, 6047-6056	6
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407	Efficient Ni(OH) <sub>2</sub> /WO <sub>3</sub> Photoanode for Photoelectrocatalytic Water Splitting at Low Bias. <b>2020</b> , 124, 19447-19456	6
406	Hybrid heterostructures of graphene and molybdenum disulfide: The structural characterization and its supercapacitive performance in 6M KOH electrolyte. <b>2020</b> , 5, 554-559	4
405	Supercapacitor performance of porous nickel cobaltite nanosheets. <b>2020</b> , 10, 18956	10
404	Controllable and fast growth of ultrathin Ni(OH) <sub>2</sub> nanosheets on polydopamine based N-doped carbon spheres for supercapacitors application. <b>2020</b> , 270, 116580	4
403	Femtosecond Laser-Etched MXene Microsupercapacitors with Double-Side Configuration via Arbitrary On- and Through-Substrate Connections. <b>2020</b> , 10, 2000470	24
402	Graphene Matrix Sheathed Metal Vanadate Porous Nanospheres for Enhanced Longevity and High-Rate Energy Storage Devices. <b>2020</b> , 12, 27074-27086	17
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397	An ultra-effective pathway for fully removing the oxygen components of graphene oxide by a flame-assisted microwave process. <b>2020</b> , 49, 6964-6968	2
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395	Bioelectricity generation using iron(II) molybdate nanocatalyst coated anode during treatment of sugar wastewater in microbial fuel cell. <b>2020</b> , 277, 118119	23
394	Electrodeposited spruce leaf-like structured copper bismuth oxide electrode for supercapacitor application. <b>2020</b> , 229, 111359	4
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224	Hierarchical NiCr hydroxide nanospheres with tunable domain boundaries for highly efficient urea electro-oxidation. <b>2021</b> , 388, 138633	4
223	Co-electrophoretic deposition of Mn <sub>2</sub> O <sub>3</sub> /activated carbon on CuO nanowire array growth on copper foam as a binder-free electrode for high-performance supercapacitors. 1	1
222	Performance enhancement of graphene/GO/rGO based supercapacitors: A comparative review. <b>2021</b> , 28, 102685	4
221	Self-assembled Co-doped $\delta$ -Bi <sub>2</sub> O <sub>3</sub> flower-like structure for enhanced photocatalytic antibacterial effect under visible light. <b>2021</b> , 572, 151348	1
220	Synthesis and plasma treatment of nitrogen-doped graphene fibers for high-performance supercapacitors. <b>2021</b> , 48, 2058-2058	3
219	$\delta$ -Ni(OH) <sub>2</sub> /nickel-cobalt layered double hydroxides coupled with fluorine-modified graphene as high-capacitance supercapacitor electrodes with improved cycle life. <b>2021</b> , 875, 159929	5
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217	Atomically Dispersed Ruthenium on Nickel Hydroxide Ultrathin Nanoribbons for Highly Efficient Hydrogen Evolution Reaction in Alkaline Media. <b>2021</b> , 33, e2104764	10
216	Super-Flexible Carbon Nanofiber Networks Containing PAN/PVP and Composites Coated with NiCo <sub>2</sub> O <sub>4</sub> Nanosheets as Self-Supporting Electrodes for Supercapacitors and Sodium-Ion Batteries**. <b>2021</b> , 8, 3894	0

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214	Nickel-cobalt layered double hydroxide nanosheets anchored to the inner wall of wood carbon tracheids by nitrogen-doped atoms for high-performance supercapacitors. <b>2022</b> , 608, 70-78	9
213	Controllable synthesis of NiCo-LDH/Co(OH) <sub>2</sub> @PPY composite via electrodeposition at high deposition voltages for high-performance supercapacitors. <b>2021</b> , 875, 160042	4
212	Visualization of Bubble Nucleation and Growth Confined in 2D Flakes. <b>2021</b> , 17, e2103301	2
211	Ni, N-codoped NiMoO <sub>4</sub> grown on 3D nickel foam as bifunctional electrocatalysts for hydrogen production in urea-water electrolysis. <b>2021</b> , 391, 138931	6
210	In situ growth of hydrophilic nickel-cobalt layered double hydroxides nanosheets on biomass waste-derived porous carbon for high-performance hybrid supercapacitors. <b>2021</b> , 3, 55-55	2
209	Template assisted synthesis of porous termite nest-like manganese cobalt phosphide as binder-free electrode for supercapacitors. <b>2021</b> , 393, 139060	3
208	Effect of metal/metal oxide catalysts on graphene fiber for improved NO <sub>2</sub> sensing. <b>2021</b> , 344, 130231	1
207	Flexible supercapacitor: Overview and outlooks. <b>2021</b> , 42, 103053	33
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205	NiCo <sub>2</sub> O <sub>4</sub> nanoneedle/Mo <sub>2</sub> C-coated carbon cloth as efficient catalyst for water splitting and metal-air battery. <b>2021</b> , 280, 116894	2
204	Microwave hydrothermal synthesis and electrochemical characterization of NiMoO <sub>4</sub> nanosheets/SnO <sub>2</sub> nanospheres/rGO nanocomposite as high-performance anode for lithium-ion batteries. <b>2021</b> , 133, 108916	0
203	Phase-controlled growth of nickel hydroxide nanostructures on nickel foam for enhanced supercapacitor performance. <b>2021</b> , 43, 103171	6
202	Ni(OH) <sub>2</sub> quantum dots as a stable cocatalyst modified Fe <sub>2</sub> O <sub>3</sub> for enhanced photoelectrochemical water-splitting. <b>2021</b> , 42, 1999-2009	3
201	Design and construction of hierarchical sea urchin-like NiCo-LDH@ACF composites for high-performance supercapacitors. <b>2021</b> , 171, 113900	5
200	Enhancing the Cycling Stability of Transition-Metal-Oxide-Based Electrochemical Electrode via Pourbaix Diagram Engineering. <b>2021</b> , 42, 252-258	7
199	High performance alkaline battery-supercapacitor hybrid device based on diffusion driven double shelled CoSn(OH) <sub>6</sub> nanocube@Ni(OH) <sub>2</sub> core-shell nanoflower. <b>2021</b> , 43, 103206	1
198	Coat multi-layered graphene on Cu with radiofrequency plasmas for anti-oxidization in hot air. <b>2021</b> , 274, 125155	1



197	Biomass derived carbon containing in-situ constructed nickel-based hydroxide nanostructures based on MnO <sub>2</sub> template for high performance asymmetric supercapacitors. <b>2021</b> , 884, 161149	1
196	Stone-Wales defect-rich carbon-supported dual-metal single atom sites for Zn-air batteries. <b>2021</b> , 90, 106488	9
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103	Unveiling the synergistic effect of cobalt ion in nickel-cobalt layered double hydroxide for electrochemical energy storage: Experimental and computational approaches. <b>2022</b> , 140547	0
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99	One-step rapid synthesis of NiMoO <sub>4</sub> ·xH <sub>2</sub> O nanowires by dielectric barrier discharge micro-plasma method for high-efficiency non-enzymatic glucose sensing.	0
98	Critical Aspects of Various Techniques for Synthesizing Metal Oxides and Fabricating Their Composite-Based Supercapacitor Electrodes: A Review. <b>2022</b> , 12, 1873	2
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88	NiFe Layered Double Hydroxide Electrocatalysts for an Efficient Oxygen Evolution Reaction.	1
87	Interdependence of the electrical performance of NiCuFeCoMn multi-structure carbonates as electrode material for supercapacitors. <b>2022</b> , 166222	1
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73	Superhydrophobic nanofibrous sponge with hierarchically layered structure for efficient harsh environmental oil-water separation. <b>2022</b> , 440, 129790	1
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