

# Design and Tailoring of the Nanotubular Arrayed Architecture Generation Supercapacitors

Nano Letters

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Inorganic Nanotubes and Fullerene-Like Structures (IF). Topics in Applied Physics, 2007, , 631-671.	0.4	47
2	Carbon/nanostructured Ru composites as electrodes for supercapacitors. New Carbon Materials, 2007, 22, 302-306.	2.9	15
3	Well-Aligned Ternary Cd <sub>1-x</sub> Zn <sub>x</sub> S Nanowire Arrays and Their Composition-Dependent Field Emission Properties. Journal of Physical Chemistry C, 2007, 111, 13418-13426.	1.5	45
4	Textural and Capacitive Characteristics of Hydrothermally Derived RuO <sub>2</sub> ·xH <sub>2</sub> O Nanocrystallites:Â Independent Control of Crystal Size and Water Content. Chemistry of Materials, 2007, 19, 2112-2119.	3.2	166
5	Structures and Electrochemical Capacitive Properties of RuO <sub>2</sub> Vertical Nanorods Encased in Hydrous RuO <sub>2</sub> . Journal of Physical Chemistry C, 2007, 111, 9530-9537.	1.5	84
6	Controllable Fabrication and Electrical Performance of Single Crystalline Cu <sub>2</sub> O Nanowires with High Aspect Ratios. Nano Letters, 2007, 7, 3723-3728.	4.5	225
7	Pore-size dependence of AAO films on surface roughness of Al-1050 sheets controlled by electropolishing coupled with fractional factorial design. Surface and Coatings Technology, 2007, 201, 7259-7265.	2.2	57
8	Two-step hydrothermal synthesis of Ru-Sn oxide composites for electrochemical supercapacitors. Electrochimica Acta, 2007, 52, 4411-4418.	2.6	54
9	H <sub>2</sub> V <sub>3</sub> O <sub>8</sub> single-crystal nanobelts: Hydrothermal preparation and formation mechanism. Acta Materialia, 2007, 55, 6192-6197.	3.8	32
10	Modification of multi-walled carbon nanotubes for electric double-layer capacitors: Tube opening and surface functionalization. Journal of Physics and Chemistry of Solids, 2007, 68, 2353-2362.	1.9	61
11	Carbon nanofibre/hydrous RuO <sub>2</sub> nanocomposite electrodes for supercapacitors. Journal of Power Sources, 2007, 168, 546-552.	4.0	131
12	Soft template synthesis of mesoporous Co <sub>3</sub> O <sub>4</sub> /RuO <sub>2</sub> ·xH <sub>2</sub> O composites for electrochemical capacitors. Electrochimica Acta, 2008, 53, 3296-3304.	2.6	91
13	Aligned Titania Nanotubes as an Intercalation Anode Material for Hybrid Electrochemical Energy Storage. Advanced Functional Materials, 2008, 18, 3787-3793.	7.8	97
14	Fabrication and electrochemical characterization of cobalt-based layered double hydroxide nanosheet thin-film electrodes. Journal of Power Sources, 2008, 184, 682-690.	4.0	85
15	GaN taper rods: Solid-phase synthesis, crystal defects, and optical properties. Journal of Solid State Chemistry, 2008, 181, 1634-1641.	1.4	9
16	Viologen-assisted manganese oxide electrode for improved electrochemical supercapacitors. Journal of Electroanalytical Chemistry, 2008, 624, 167-173.	1.9	19
17	Pulse deposition of large area, patterned manganese oxide nanowires in variable aspect ratios without templates. Electrochemistry Communications, 2008, 10, 1792-1796.	2.3	28
18	Template-based synthesis of nanorod, nanowire, and nanotube arrays. Advances in Colloid and Interface Science, 2008, 136, 45-64.	7.0	331

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19	Novel method for the preparation of carbon supported nano-sized amorphous ruthenium oxides for supercapacitors. <i>Electrochemistry Communications</i> , 2008, 10, 1035-1037.	2.3	18
20	Anodic deposition of hydrous ruthenium oxide for supercapacitors: Effects of the $\text{AcO}^-$ concentration, plating temperature, and oxide loading. <i>Electrochimica Acta</i> , 2008, 53, 2679-2687.	2.6	22
21	Analyzing the electroactive surface of gold nanopillars by electrochemical methods for electrode miniaturization. <i>Electrochimica Acta</i> , 2008, 53, 6265-6272.	2.6	57
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23	Synthesis of Ru/multiwalled carbon nanotubes by microemulsion for electrochemical supercapacitor. <i>Materials Research Bulletin</i> , 2008, 43, 2818-2824.	2.7	19
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25	Synthesis of hybrid nanowire arrays and their application as high power supercapacitor electrodes. <i>Chemical Communications</i> , 2008, , 2373.	2.2	180
26	Electrodeposited nickel hydroxide on nickel foam with ultrahigh capacitance. <i>Chemical Communications</i> , 2008, , 6537.	2.2	533
28	Supercapacitive behavior of CVD carbon nanotubes grown on Ti coated Si wafer. <i>Diamond and Related Materials</i> , 2008, 17, 906-911.	1.8	23
29	Well-Aligned Cone-Shaped Nanostructure of Polypyrrole/ $\text{RuO}_2$ and Its Electrochemical Supercapacitor. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14843-14847.	1.5	231
30	Effects of the Co content in the material characteristics and supercapacitive performance of binary Mn-Co oxide electrodes. <i>Journal of Alloys and Compounds</i> , 2008, 461, 667-674.	2.8	35
31	Electrochemical Deposition of Porous $\text{Co}(\text{OH})_2$ Nanoflake Films on Stainless Steel Mesh for Flexible Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2008, 155, A926.	1.3	64
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34	Synthesis of Ruthenium Dioxide Nanoparticles by a Two-Phase Route and Their Electrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16219-16224.	1.5	26
35	Nanostructured Metal Oxide and Composite Electrodes for Use in Ultracapacitors. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1113, 1.	0.1	0
36	Formation of Ru Nanotubes by Atomic Layer Deposition onto an Anodized Aluminum Oxide Template. <i>Electrochemical and Solid-State Letters</i> , 2008, 11, K61.	2.2	40
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38	Synthesis of Polypyrrole-Intercalated Layered Manganese Oxide Nanocomposite by a Delamination-Reassembling Method and Its Electrochemical Capacitance Performance. <i>Electrochemical and Solid-State Letters</i> , 2009, 12, A95.	2.2	37
39	Anodic Deposition of Vanadium Oxides for Thermal-Induced Growth of Vanadium Oxide Nanowires. <i>Journal of the Electrochemical Society</i> , 2009, 156, D485.	1.3	18
40	Layer-By-Layer assembled thin films of inorganic nanomaterials: fabrication and photo-electrochemical properties. <i>International Journal of Surface Science and Engineering</i> , 2009, 3, 44.	0.4	10
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45	Amorphous carbon nanofibres inducing high specific capacitance of deposited hydrous ruthenium oxide. <i>Electrochimica Acta</i> , 2009, 54, 7452-7457.	2.6	29
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47	Improved performances of mechanical-activated LiMn <sub>2</sub> O <sub>4</sub> /MWNTs cathode for aqueous rechargeable lithium batteries. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1943-1948.	1.5	32
48	Template-free synthesis of ordered mesoporous NiO/poly(sodium-4-styrene sulfonate) functionalized carbon nanotubes composite for electrochemical capacitors. <i>Nano Research</i> , 2009, 2, 722-732.	5.8	57
49	Nanoelectrodes: energy conversion and storage. <i>Materials Today</i> , 2009, 12, 20-27.	8.3	61
50	Manganese oxide-carbon composite as supercapacitor electrode materials. <i>Microporous and Mesoporous Materials</i> , 2009, 123, 260-267.	2.2	150
51	Nanostructured manganese dioxides: Synthesis and properties as supercapacitor electrode materials. <i>Electrochimica Acta</i> , 2009, 54, 1240-1248.	2.6	108
52	Influence of microstructure on the capacitive performance of polyaniline/carbon nanotube array composite electrodes. <i>Electrochimica Acta</i> , 2009, 54, 1153-1159.	2.6	155
53	Influence of the mesoporous structure on capacitance of the RuO <sub>2</sub> electrode. <i>Journal of Power Sources</i> , 2009, 189, 1284-1291.	4.0	41
54	Bi <sub>2</sub> O <sub>3</sub> deposited on highly ordered mesoporous carbon for supercapacitors. <i>Electrochemistry Communications</i> , 2009, 11, 313-317.	2.3	111
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57	Textural and pseudocapacitive characteristics of sol-gel derived RuO <sub>2</sub> ·xH <sub>2</sub> O: Hydrothermal annealing vs. annealing in air. <i>Electrochimica Acta</i> , 2009, 54, 978-983.	2.6	43
58	Nanostructural and Morphological Control of Ruthenium Compounds Templated by Surfactant Assemblies. <i>Crystal Growth and Design</i> , 2009, 9, 5092-5100.	1.4	5
59	RuO <sub>2</sub> /carbon nanotubes composites synthesized by microwave-assisted method for electrochemical supercapacitor. <i>Synthetic Metals</i> , 2009, 159, 158-161.	2.1	43
60	Capacitive properties of RuO <sub>2</sub> and Ru-Co mixed oxide deposited on single-walled carbon nanotubes for high-performance supercapacitors. <i>Synthetic Metals</i> , 2009, 159, 1389-1392.	2.1	40
61	Carbon-based materials as supercapacitor electrodes. <i>Chemical Society Reviews</i> , 2009, 38, 2520.	18.7	6,276
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65	Engineered Macroporosity in Single-Wall Carbon Nanotube Films. <i>Nano Letters</i> , 2009, 9, 677-683.	4.5	81
66	Enhancement in electrochemical catalytic activity of mesoporous RuO <sub>x</sub> H <sub>y</sub> and Pt/RuO <sub>x</sub> H <sub>y</sub> by gas treatment. <i>Dalton Transactions</i> , 2009, , 3395.	1.6	9
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70	Synthesis and pseudocapacitive studies of composite films of polyaniline and manganese oxide nanoparticles. <i>Journal of Power Sources</i> , 2010, 195, 3742-3747.	4.0	192
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75	Ruthenium oxide/nbium hydroxide composites for pseudocapacitor electrodes. Materials Chemistry and Physics, 2010, 124, 359-370.	2.0	15
76	Self-assembled manganese dioxide nanowires as electrode materials for electrochemical capacitors. Materials Letters, 2010, 64, 2670-2672.	1.3	36
77	Pseudocapacitive Properties of Nanostructured Anhydrous Ruthenium Oxide Thin Film Prepared by Electrostatic Spray Deposition and Electrochemical Lithiation/Delithiation. Fuel Cells, 2010, 10, 865-872.	1.5	11
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81	Facile synthesis and electrochemical properties of conducting SrRuO <sub>3</sub> /RuO <sub>2</sub> composite nanofibre mats. Journal of Power Sources, 2010, 195, 1522-1528.	4.0	20
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88	Pine-cone morphology and pseudocapacitive behavior of nanoporous nickel oxide. Electrochimica Acta, 2010, 55, 8388-8396.	2.6	186
89	Preparation of a graphene nanosheet/polyaniline composite with high specific capacitance. Carbon, 2010, 48, 487-493.	5.4	999
90	Synthesis and Applications of Zirconia and Ruthenium Oxide Nanotubes. Topics in Applied Physics, 2010, , 117-133.	0.4	2
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92	Improved Specific Capacitance of Amorphous Vanadium Pentoxide in a Nanoporous Alumina Template. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, A25.	2.2	12
93	Microwave-Assisted Hydrothermal Synthesis of RuO <sub>2</sub> ·xH <sub>2</sub> O@TiO <sub>2</sub> Nanocomposites for High Power Supercapacitors. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, A173.	2.2	25
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95	A unique strategy for preparing single-phase unitary/binary oxides@graphene composites. <i>Chemical Communications</i> , 2010, 46, 7957.	2.2	63
96	Redox Exchange Induced MnO <sub>2</sub> Nanoparticle Enrichment in Poly(3,4-ethylenedioxythiophene) Nanowires for Electrochemical Energy Storage. <i>ACS Nano</i> , 2010, 4, 4299-4307.	7.3	239
97	Mesoporous MnO <sub>2</sub> /Carbon Aerogel Composites as Promising Electrode Materials for High-Performance Supercapacitors. <i>Langmuir</i> , 2010, 26, 2209-2213.	1.6	228
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99	Nano-architected Co(OH) <sub>2</sub> electrodes constructed using an easily-manipulated electrochemical protocol for high-performance energy storage applications. <i>Journal of Materials Chemistry</i> , 2010, 20, 3729.	6.7	228
100	Growth of Polyaniline on Hollow Carbon Spheres for Enhancing Electrocapacitance. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19867-19874.	1.5	197
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102	Template Synthesis of Tubular Ruthenium Oxides for Supercapacitor Applications. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13608-13613.	1.5	144
103	Facile Coating of Manganese Oxide on Tin Oxide Nanowires with High-Performance Capacitive Behavior. <i>ACS Nano</i> , 2010, 4, 4247-4255.	7.3	518
104	Electrochemical Synthesis of Polyaniline Nanobelts with Predominant Electrochemical Performances. <i>Macromolecules</i> , 2010, 43, 2178-2183.	2.2	223
105	Nanostructured Ruthenium Oxide Electrodes via High-Temperature Molecular Templating for Use in Electrochemical Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 778-787.	4.0	28
106	Design and Synthesis of Hierarchical MnO <sub>2</sub> Nanospheres/Carbon Nanotubes/Conducting Polymer Ternary Composite for High Performance Electrochemical Electrodes. <i>Nano Letters</i> , 2010, 10, 2727-2733.	4.5	898
107	Synthesis of hierarchical rippled Bi <sub>2</sub> O <sub>3</sub> nanobelts for supercapacitor applications. <i>Chemical Communications</i> , 2010, 46, 5021.	2.2	206
108	The Nickel Oxide/CNT Composites with High Capacitance for Supercapacitor. <i>Journal of the Electrochemical Society</i> , 2010, 157, A818.	1.3	101
109	Microstructure and Pseudocapacitive Properties of Electrodes Constructed of Oriented NiO-TiO <sub>2</sub> Nanotube Arrays. <i>Nano Letters</i> , 2010, 10, 4099-4104.	4.5	417

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110	Highly Dispersed RuO <sub>2</sub> Nanoparticles on Carbon Nanotubes: Facile Synthesis and Enhanced Supercapacitance Performance. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2448-2451.	1.5	312
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113	Controllable growth of La(OH) <sub>3</sub> nanorod and nanotube arrays. <i>CrystEngComm</i> , 2010, 12, 4066.	1.3	18
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117	Synthesis and characterization of RuO <sub>2</sub> /poly(3,4-ethylenedioxythiophene) composite nanotubes for supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4309.	1.3	122
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119	Porous nickel oxide nano-sheets for high performance pseudocapacitance materials. <i>Journal of Materials Chemistry</i> , 2011, 21, 16581.	6.7	175
120	Enhanced charge storage by the electrocatalytic effect of anodic TiO <sub>2</sub> nanotubes. <i>Nanoscale</i> , 2011, 3, 4174.	2.8	34
121	MnO <sub>2</sub> /TiN heterogeneous nanostructure design for electrochemical energy storage. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15221.	1.3	50
122	High to ultra-high power electrical energy storage. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20714.	1.3	134
123	Facile Synthesis of Highly Conductive RuO <sub>2</sub> -Mn <sub>3</sub> O <sub>4</sub> Composite Nanofibers via Electrospinning and Their Electrochemical Properties. <i>Journal of the Electrochemical Society</i> , 2011, 158, A970.	1.3	36
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126	Beta-phased Ni(OH) <sub>2</sub> nanowall film with reversible capacitance higher than theoretical Faradic capacitance. <i>Chemical Communications</i> , 2011, 47, 9651.	2.2	261
127	Interface Applications in Nanomaterials. <i>Interface Science and Technology</i> , 2011, 18, 333-429.	1.6	2
128	High-rate electrochemical capacitors from highly graphitic carbon-tipped manganese oxide/mesoporous carbon/manganese oxide hybrid nanowires. <i>Energy and Environmental Science</i> , 2011, 4, 1813.	15.6	315



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130	Hybrid structure of cobalt monoxide nanowire @ nickel hydroxidenitrate nanoflake aligned on nickel foam for high-rate supercapacitor. <i>Energy and Environmental Science</i> , 2011, 4, 4496.	15.6	386
131	Flexible Zn <sub>2</sub> SnO <sub>4</sub> /MnO <sub>2</sub> Core/Shell Nanocable~Carbon Microfiber Hybrid Composites for High-Performance Supercapacitor Electrodes. <i>Nano Letters</i> , 2011, 11, 1215-1220.	4.5	807
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133	Effect of Microwave on the Nanowire Morphology, Optical, Magnetic, and Pseudocapacitance Behavior of Co <sub>3</sub> O <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , 2011, 115, 25543-25556.	1.5	240
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136	Facile synthesis of large-area manganese oxide nanorod arrays as a high-performance electrochemical supercapacitor. <i>Energy and Environmental Science</i> , 2011, 4, 2915.	15.6	479
137	ZnO@MoO <sub>3</sub> core/shell nanocables: facile electrochemical synthesis and enhanced supercapacitor performances. <i>Journal of Materials Chemistry</i> , 2011, 21, 4217.	6.7	178
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139	Monolayer graphene/NiO nanosheets with two-dimension structure for supercapacitors. <i>Journal of Materials Chemistry</i> , 2011, 21, 18792.	6.7	305
140	Fabrication of Co <sub>3</sub> O <sub>4</sub> -reduced graphene oxide scrolls for high-performance supercapacitor electrodes. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14462.	1.3	215
141	One dimensional MnO <sub>2</sub> /titanium nitride nanotube coaxial arrays for high performance electrochemical capacitive energy storage. <i>Energy and Environmental Science</i> , 2011, 4, 3502.	15.6	221
142	Electrochemical capacitors utilising transition metal oxides: an update of recent developments. <i>RSC Advances</i> , 2011, 1, 1171.	1.7	278
143	Highly dispersed Fe <sub>3</sub> O <sub>4</sub> nanosheets on one-dimensional carbon nanofibers: Synthesis, formation mechanism, and electrochemical performance as supercapacitor electrode materials. <i>Nanoscale</i> , 2011, 3, 5034.	2.8	299
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145	Electrochemical performance of a graphene~polypyrrole nanocomposite as a supercapacitor electrode. <i>Nanotechnology</i> , 2011, 22, 295202.	1.3	146
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148	Fabrication of nickel hydroxide electrodes with open-ended hexagonal nanotube arrays for high capacitance supercapacitors. <i>Chemical Communications</i> , 2011, 47, 12122.	2.2	73
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151	Single-crystal ZnO nanorod/amorphous and nanoporous metal oxide shell composites: Controllable electrochemical synthesis and enhanced supercapacitor performances. <i>Energy and Environmental Science</i> , 2011, 4, 1288.	15.6	271
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198	Electrochemical capacitors: Technical challenges and prognosis for future markets. <i>Electrochimica Acta</i> , 2012, 84, 165-173.	2.6	182
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234	Porous nickel oxide microflowers synthesized by calcination of coordination microflowers and their applications as glutathione electrochemical sensor and supercapacitors. <i>Electrochimica Acta</i> , 2012, 85, 256-262.	2.6	65
235	Co <sub>2</sub> SnO <sub>4</sub> /activated carbon composite electrode for supercapacitor. <i>Materials Chemistry and Physics</i> , 2012, 137, 576-579.	2.0	21
236	Synthesis and electrochemical capacitance of long tungsten oxide nanorod arrays grown vertically on substrate. <i>Materials Research Bulletin</i> , 2012, 47, 3612-3618.	2.7	18
237	Liquid crystalline phase synthesis of nanoporous MnO <sub>2</sub> thin film arrays as an electrode material for electrochemical capacitors. <i>Materials Research Bulletin</i> , 2012, 47, 3120-3123.	2.7	8
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246	Electrodeposition of pyrrole and 3-(4-tert-butylphenyl)thiophene copolymer for supercapacitor applications. <i>Synthetic Metals</i> , 2012, 162, 2216-2221.	2.1	36
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251	Fabrication and electrochemical performances of hierarchical porous Ni(OH) <sub>2</sub> nanoflakes anchored on graphene sheets. <i>Journal of Materials Chemistry</i> , 2012, 22, 11494.	6.7	261
252	Facile synthesis of porous ZnO@NiO composite micropolyhedrons and their application for high power supercapacitor electrode materials. <i>Dalton Transactions</i> , 2012, 41, 13284.	1.6	130
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256	Hierarchical Co <sub>3</sub> O <sub>4</sub> @Ni-Co-O supercapacitor electrodes with ultrahigh specific capacitance per area. <i>Nano Research</i> , 2012, 5, 369-378.	5.8	156

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259	Surface Chemistry of Ruthenium Dioxide in Heterogeneous Catalysis and Electrocatalysis: From Fundamental to Applied Research. <i>Chemical Reviews</i> , 2012, 112, 3356-3426.	23.0	580
260	3D Hierarchical Co <sub>3</sub> O <sub>4</sub> Twin-Spheres with an Urchin-Like Structure: Large-Scale Synthesis, Multistep-Splitting Growth, and Electrochemical Pseudocapacitors. <i>Advanced Functional Materials</i> , 2012, 22, 4052-4059.	7.8	289
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262	Incorporation of Manganese Dioxide within Ultraporous Activated Graphene for High-Performance Electrochemical Capacitors. <i>ACS Nano</i> , 2012, 6, 5404-5412.	7.3	345
263	Mediating polymer crystal orientation using nanotemplates from block copolymer microdomains and anodic aluminium oxide nanochannels. <i>Soft Matter</i> , 2012, 8, 7306.	1.2	48
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266	A renewable bamboo carbon/polyaniline composite for a high-performance supercapacitor electrode material. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 877-882.	1.2	80
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272	Electrochemical quartz crystal microbalance study of amorphous MnO <sub>2</sub> prepared by anodic deposition. <i>Electrochimica Acta</i> , 2012, 61, 124-131.	2.6	34
273	One-step electrochemical composite polymerization of polypyrrole integrated with functionalized graphene/carbon nanotubes nanostructured composite film for electrochemical capacitors. <i>Electrochimica Acta</i> , 2012, 62, 132-139.	2.6	36
274	Low temperature hydrothermal synthesis of nano-sized manganese oxide for supercapacitors. <i>Electrochimica Acta</i> , 2012, 66, 302-305.	2.6	53



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276	Preparation of Co <sub>3</sub> O <sub>4</sub> nanowires grown on nickel foam with superior electrochemical capacitance. <i>Electrochimica Acta</i> , 2012, 75, 273-278.	2.6	75
277	Influence of Ag doped CuO nanosheet arrays on electrochemical behaviors for supercapacitors. <i>Electrochimica Acta</i> , 2012, 75, 208-212.	2.6	72
278	MoO <sub>3</sub> nanoparticles distributed uniformly in carbon matrix for supercapacitor applications. <i>Materials Letters</i> , 2012, 66, 102-105.	1.3	80
279	Synthesis of carbon nanowires as electrochemical electrode materials. <i>Materials Letters</i> , 2012, 69, 55-58.	1.3	15
280	Pulsed laser deposition of cobalt-doped manganese oxide thin films for supercapacitor applications. <i>Journal of Power Sources</i> , 2012, 198, 416-422.	4.0	75
281	Self-assembled synthesis of hierarchically porous NiO film and its application for electrochemical capacitors. <i>Journal of Power Sources</i> , 2012, 199, 413-417.	4.0	157
282	A cost-effective way to maintain metal-doped carbon xerogels and their applications on electric double-layer capacitors. <i>Journal of Power Sources</i> , 2012, 201, 340-346.	4.0	16
283	Charge storage on nanostructured early transition metal nitrides and carbides. <i>Journal of Power Sources</i> , 2012, 207, 212-215.	4.0	83
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408	Solution-based binder-free synthetic approach of RuO <sub>2</sub> thin films for all solid state supercapacitors. <i>Electrochimica Acta</i> , 2013, 103, 103-109.	2.6	85
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710	Asymmetric Supercapacitors Using 3D Nanoporous Carbon and Cobalt Oxide Electrodes Synthesized from a Single Metal-Organic Framework. <i>ACS Nano</i> , 2015, 9, 6288-6296.	7.3	890
711	Rational design of coaxial structured carbon nanotube-manganese oxide (CNT-MnO <sub>2</sub> ) for energy storage application. <i>Nanotechnology</i> , 2015, 26, 204004.	1.3	55
712	Hierarchical 3-dimensional CoMoO <sub>4</sub> nanoflakes on a macroporous electrically conductive network with superior electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13776-13785.	5.2	61
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715	Synthesis, characterization and electrochemical performances of nanocrystalline FeVO <sub>4</sub> as negative and LiCoPO <sub>4</sub> as positive electrode for asymmetric supercapacitor. <i>Electrochimica Acta</i> , 2015, 167, 97-104.	2.6	41
716	Hierarchical micro-architectures of electrodes for energy storage. <i>Journal of Power Sources</i> , 2015, 284, 435-445.	4.0	70
717	Redox-Mediated Synthesis of a Fe <sub>3</sub> O <sub>4</sub> @MnO <sub>2</sub> Nanocomposite for Dye Adsorption and Pseudocapacitance. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1571-1580.	1.7	27
718	One-step synthesis of copper compounds on copper foil and their supercapacitive performance. <i>RSC Advances</i> , 2015, 5, 36656-36664.	1.7	91
719	Asymmetric Paper Supercapacitor Based on Amorphous Porous Mn <sub>3</sub> O <sub>4</sub> Negative Electrode and Ni(OH) <sub>2</sub> Positive Electrode: A Novel and High-Performance Flexible Electrochemical Energy Storage Device. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 11444-11451.	4.0	198
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722	Highly ordered mesoporous NiCo <sub>2</sub> O <sub>4</sub> with superior pseudocapacitance performance for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11503-11510.	5.2	36
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724	Preparation of stereoscopic snowflake-like CoO material and its supercapacitor applications. <i>Ionics</i> , 2015, 21, 2303-2307.	1.2	13
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726	Preparation of graphene nanosheets from microcrystalline graphite by low-temperature exfoliated method and their supercapacitive behavior. <i>Journal of Materials Science</i> , 2015, 50, 4025-4033.	1.7	26
727	Facile preparation of NiCo <sub>2</sub> O <sub>4</sub> nanobelt/graphene composite for electrochemical capacitor application. <i>Electrochimica Acta</i> , 2015, 166, 206-214.	2.6	58
728	High-performance flexible supercapacitors based on mesoporous carbon nanofibers/Co <sub>3</sub> O <sub>4</sub> /MnO <sub>2</sub> hybrid electrodes. <i>RSC Advances</i> , 2015, 5, 18952-18959.	1.7	44
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731	Cobalt-Doped MnO <sub>2</sub> Hierarchical Yolk-Shell Spheres with Improved Supercapacitive Performance. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8465-8471.	1.5	96

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743	Curly graphene nanosheets modified by nanoneedle-like manganese oxide for electrochemical capacitors. RSC Advances, 2015, 5, 88950-88957.	1.7	5
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752	Seed-assisted synthesis of hierarchical manganese dioxide/carbonaceous sphere composites with enhanced supercapacitor performance. <i>Electrochimica Acta</i> , 2015, 180, 1033-1040.	2.6	18
753	One-pot construction of three dimensional CoMoO <sub>4</sub> /Co <sub>3</sub> O <sub>4</sub> hybrid nanostructures and their application in supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21201-21210.	5.2	114
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756	Synthesis of ternary graphene/molybdenum oxide/poly(p-phenylenediamine) nanocomposites for symmetric supercapacitors. <i>RSC Advances</i> , 2015, 5, 98278-98287.	1.7	23
757	MnO <sub>2</sub> /ZnO porous film: Electrochemical synthesis and enhanced supercapacitor performances. <i>Thin Solid Films</i> , 2015, 597, 44-49.	0.8	22
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759	Graphene Supported Ni-based Nanocomposites as Electrode Materials with High Capacitance. <i>Electrochimica Acta</i> , 2015, 155, 69-77.	2.6	13
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765	Nickel hydroxide-nickel nanohybrids indirectly from coordination microfibers for high-performance supercapacitor electrodes. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 129-135.	3.0	23
766	Smart design of free-standing ultrathin Co(OH) <sub>2</sub> composite nanoflakes on 3D nickel foam for high-performance electrochemical capacitors. <i>Chemical Communications</i> , 2015, 51, 1689-1692.	2.2	38
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768	In situ preparation of flower-like Ni(OH) <sub>2</sub> and NiO from nickel formate with excellent capacitive properties as electrode materials for supercapacitors. <i>Materials Chemistry and Physics</i> , 2015, 151, 160-166.	2.0	33

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770	Electrochemical behavior of manganese oxides on flexible substrates for thin film supercapacitors. <i>Electrochimica Acta</i> , 2015, 153, 184-189.	2.6	22
771	Synthesis of vertical aligned TiO <sub>2</sub> @polyaniline core-shell nanorods for high-performance supercapacitors. <i>RSC Advances</i> , 2015, 5, 1680-1683.	1.7	18
772	Quaternary ammonium functionalized poly(aryl ether sulfone)s as separators for supercapacitors based on activated carbon electrodes. <i>Journal of Membrane Science</i> , 2015, 475, 562-570.	4.1	30
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777	The Specific Capacitive Performances of the Manganese Oxyhydroxide/Carbon microcoil Electrodes for Supercapacitors. <i>Electrochimica Acta</i> , 2015, 151, 134-139.	2.6	16
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779	Hierarchical heterostructures of Ag nanoparticles decorated MnO <sub>2</sub> nanowires as promising electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1216-1221.	5.2	179
780	Effects of surface oxygen on charge storage in high surface area early transition-metal carbides and nitrides. <i>Journal of Power Sources</i> , 2015, 275, 159-166.	4.0	34
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782	A high-performance three-dimensional micro supercapacitor based on ripple-like ruthenium oxide-carbon nanotube composite films. <i>Carbon</i> , 2015, 82, 436-445.	5.4	58
783	Pre-stabilized reduced graphene oxide by ammonia as carrier for Ni(OH) <sub>2</sub> with excellent electrochemical property. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 229-239.	1.2	18
784	Synthesis and characterization of nanostructured ternary zinc manganese oxide as novel supercapacitor material. <i>Materials Chemistry and Physics</i> , 2015, 149-150, 721-727.	2.0	69
785	Hierarchical 3D-flower-like CuO nanostructure on copper foil for supercapacitors. <i>RSC Advances</i> , 2015, 5, 4443-4447.	1.7	175
786	Fabrication of flexible micro-supercapacitor array with patterned graphene foam/MWNT-COOH/MnO electrodes and its application. <i>Carbon</i> , 2015, 81, 29-37.	5.4	79

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788	Exfoliation-restacking synthesis of coal-layered double hydroxide nanosheets/reduced graphene oxide composite for high performance supercapacitors. <i>Electrochimica Acta</i> , 2015, 152, 117-125.	2.6	78
789	Hierarchical nanosheet-based NiMoO <sub>4</sub> nanotubes: synthesis and high supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 739-745.	5.2	151
790	Facile synthesis of vanadium pentoxide@carbon core-shell nanowires for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2015, 273, 804-809.	4.0	47
791	MnO <sub>2</sub> @KCu <sub>7</sub> S <sub>4</sub> NWs hybrid compositions for high-power all-solid-state supercapacitor. <i>Journal of Power Sources</i> , 2015, 274, 477-482.	4.0	38
792	Facile synthesis of ultrathin nickel hydroxides nanoflakes on nickel foam for high-performance supercapacitors. <i>Materials Letters</i> , 2015, 138, 5-8.	1.3	14
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801	Temperature-dependent textural and electrochemical properties of a ruthenium oxide capacitor prepared by exchange membrane controlled ion diffusion. <i>Ceramics International</i> , 2016, 42, 9170-9177.	2.3	7
802	Co <sub>3</sub> O <sub>4</sub> /ZnO nanoheterostructure derived from core-shell ZIF-8@ZIF-67 for supercapacitors. <i>RSC Advances</i> , 2016, 6, 52137-52142.	1.7	95
803	A promising supercapacitor electrode material of CuBi <sub>2</sub> O <sub>4</sub> hierarchical microspheres synthesized via a coprecipitation route. <i>Journal of Alloys and Compounds</i> , 2016, 684, 707-713.	2.8	44
804	Graphene and its nanocomposites used as an active materials for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1509-1526.	1.2	23
805	High-Performance Solid-State Supercapacitors Based on V <sub>2</sub> O <sub>5</sub> /Carbon Nanotube Composites. <i>ChemElectroChem</i> , 2016, 3, 158-164.	1.7	62

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808	Carbon quantum dots/Ni-Al layered double hydroxide composite for high-performance supercapacitors. <i>RSC Advances</i> , 2016, 6, 39317-39322.	1.7	55
809	Vanadium nitride supercapacitors: Effect of Processing Parameters on electrochemical charge storage behavior. <i>Electrochimica Acta</i> , 2016, 207, 37-47.	2.6	62
810	Interfacial generation of plates assembled with $\text{Fe}_2\text{O}_3$ nano-flakes for electrochemical capacitors. <i>Journal of Electroanalytical Chemistry</i> , 2016, 770, 44-49.	1.9	9
811	Carbon encapsulated $\text{RuO}_2$ nano-dots anchoring on graphene as an electrode for asymmetric supercapacitors with ultralong cycle life in an ionic liquid electrolyte. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8180-8189.	5.2	59
812	$\text{RuO}_2$ @ $\text{Co}_3\text{O}_4$ heterogeneous nanofibers: a high-performance electrode material for supercapacitors. <i>RSC Advances</i> , 2016, 6, 49173-49178.	1.7	16
813	Three-dimensional hierarchical $\text{NiCo}_2\text{O}_4$ nanowire@ $\text{Ni}_3\text{S}_2$ nanosheet core/shell arrays for flexible asymmetric supercapacitors. <i>Nanoscale</i> , 2016, 8, 10686-10694.	2.8	97
814	Functionalization of chemically derived graphene for improving its electrocapacitive energy storage properties. <i>Energy and Environmental Science</i> , 2016, 9, 1891-1930.	15.6	205
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825	A Facile Method to Prepare Three-dimensional Fe <sub>2</sub> O <sub>3</sub> /Graphene Composites as the Electrode Materials for Supercapacitors. <i>Chinese Journal of Chemistry</i> , 2016, 34, 67-72.	2.6	35
826	In situ fabrication of a thermally stable and highly porous conductive solar light-driven ZnO@CNT fiber photocatalyst. <i>RSC Advances</i> , 2016, 6, 71450-71460.	1.7	13
827	High rate capability of mesoporous NiWO <sub>4</sub> @CoWO <sub>4</sub> nanocomposite as a positive material for hybrid supercapacitor. <i>Materials Chemistry and Physics</i> , 2016, 182, 394-401.	2.0	45
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829	Hierarchically porous Ni monolith@branch-structured NiCo <sub>2</sub> O <sub>4</sub> for high energy density supercapacitors. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 276-282.	1.8	12
830	2D materials for renewable energy storage devices: Outlook and challenges. <i>Chemical Communications</i> , 2016, 52, 13528-13542.	2.2	96
831	Atomic Layer Deposition of Amorphous TiO <sub>2</sub> on Carbon Nanotube Networks and Their Superior Li and Na Ion Storage Properties. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600375.	1.9	75
832	Controllable synthesis of Ni-Co nanosheets covered hollow box via altering the concentration of nitrate for high performance supercapacitor. <i>Electrochimica Acta</i> , 2016, 215, 500-505.	2.6	63
833	Cobalt Oxide Nanoflakes on Single Walled Carbon Nanotube Thin Films for Supercapacitor Electrodes. <i>Electrochimica Acta</i> , 2016, 222, 1475-1482.	2.6	28
834	In situ removal of template to synthesize mesoporous NiCo <sub>2</sub> O <sub>4</sub> for high performance battery-type electrode. <i>Journal of Electroanalytical Chemistry</i> , 2016, 782, 133-137.	1.9	10
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836	Hierarchical Fe <sub>2</sub> O <sub>3</sub> nanotube/nickel foam electrodes for electrochemical energy storage. <i>Electrochimica Acta</i> , 2016, 216, 287-294.	2.6	25
837	Vertically aligned carbon nanotube-ruthenium dioxide core-shell cathode for non-aqueous lithium-oxygen batteries. <i>Journal of Power Sources</i> , 2016, 331, 82-90.	4.0	47
838	Nanostructured core-shell electrode materials for electrochemical capacitors. <i>Journal of Power Sources</i> , 2016, 331, 408-425.	4.0	102
839	Superior Cycle Stability Performance of Quasi-Cuboidal CoV <sub>2</sub> O <sub>6</sub> Microstructures as Electrode Material for Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 27291-27297.	4.0	79
840	Review on $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> based negative electrode for high performance supercapacitors. <i>Journal of Power Sources</i> , 2016, 327, 297-318.	4.0	293
841	Nanomaterials in Advanced Batteries and Supercapacitors. <i>Nanostructure Science and Technology</i> , 2016, , .	0.1	34

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861	Phase-dependent electrochemistry of TiO <sub>2</sub> nanocrystals for supercapacitor applications. <i>Journal of Electroanalytical Chemistry</i> , 2016, 775, 356-363.	1.9	27
862	Supercapacitor of TiO <sub>2</sub> nanofibers by electrospinning and KOH treatment. <i>Materials and Design</i> , 2016, 106, 74-80.	3.3	68
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867	Recent advances and challenges of stretchable supercapacitors based on carbon materials. <i>Science China Materials</i> , 2016, 59, 475-494.	3.5	83
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876	Electrochemical assembly of reduced graphene oxide/manganese dioxide nanocomposites into hierarchical sea urchin-like structures for supercapacitive electrodes. <i>Journal of Alloys and Compounds</i> , 2016, 668, 146-151.	2.8	26
877	Hierarchically MnO <sub>2</sub> -Nanosheet Covered Submicrometer-FeCo <sub>2</sub> O <sub>4</sub> -Tube Forest as Binder-Free Electrodes for High Energy Density All-Solid-State Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 4762-4770.	4.0	104

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881	Cr-doped MnO <sub>2</sub> nanostructure: morphology evolution and electrochemical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 3265-3270.	1.1	20
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893	Hierarchical mesoporous NiCo <sub>2</sub> O <sub>4</sub> hollow nanocubes for supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6268-6274.	1.3	51
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897	Frequency-dependence of electric double layer capacitance of TiO <sub>2</sub> -based composite nanotube arrays. <i>Journal of Electroanalytical Chemistry</i> , 2016, 779, 199-206.	1.9	5
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899	Hydrothermal synthesis of graphene-MnO <sub>2</sub> -polyaniline composite and its electrochemical performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6816-6822.	1.1	30
900	Morphological tuning of CuO nanostructures by simple preparative parameters in SILAR method and their consequent effect on supercapacitors. <i>Nano Structures Nano Objects</i> , 2016, 6, 5-13.	1.9	40
901	Facile synthesis and capacitive properties of nickel-cobalt binary metal oxide nanoaggregates via oxalate route. <i>Journal of Alloys and Compounds</i> , 2016, 674, 376-383.	2.8	25
902	Nano-network MnO <sub>2</sub> /polyaniline composites with enhanced electrochemical properties for supercapacitors. <i>Materials and Design</i> , 2016, 97, 512-518.	3.3	66
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905	Binder-free NiO@MnO <sub>2</sub> core-shell electrode: Rod-like NiO core prepared through corrosion by oxalic acid and enhanced pseudocapacitance with sphere-like MnO <sub>2</sub> shell. <i>Electrochimica Acta</i> , 2016, 189, 83-92.	2.6	47
906	Improved electrochemical performances of binder-free CoMoO <sub>4</sub> nanoplate arrays@Ni foam electrode using redox additive electrolyte. <i>Journal of Power Sources</i> , 2016, 306, 378-386.	4.0	183
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911	Synthesis of poly(aniline-co-m-aminophenol)/graphene/NiO nanocomposite and its application in supercapacitors. <i>Synthetic Metals</i> , 2016, 211, 14-18.	2.1	20
912	Simple synthesis process for ZnO sphere-decorated CNT fiber and its electrical, optical, thermal, and mechanical properties. <i>RSC Advances</i> , 2016, 6, 4683-4694.	1.7	14
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947	Pseudocapacitive performance of a solution-processed Î²-Co(OH) <sub>2</sub> electrode monitored through its surface morphology and area. <i>Dalton Transactions</i> , 2017, 46, 3393-3399.	1.6	19
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951	A high-performance supercapacitor based on fullerene C 60 whisker and polyaniline emeraldine base composite. <i>Electrochimica Acta</i> , 2017, 231, 264-271.	2.6	52
952	Supercapacitive Properties of 3D-Arrayed Polyaniline Hollow Nanospheres Encaging RuO <sub>2</sub> Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 7412-7423.	4.0	46
953	Low temperature reduction of graphene oxide film by ammonia solution and its application for high-performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10098-10105.	1.1	15
954	Nanostructured mixed transition metal oxides for high performance asymmetric supercapacitors: Facile synthetic strategy. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 12384-12395.	3.8	110
955	Rational design of microsphere and microcube MnCO <sub>3</sub> @MnO <sub>2</sub> heterostructures for supercapacitor electrodes. <i>Journal of Power Sources</i> , 2017, 353, 202-209.	4.0	53
956	Synthesis of RuO <sub>2</sub> Nanowires by Alkali-Assisted Oxidation of Ruthenium in Plasma Afterglow at Atmospheric Pressure. <i>IEEE Nanotechnology Magazine</i> , 2017, 16, 624-633.	1.1	2
957	Pure and Co doped CeO <sub>2</sub> nanostructure electrodes with enhanced electrochemical performance for energy storage applications. <i>Ceramics International</i> , 2017, 43, 10494-10501.	2.3	39
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959	A facile sonochemical assisted synthesis of $\gamma$ -MnMoO <sub>4</sub> /PANI nanocomposite electrode for supercapacitor applications. <i>Journal of Electroanalytical Chemistry</i> , 2017, 797, 78-88.	1.9	102
960	Recent progress of fiber-shaped asymmetric supercapacitors. <i>Materials Today Energy</i> , 2017, 5, 1-14.	2.5	80
961	Synergistic interaction between embedded Co <sub>3</sub> O <sub>4</sub> nanowires and graphene papers for high performance capacitor electrodes. <i>RSC Advances</i> , 2017, 7, 23793-23801.	1.7	16
962	Facile hydrothermal synthesis of urchin-like cobalt manganese spinel for high-performance supercapacitor applications. <i>Journal of Colloid and Interface Science</i> , 2017, 503, 17-27.	5.0	37
963	Two-dimensional Mo <sub>1.33</sub> C MXene with divacancy ordering prepared from parent 3D laminate with in-plane chemical ordering. <i>Nature Communications</i> , 2017, 8, 14949.	5.8	525
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966	Ultrathin and Highly Crystalline Co <sub>3</sub> O <sub>4</sub> Nanosheets In Situ Grown on Graphene toward Enhanced Supercapacitor Performance. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600884.	1.9	33
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970	Enhanced performance of NiMoO <sub>4</sub> nanoparticles and quantum dots and reduced nanohole graphene oxide hybrid for supercapacitor applications. <i>Applied Surface Science</i> , 2017, 419, 624-630.	3.1	18
971	Time-dependent evolution of the dichloromethane-mediated Bi <sub>2</sub> MoO <sub>6</sub> /BiOCl heterojunction for enhanced electrochemical performance. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2955-2964.	1.2	8
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973	Facile electrodeposition processed of RuO <sub>2</sub> -graphene nanosheets-CNT composites as a binder-free electrode for electrochemical supercapacitors. <i>Electrochimica Acta</i> , 2017, 246, 433-442.	2.6	72
974	Charge Storage Mechanism of RuO <sub>2</sub> /Water Interfaces. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18975-18981.	1.5	15
975	Interconnected Ni-Co sulfide nanosheet arrays grown on nickel foam as binder-free electrodes for supercapacitors with high areal capacitance. <i>Journal of Alloys and Compounds</i> , 2017, 721, 205-212.	2.8	20
976	Facile Co-Electrodeposition Method for High-Performance Supercapacitor Based on Reduced Graphene Oxide/Polypyrrole Composite Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 19831-19842.	4.0	108
977	Metal-Organic Framework-Derived Nanoporous Metal Oxides toward Supercapacitor Applications: Progress and Prospects. <i>ACS Nano</i> , 2017, 11, 5293-5308.	7.3	988
978	Low-cost synthesis and electrochemical characteristics of ternary Cu-Co sulfides for high performance full-cell asymmetric supercapacitors. <i>Materials Research Bulletin</i> , 2017, 91, 68-76.	2.7	27
979	Electrochemical performance of CuBi <sub>2</sub> O <sub>4</sub> nanoparticles synthesized via a polyacrylamide gel route. <i>International Journal of Materials Research</i> , 2017, 108, 298-307.	0.1	6
980	Morphology engineering of ZnO nanostructures for high performance supercapacitors: enhanced electrochemistry of ZnO nanocones compared to ZnO nanowires. <i>Nanotechnology</i> , 2017, 28, 245402.	1.3	64
981	Electrochemical synthesis of MnO <sub>2</sub> porous nanowires for flexible all-solid-state supercapacitor. <i>New Journal of Chemistry</i> , 2017, 41, 3750-3757.	1.4	25
982	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. <i>Chemical Reviews</i> , 2017, 117, 6225-6331.	23.0	3,940
983	Facile Synthesis of Free-Standing NiO/MnO <sub>2</sub> Core-Shell Nanoflakes on Carbon Cloth for Flexible Supercapacitors. <i>Nanoscale Research Letters</i> , 2017, 12, 171.	3.1	45
984	Ultrathin MnO <sub>2</sub> nanoflakes deposited on carbon nanotube networks for symmetrical supercapacitors with enhanced performance. <i>Journal of Power Sources</i> , 2017, 341, 27-35.	4.0	124
985	Three-Dimensional Fibrous Network of Na <sub>0.21</sub> MnO <sub>2</sub> for Aqueous Sodium-Ion Hybrid Supercapacitors. <i>Chemistry - A European Journal</i> , 2017, 23, 2379-2386.	1.7	58
986	Simple synthesis of bimetal oxide@graphitized carbon nanocomposites via in-situ thermal decomposition of coordination polymers and their enhanced electrochemical performance for electrochemical energy storage. <i>Electrochimica Acta</i> , 2017, 224, 80-89.	2.6	16

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988	Large Areal Mass, Mechanically Tough and Freestanding Electrode Based on Heteroatom-doped Carbon Nanofibers for Flexible Supercapacitors. <i>Chemistry - A European Journal</i> , 2017, 23, 2610-2618.	1.7	35
989	Embedded Ag quantum dots into interconnected Co <sub>3</sub> O <sub>4</sub> nanosheets grown on 3D graphene networks for high stable and flexible supercapacitors. <i>Electrochimica Acta</i> , 2017, 224, 260-268.	2.6	89
990	Spaced TiO <sub>2</sub> nanotube arrays allow for a high performance hierarchical supercapacitor structure. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1895-1901.	5.2	62
991	Facile preparation of nanoflake-structured nickel oxide/carbon nanotube composite films by electrophoretic deposition as binder-free electrodes for high-performance pseudocapacitors. <i>Current Applied Physics</i> , 2017, 17, 240-248.	1.1	18
992	A facile drop-casting approach to nanostructured copper oxide-painted conductive woven textile as binder-free electrode for improved energy storage performance in redox-additive electrolyte. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2224-2234.	5.2	55
993	Bio-directed morphology engineering towards hierarchical 1D to 3D macro/meso/nanoscale morph-tunable carbon nitride assemblies for enhanced artificial photosynthesis. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2195-2203.	5.2	21
994	Design and Tailoring of the 3D Macroporous Hydrous RuO <sub>2</sub> Hierarchical Architectures with a Hard-Template Method for High-Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4577-4586.	4.0	84
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997	3D nitrogen-doped graphene decorated CoNi <sub>2</sub> S <sub>4</sub> @polypyrrole electrode for pseudocapacitor with ultrahigh electrochemical performance. <i>FlatChem</i> , 2017, 6, 1-10.	2.8	9
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999	Nitrogen-doped Hierarchical Porous Carbon Framework Derived from Waste Pig Nails for High-performance Supercapacitors. <i>ChemElectroChem</i> , 2017, 4, 3181-3187.	1.7	41
1000	Design and Synthesis of 3D Ordered Mesoporous Co <sub>3</sub> O <sub>4</sub> Nanostructures for Their Improved Supercapacitance and Photocatalytic Activity. <i>ChemistrySelect</i> , 2017, 2, 9726-9735.	0.7	3
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1003	Assembling Hollow Cobalt Sulfide Nanocages Array on Graphene-like Manganese Dioxide Nanosheets for Superior Electrochemical Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 35040-35047.	4.0	107
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1035	Three-Dimensional Bi-Continuous Nanoporous Gold/Nickel Foam Supported MnO <sub>2</sub> for High Performance Supercapacitors. Scientific Reports, 2017, 7, 17857.	1.6	12
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1041	Enhanced Energy Density of Supercapacitors Using Hybrid Electrodes Based on Fe <sub>2</sub> O <sub>3</sub> and MnO <sub>2</sub> Nanoparticles. International Journal of Electrochemical Science, 2017, 12, 10015-10022.	0.5	15

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1048	Hierarchical NiO@NiCo <sub>2</sub> O <sub>4</sub> Core-shell Nanosheet Arrays on Ni Foam for High-Performance Electrochemical Supercapacitors. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 6246-6256.	1.8	76
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1050	Enhanced electrochemical stability of carbon quantum dots-incorporated and ferrous-coordinated polypyrrole for supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2515-2529.	1.2	34
1051	NiMoO <sub>4</sub> nanorod deposited carbon sponges with ant-nest-like interior channels for high-performance pseudocapacitors. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1594-1601.	3.0	31
1052	Controlled growth of ultrathin NiMoO <sub>4</sub> nanosheets on carbon nanofiber membrane as advanced electrodes for asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2018, 753, 176-185.	2.8	40
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1057	Intercalated Water and Organic Molecules for Electrode Materials of Rechargeable Batteries. <i>Advanced Materials</i> , 2018, 30, e1705851.	11.1	64
1058	One-pot hydrothermal preparation of Cu <sub>2</sub> O-CuO/rGO nanocomposites with enhanced electrochemical performance for supercapacitor applications. <i>Applied Surface Science</i> , 2018, 449, 474-484.	3.1	75
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1061	Assessing the electrochemical performance of a supercapacitor electrode made of copper oxide and activated carbon using liquid phase plasma. <i>Applied Surface Science</i> , 2018, 446, 243-249.	3.1	21
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1063	All Pseudocapacitive MXene@RuO <sub>2</sub> Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1703043.	10.2	757
1064	Enhanced supercapacitive performance of binary cooperative complementary Co(OH) <sub>2</sub> /Mn <sub>3</sub> O <sub>4</sub> nanomaterials directly synthesized through ion diffusion method controlled by ion exchange membrane. <i>Electrochimica Acta</i> , 2018, 260, 330-337.	2.6	15
1065	One-pot synthesis of Fe <sub>2</sub> O <sub>3</sub> nanospheres/diatomite composites for electrochemical capacitor electrodes. <i>Materials Letters</i> , 2018, 215, 23-26.	1.3	24
1066	Comparative study of metal-doped carbon aerogel: Physical properties and electrochemical performance. <i>Journal of Electroanalytical Chemistry</i> , 2018, 809, 111-116.	1.9	16
1067	Polypyrrole/titania-coated cotton fabrics for flexible supercapacitor electrodes. <i>Applied Surface Science</i> , 2018, 460, 84-91.	3.1	41
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1075	Bio-derived three-dimensional hierarchical carbon-graphene-TiO <sub>2</sub> as electrode for supercapacitors. <i>Scientific Reports</i> , 2018, 8, 4412.	1.6	24
1076	Carbon nanotube@manganese oxide nanosheet core-shell structure encapsulated within reduced graphene oxide film for flexible all-solid-state asymmetric supercapacitors. <i>Carbon</i> , 2018, 132, 776-784.	5.4	66
1077	RuO <sub>2</sub> Thin Films Electrodeposited on Polystyrene Nanosphere Arrays: Growth Mechanism and Application to Supercapacitor Electrodes. <i>Langmuir</i> , 2018, 34, 4249-4254.	1.6	19
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1080	Template-free and room-temperature synthesis of 3D sponge-like mesoporous Mn <sub>3</sub> O <sub>4</sub> with high capacitive performance. <i>Energy Storage Materials</i> , 2018, 11, 176-183.	9.5	31
1081	Diversified electrical properties of (1-x)Ba <sub>0.90</sub> Ca <sub>0.10</sub> Ti <sub>0.95</sub> Zr <sub>0.05</sub> O <sub>3-x</sub> RuO <sub>2</sub> ceramics with defect electron complexes. <i>Materials Chemistry and Physics</i> , 2018, 204, 163-170.	2.0	5
1082	Three-dimensional N-doped graphene/polyaniline composite foam for high performance supercapacitors. <i>Applied Surface Science</i> , 2018, 428, 348-355.	3.1	39
1083	Hybrid system of nickel-cobalt hydroxide on carbonised natural cellulose materials for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 387-393.	1.2	10
1084	One-step synthesis of graphitic-C <sub>3</sub> N <sub>4</sub> /ZnS composites for enhanced supercapacitor performance. <i>Journal of Energy Chemistry</i> , 2018, 27, 472-477.	7.1	86
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1088	Construction of novel nanocomposite ZnO@CoFe <sub>2</sub> O <sub>4</sub> microspheres grown on nickel foam for high performance electrochemical supercapacitors. <i>Analytical Methods</i> , 2018, 10, 223-229.	1.3	23
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1091	Three-dimensional nanoporous N-doped graphene/iron oxides as anode materials for high-density energy storage in asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 335, 467-474.	6.6	28
1092	Electrochemical characterization of nanocrystalline RuO <sub>2</sub> with aqueous multivalent (Be <sup>2+</sup> and Al <sup>3+</sup> ) sulfate electrolytes for asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2018, 735, 735-740.	2.8	4
1093	Ultrathin nickel hydroxide on carbon coated 3D-porous copper structures for high performance supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 719-727.	1.3	31
1094	Synthesis of Cu <sub>2</sub> O by oxidation-assisted dealloying method for flexible all-solid-state asymmetric supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2080-2090.	1.1	19
1095	Hydrothermal encapsulation of VO <sub>2</sub> (A) nanorods in amorphous carbon by carbonization of glucose for energy storage devices. <i>Dalton Transactions</i> , 2018, 47, 452-464.	1.6	171
1096	Fabrication of $\gamma$ -Ni(OH) <sub>2</sub> / $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> nanostructures for high-performance asymmetric supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 293-302.	1.2	8

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1098	Contemporary applications of carbon black-filled polymer composites: An overview of essential aspects. <i>Journal of Plastic Film and Sheeting</i> , 2018, 34, 256-299.	1.3	28
1099	EFFECT OF COATING TIME ON ELECTROCHEMICAL DEPOSITION OF MOLYBDENUM OXIDES THIN FILM ON THE SURFACE OF ANODIZED ALUMINUM PLATE FOR ULTRACAPACITOR ELECTRODE MATERIAL. <i>Surface Review and Letters</i> , 2018, 25, 1840007.	0.5	0
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1109	Metal oxides in supercapacitors. , 2018, , 169-203.		38
1110	Atomic-level structure engineering of metal oxides for high-rate oxygen intercalation pseudocapacitance. <i>Science Advances</i> , 2018, 4, eaau6261.	4.7	164
1111	Activation Energy Distribution of Dynamical Structural Defects in $\text{RuO}_2$ Films. <i>Physical Review Applied</i> , 2018, 10, .	1.5	4
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1207	Graphene wrapped MXene via plasma exfoliation for all-solid-state flexible supercapacitors. <i>Energy Storage Materials</i> , 2019, 20, 299-306.	9.5	108
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1245	Oxygen-enriched crumpled graphene-based symmetric supercapacitor with high gravimetric and volumetric performances. <i>Journal of Electroanalytical Chemistry</i> , 2019, 833, 119-125.	1.9	21
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1314	MXene-Based Fibers, Yarns, and Fabrics for Wearable Energy Storage Devices. <i>Advanced Functional Materials</i> , 2020, 30, 2000739.	7.8	168
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1316	Controllable Synthesis of Nanostructured MnO <sub>2</sub> as Electrode Material of Supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 4815-4823.	0.9	5
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1326	Effect of grain size on electrochemical performance and kinetics of Co <sub>3</sub> O <sub>4</sub> electrode materials. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7192-7196.	5.2	47
1327	RuO <sub>2</sub> Nanorods on Electrospun Carbon Nanofibers for Supercapacitors. <i>ACS Applied Nano Materials</i> , 2020, 3, 3847-3858.	2.4	104
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1332	<i>In situ</i> carbon-supported titanium dioxide (ICS-TiO <sub>2</sub> ) as an electrode material for high performance supercapacitors. <i>Nanoscale Advances</i> , 2020, 2, 2376-2386.	2.2	50
1333	Multilayered nickel oxide/carbon nanotube composite paper electrodes for asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2020, 354, 136744.	2.6	40
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1342	Self-supported core-shell heterostructure MnO <sub>2</sub> /NiCo-LDH composite for flexible high-performance supercapacitor. <i>Journal of Alloys and Compounds</i> , 2020, 824, 153929.	2.8	45
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1344	Comparative study of the electrochemical properties of mesoporous 1-D and 3-D nano-structured rhombohedral nickel sulfide in alkaline electrolytes. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 144, 109503.	1.9	20
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1351	A review of electrochemical energy storage behaviors based on pristine metal-organic frameworks and their composites. <i>Coordination Chemistry Reviews</i> , 2020, 416, 213341.	9.5	159
1352	MOF-reinforced Co <sub>9</sub> S <sub>8</sub> self-supported nanowire arrays for highly durable and flexible supercapacitor. <i>Electrochimica Acta</i> , 2020, 346, 136201.	2.6	41
1353	Room-temperature chemical synthesis of dandelion-type nickel chloride (NiCl <sub>2</sub> @NiF) supercapattery nanostructured materials. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 547-554.	5.0	13
1354	Electrochemical analysis of CuO-AC based nanocomposite for supercapacitor electrode application. <i>Materials Today: Proceedings</i> , 2020, 28, 366-374.	0.9	9
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1356	Toward commercial-level mass-loading electrodes for supercapacitors: opportunities, challenges and perspectives. <i>Energy and Environmental Science</i> , 2021, 14, 576-601.	15.6	166
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1358	Recent advances in off-grid electrochemical capacitors. <i>Energy Storage Materials</i> , 2021, 34, 53-75.	9.5	26
1359	Ni <sub>2</sub> P nanosheets modified N-doped hollow carbon spheres towards enhanced supercapacitor performance. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157111.	2.8	29
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