

# Electrochemical Capacitors for Energy Management

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Materials for electrochemical capacitors. <i>Nature Materials</i> , 2008, 7, 845-854.	13.3	14,090
3	Microelectrode Study of Pore Size, Ion Size, and Solvent Effects on the Charge/Discharge Behavior of Microporous Carbons for Electrical Double-Layer Capacitors. <i>Journal of the Electrochemical Society</i> , 2009, 156, A7.	1.3	231
4	Electrical Double-Layer Capacitance of Zeolite-Templated Carbon in Organic Electrolyte. <i>Journal of the Electrochemical Society</i> , 2009, 156, A1.	1.3	106
5	Solvent effect on the ion adsorption from ionic liquid electrolyte into sub-nanometer carbon pores. <i>Electrochimica Acta</i> , 2009, 54, 7025-7032.	2.6	181
6	Energy and power performance of vanadium carbide derived carbon electrode materials for supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2009, 630, 55-62.	1.9	72
7	Supercapacitor Devices Based on Graphene Materials. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13103-13107.	1.5	2,295
8	Polyphosphate based electrochemical capacitors. <i>Synthetic Metals</i> , 2009, 159, 2309-2311.	2.1	1
9	Carbon-based materials as supercapacitor electrodes. <i>Chemical Society Reviews</i> , 2009, 38, 2520.	18.7	6,276
10	Effect of Temperature on the Capacitance of Carbon Nanotube Supercapacitors. <i>ACS Nano</i> , 2009, 3, 2199-2206.	7.3	390
11	Carbon nanotube arrays and their composites for electrochemical capacitors and lithium-ion batteries. <i>Energy and Environmental Science</i> , 2009, 2, 932.	15.6	239
12	A novel hybrid supercapacitor with a carbon nanotube cathode and an iron oxide/carbon nanotube composite anode. <i>Journal of Materials Chemistry</i> , 2009, 19, 8755.	6.7	278
13	Capacitance of KOH activated carbide-derived carbons. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4943.	1.3	89
14	Materials for electrochemical capacitors. , 2009, , 320-329.		205
15	Materials for electrochemical capacitors. , 2010, , 138-147.		25
16	Graphene/Polyaniline Nanofiber Composites as Supercapacitor Electrodes. <i>Chemistry of Materials</i> , 2010, 22, 1392-1401.	3.2	2,060
17	Graphene Double-Layer Capacitor with ac Line-Filtering Performance. <i>Science</i> , 2010, 329, 1637-1639.	6.0	1,239
18	Graphene-based materials as supercapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2010, 20, 5983.	6.7	1,338
19	Qualitative Electrochemical Impedance Spectroscopy study of ion transport into sub-nanometer carbon pores in Electrochemical Double Layer Capacitor electrodes. <i>Electrochimica Acta</i> , 2010, 55, 7489-7494.	2.6	156

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20	Energy and power performance of electrochemical double-layer capacitors based on molybdenum carbide derived carbon. <i>Electrochimica Acta</i> , 2010, 55, 3138-3143.	2.6	99
21	High-capacitance supercapacitors using nitrogen-decorated porous carbon derived from novolac resin containing peptide linkage. <i>Electrochimica Acta</i> , 2010, 55, 5624-5628.	2.6	19
22	Capacitive characteristics of nanocomposites of conducting polypyrrole and functionalized carbon nanotubes: effects of in situ dopant and film thickness. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 1565-1575.	1.2	17
23	The effects of surface modification on the supercapacitive behaviors of carbon derived from calcium carbide. <i>Journal of Materials Science</i> , 2010, 45, 6030-6037.	1.7	37
24	Electrical double-layer capacitor performance of nitrogen-doped ordered mesoporous carbon prepared by nanotemplating method. <i>Research on Chemical Intermediates</i> , 2010, 36, 703-713.	1.3	9
25	Detonation Nanodiamond and Onion-Like Carbon Embedded Polyaniline for Supercapacitors. <i>Advanced Functional Materials</i> , 2010, 20, 3979-3986.	7.8	245
26	Extracting the Full Potential of Single-Walled Carbon Nanotubes as Durable Supercapacitor Electrodes Operable at 4 V with High Power and Energy Density. <i>Advanced Materials</i> , 2010, 22, E235-41.	11.1	582
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28	Elaboration of a microstructured inkjet-printed carbon electrochemical capacitor. <i>Journal of Power Sources</i> , 2010, 195, 1266-1269.	4.0	421
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30	Polyfluorinated boron cluster [B <sub>12</sub> F <sub>11</sub> H] <sub>2</sub> based electrolytes for supercapacitors: Overcharge protection. <i>Electrochemistry Communications</i> , 2010, 12, 636-639.	2.3	17
31	High voltage supercapacitor built with seaweed carbons in neutral aqueous electrolyte. <i>Carbon</i> , 2010, 48, 4351-4361.	5.4	483
32	Novel doubly charged cation based electrolytes for non-aqueous supercapacitors. <i>Electrochemistry Communications</i> , 2010, 12, 535-539.	2.3	37
33	Ordered mesoporous $\gamma$ -MoO <sub>3</sub> with iso-oriented nanocrystalline walls for thin-film pseudocapacitors. <i>Nature Materials</i> , 2010, 9, 146-151.	13.3	2,801
34	High-power lithium batteries from functionalized carbon-nanotube electrodes. <i>Nature Nanotechnology</i> , 2010, 5, 531-537.	15.6	1,026
35	Ultrahigh-power micrometre-sized supercapacitors based on onion-like carbon. <i>Nature Nanotechnology</i> , 2010, 5, 651-654.	15.6	2,451
36	Carbon Nanotube Supercapacitors. , 0, , .		15
37	Energy harvesting and the future of energy. , 2010, , 822-858.		1

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38	Modern Theories of Carbon-Based Electrochemical Capacitors: A Short Review. , 2010, , .		3
39	Structure and Capacitive Properties of Porous Nanocrystalline VN Prepared by Temperature-Programmed Ammonia Reduction of $V_2O_5$ . Chemistry of Materials, 2010, 22, 914-921.	3.2	161
40	Well-aligned molybdenum oxide nanorods on metal substrates: solution-based synthesis and their electrochemical capacitor application. Journal of Materials Chemistry, 2010, 20, 7135.	6.7	119
41	High-performance supercapacitors using a nanoporous current collector made from super-aligned carbon nanotubes. Nanotechnology, 2010, 21, 345701.	1.3	85
42	High-Rate Electrochemical Capacitors Based on Ordered Mesoporous Silicon Carbide-Derived Carbon. ACS Nano, 2010, 4, 1337-1344.	7.3	447
43	Supercapacitors Based on Metal Electrodes Prepared from Nanoparticle Mixtures at Room Temperature. Journal of Physical Chemistry Letters, 2010, 1, 1428-1431.	2.1	51
44	Ion Distribution in Electrified Micropores and Its Role in the Anomalous Enhancement of Capacitance. ACS Nano, 2010, 4, 2382-2390.	7.3	183
45	Electrochemical Energy Storage: The Benefits of Nanomaterials. , 0, , 155-176.		0
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49	Atomistic Insight on the Charging Energetics in Subnanometer Pore Supercapacitors. Journal of Physical Chemistry C, 2010, 114, 18012-18016.	1.5	53
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52	Curvature effects in carbon nanomaterials: Exohedral versus endohedral supercapacitors. Journal of Materials Research, 2010, 25, 1525-1531.	1.2	142
53	Fabrication and characterization of flexible and high capacitance supercapacitors based on MnO <sub>2</sub> /CNT/papers. Synthetic Metals, 2010, 160, 2510-2514.	2.1	92
54	Characterization of graphene-based supercapacitors fabricated on Al foils using Au or Pd thin films as interlayers. Synthetic Metals, 2010, 160, 2613-2617.	2.1	32
55	Electrostatic and Electrochemical Nature of Liquid-Gated Electric-Double-Layer Transistors Based on Oxide Semiconductors. Journal of the American Chemical Society, 2010, 132, 18402-18407.	6.6	227

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56	Pseudocapacitive Contributions to Charge Storage in Highly Ordered Mesoporous Group V Transition Metal Oxides with Iso-Oriented Layered Nanocrystalline Domains. <i>Journal of the American Chemical Society</i> , 2010, 132, 6982-6990.	6.6	320
57	Charge storage mechanism in nanoporous carbons and its consequence for electrical double layer capacitors. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 3457-3467.	1.6	233
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62	Structure and dynamics of electrical double layers in organic electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5468.	1.3	107
63	Hybrid MnO <sub>2</sub> "disordered mesoporous carbon nanocomposites: synthesis and characterization as electrochemical pseudocapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2010, 20, 390-398.	6.7	78
64	Mesoporous carbon nanospheres with an excellent electrocapacitive performance. <i>Journal of Materials Chemistry</i> , 2011, 21, 2274-2281.	6.7	169
65	Reversible phase transformation of MnO <sub>2</sub> nanosheets in an electrochemical capacitor investigated by in situ Raman spectroscopy. <i>Chemical Communications</i> , 2011, 47, 1252-1254.	2.2	196
66	Enhanced supercapacitors from hierarchical carbon nanotube and nanohorn architectures. <i>Journal of Materials Chemistry</i> , 2011, 21, 17810.	6.7	57
67	Mesoporous Co <sub>3</sub> O <sub>4</sub> monolayer hollow-sphere array as electrochemical pseudocapacitor material. <i>Chemical Communications</i> , 2011, 47, 5786.	2.2	307
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70	A divided potential driving self-discharge process for single-walled carbon nanotube based supercapacitors. <i>RSC Advances</i> , 2011, 1, 989.	1.7	37
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72	Nanoscale morphology dependent pseudocapacitance of NiO: Influence of intercalating anions during synthesis. <i>Nanoscale</i> , 2011, 3, 683-692.	2.8	280
73	Capacitive Properties of Activated Carbon in K <sub>4</sub> Fe(CN) <sub>6</sub> . <i>Journal of the Electrochemical Society</i> , 2011, 158, A818.	1.3	26

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77	Supercapacitors Based on 3D Nanostructured Electrodes. , 2011, , 477-521.		0
78	Ultrafine manganese dioxidenanowire network for high-performance supercapacitors. Chemical Communications, 2011, 47, 1264-1266.	2.2	224
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87	High-Performance Supercapacitors Based on Poly(ionic liquid)-Modified Graphene Electrodes. ACS Nano, 2011, 5, 436-442.	7.3	672
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90	Ni~NiO core-shell inverse opal electrodes for supercapacitors. Chemical Communications, 2011, 47, 5214.	2.2	202
91	One dimensional MnO <sub>2</sub> /titanium nitride nanotube coaxial arrays for high performance electrochemical capacitive energy storage. Energy and Environmental Science, 2011, 4, 3502.	15.6	221
92	Oscillation of Capacitance inside Nanopores. Nano Letters, 2011, 11, 5373-5377.	4.5	290

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93	Three-Dimensional Porous Nano-Ni/Co(OH) <sub>2</sub> Nanoflake Composite Film: A Pseudocapacitive Material with Superior Performance. <i>Journal of Physical Chemistry C</i> , 2011, 115, 22662-22668.	1.5	223
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97	Ultrathin nickel hydroxidenitrate nanoflakes branched on nanowire arrays for high-rate pseudocapacitive energy storage. <i>Chemical Communications</i> , 2011, 47, 3436.	2.2	169
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103	Polyaniline-Coated Electro-Etched Carbon Fiber Cloth Electrodes for Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23584-23590.	1.5	232
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127	Synthesis of nitrogen doped microporous carbons prepared by activation-free method and their high electrochemical performance. <i>Electrochimica Acta</i> , 2011, 56, 10130-10136.	2.6	37
128	True Performance Metrics in Electrochemical Energy Storage. <i>Science</i> , 2011, 334, 917-918.	6.0	2,057
129	Carbon-Based Supercapacitors Produced by Activation of Graphene. <i>Science</i> , 2011, 332, 1537-1541.	6.0	5,528



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131	Enhancing the Supercapacitor Performance of Graphene/MnO <sub>2</sub> Nanostructured Electrodes by Conductive Wrapping. <i>Nano Letters</i> , 2011, 11, 4438-4442.	4.5	1,062
132	Preparation of Highly Conductive Graphene Hydrogels for Fabricating Supercapacitors with High Rate Capability. <i>Journal of Physical Chemistry C</i> , 2011, 115, 17206-17212.	1.5	683
133	Next generation pseudocapacitor materials from sol-gel derived transition metal oxides. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 57, 330-335.	1.1	55
134	The electrochemistry of activated carbonaceous materials: past, present, and future. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 1563-1578.	1.2	161
135	High-Performance Supercapacitors Based on Intertwined CNT/V <sub>2</sub> O <sub>5</sub> Nanowire Nanocomposites. <i>Advanced Materials</i> , 2011, 23, 791-795.	11.1	788
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137	Carbon Materials for Chemical Capacitive Energy Storage. <i>Advanced Materials</i> , 2011, 23, 4828-4850.	11.1	2,593
138	Sub-Micrometer-Thick All-Solid-State Supercapacitors with High Power and Energy Densities. <i>Advanced Materials</i> , 2011, 23, 4098-4102.	11.1	343
139	2D Sandwich-like Sheets of Iron Oxide Grown on Graphene as High Energy Anode Material for Supercapacitors. <i>Advanced Materials</i> , 2011, 23, 5574-5580.	11.1	526
140	Hydrothermal Carbonization of Abundant Renewable Natural Organic Chemicals for High-Performance Supercapacitor Electrodes. <i>Advanced Energy Materials</i> , 2011, 1, 356-361.	10.2	538
141	Material advancements in supercapacitors: From activated carbon to carbon nanotube and graphene. <i>Canadian Journal of Chemical Engineering</i> , 2011, 89, 1342-1357.	0.9	154
142	Bis(2,2'-biphenoxy)borates for Electrochemical Double-Layer Capacitor Electrolytes. <i>Chemistry - A European Journal</i> , 2011, 17, 3082-3085.	1.7	17
143	Graphene Sheet/Porous NiO Hybrid Film for Supercapacitor Applications. <i>Chemistry - A European Journal</i> , 2011, 17, 10898-10905.	1.7	266
144	Porous NiO/Ag composite film for electrochemical capacitor application. <i>Electrochimica Acta</i> , 2011, 56, 2116-2121.	2.6	49
145	Pseudocapacitive properties of electrodeposited porous nanowall Co <sub>3</sub> O <sub>4</sub> film. <i>Electrochimica Acta</i> , 2011, 56, 7163-7170.	2.6	128
146	Nickel foam-supported porous Ni(OH) <sub>2</sub> /NiOOH composite film as advanced pseudocapacitor material. <i>Electrochimica Acta</i> , 2011, 56, 2627-2632.	2.6	200
147	Highly flexible supercapacitors with manganese oxide nanosheet/carbon cloth electrode. <i>Electrochimica Acta</i> , 2011, 56, 7124-7130.	2.6	224

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149	Spark plasma sintered carbon electrodes for electrical double layer capacitor applications. <i>Journal of Power Sources</i> , 2011, 196, 1620-1625.	4.0	20
150	Physical and electrochemical characteristics of supercapacitors based on carbide derived carbon electrodes in aqueous electrolytes. <i>Journal of Power Sources</i> , 2011, 196, 4109-4116.	4.0	94
151	Dual functions of activated carbon in a positive electrode for MnO <sub>2</sub> -based hybrid supercapacitor. <i>Journal of Power Sources</i> , 2011, 196, 4095-4101.	4.0	72
152	Enhanced Li capacity at high lithiation potentials in graphene oxide. <i>Journal of Power Sources</i> , 2011, 196, 5697-5703.	4.0	58
153	KOH modified graphene nanosheets for supercapacitor electrodes. <i>Journal of Power Sources</i> , 2011, 196, 6003-6006.	4.0	173
154	Direct synthesis of porous NiO nanowall arrays on conductive substrates for supercapacitor application. <i>Journal of Solid State Chemistry</i> , 2011, 184, 578-583.	1.4	103
155	Enhancement of electric double layer capacitance of carbon nanotubes by gallium ion irradiation. <i>Journal of Applied Physics</i> , 2011, 109, 044308-044308-4.	1.1	3
157	Fabrication and textural characterization of nanoporous carbon electrodes embedded with CuO nanoparticles for supercapacitors. <i>Science and Technology of Advanced Materials</i> , 2011, 12, 044602.	2.8	46
158	Charge Transfer Between Polyaniline and Carbon Nanotubes Supercapacitors: Improving Both Energy and Power Densities. <i>Journal of the Electrochemical Society</i> , 2011, 158, A1.	1.3	40
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456	Capacitance enhancement of polyaniline coated curved-graphene supercapacitors in a redox-active electrolyte. <i>Nanoscale</i> , 2013, 5, 4134.	2.8	151
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459	Pyrolic-structure enriched nitrogen doped graphene for highly efficient next generation supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2904.	5.2	215

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475	Facile Fabrication of Hierarchically Porous CuFe <sub>2</sub> O <sub>4</sub> Nanospheres with Enhanced Capacitance Property. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6030-6037.	4.0	206
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892	Effects of the graphene content and the treatment temperature on the supercapacitive properties of VOx/graphene nanocomposites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 449, 148-156.	2.3	21
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895	Facile synthesis and advanced performance of Ni(OH) <sub>2</sub> /CNTs nanoflake composites on supercapacitor applications. <i>Chemical Physics Letters</i> , 2014, 601, 168-173.	1.2	54

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1030	Single Electrode Capacitances of Porous Carbons in Neat Ionic Liquid Electrolyte at 100°C: A Combined Experimental and Modeling Approach. <i>Journal of the Electrochemical Society</i> , 2015, 162, A5091-A5095.	1.3	32
1031	Superhigh-rate capacitive performance of heteroatoms-doped double shell hollow carbon spheres. <i>Carbon</i> , 2015, 86, 235-244.	5.4	68
1032	Superior performance asymmetric supercapacitors based on ZnCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> core-shell electrode. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5442-5448.	5.2	158
1033	Adjusting electrode initial potential to obtain high-performance asymmetric supercapacitor based on porous vanadium pentoxide nanotubes and activated carbon nanorods. <i>Journal of Power Sources</i> , 2015, 279, 358-364.	4.0	66
1034	Electrochemical behavior of MgO-templated mesoporous carbons in the propylene carbonate solution of sodium hexafluorophosphate. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 273-280.	1.5	6
1035	A Versatile Strategy toward Binary Three-Dimensional Architectures Based on Engineering Graphene Aerogels with Porous Carbon Fabrics for Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4257-4264.	4.0	66
1036	Reduction Mechanism and Capacitive Properties of Highly Electrochemically Reduced TiO <sub>2</sub> Nanotube Arrays. <i>Electrochimica Acta</i> , 2015, 161, 40-47.	2.6	90
1037	In Situ Preparation of Sandwich MoO <sub>3</sub> /C Hybrid Nanostructures for High-Rate and Ultralong-Life Supercapacitors. <i>Advanced Functional Materials</i> , 2015, 25, 1886-1894.	7.8	116
1038	Applications for CO <sub>2</sub> -Activated Carbon Monoliths: EDLC Electrodes. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, E127.	1.1	5
1039	High-performance all-solid state asymmetric supercapacitor based on Co <sub>3</sub> O <sub>4</sub> nanowires and carbon aerogel. <i>Journal of Power Sources</i> , 2015, 282, 179-186.	4.0	269
1040	Electrospun NiO nanofibers as cathode materials for high performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7513-7522.	5.2	149
1041	Thermal Cyclodebromination of Polybromopyrroles to Polymer with High Performance for Supercapacitor. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3881-3891.	1.5	22
1042	Charge Storage in Cation Incorporated $\pm$ -MnO <sub>2</sub> . <i>Chemistry of Materials</i> , 2015, 27, 1172-1180.	3.2	122

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1043	Atomic Layer Deposition Encapsulated Activated Carbon Electrodes for High Voltage Stable Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 1899-1906.	4.0	30
1044	Single-Step, Plasma-Enabled Reforming of Natural Precursors into Vertical Graphene Electrodes with High Areal Capacitance. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 544-551.	3.2	34
1045	Contribution of mesopores in MgO-templated mesoporous carbons to capacitance in non-aqueous electrolytes. <i>Journal of Power Sources</i> , 2015, 276, 176-180.	4.0	23
1046	Hierarchically Porous Carbon Nanosheets from Waste Coffee Grounds for Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 3684-3690.	4.0	261
1047	Polypyrrole Shell@3D Ni Metal Core Structured Electrodes for High Performance Supercapacitors. <i>Chemistry - A European Journal</i> , 2015, 21, 4614-4621.	1.7	82
1048	Carbon Nanotube-Bridged Graphene 3D Building Blocks for Ultrafast Compact Supercapacitors. <i>ACS Nano</i> , 2015, 9, 2018-2027.	7.3	277
1049	Promising Performance Indicators for Water Desalination and Aqueous Capacitors Obtained by Engineering the Electric Double Layer in Nano-Structured Carbon Electrodes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3331-3337.	1.5	22
1050	Ultrathin MoO <sub>3</sub> nanocrystals self-assembled on graphene nanosheets via oxygen bonding as supercapacitor electrodes of high capacitance and long cycle life. <i>Nano Energy</i> , 2015, 12, 510-520.	8.2	192
1051	Ultrathin mesoporous Co <sub>3</sub> O <sub>4</sub> nanosheets on Ni foam for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2015, 157, 62-68.	2.6	85
1052	Carbon nanotube spaced graphene aerogels with enhanced capacitance in aqueous and ionic liquid electrolytes. <i>Journal of Power Sources</i> , 2015, 278, 751-759.	4.0	122
1053	Increasing Capacitance of Zeolite-Templated Carbons in Electric Double Layer Capacitors. <i>Journal of the Electrochemical Society</i> , 2015, 162, A5070-A5076.	1.3	29
1054	Cobalt oxide functionalized nanoporous carbon electrodes and their excellent supercapacitive performance. <i>RSC Advances</i> , 2015, 5, 13930-13940.	1.7	20
1055	Porous carbon made from rice husk as electrode material for electrochemical double layer capacitor. <i>Applied Energy</i> , 2015, 153, 41-47.	5.1	191
1056	Enteromorpha based porous carbons activated by zinc chloride for supercapacitors with high capacity retention. <i>RSC Advances</i> , 2015, 5, 16575-16581.	1.7	47
1057	A multi-level structure bio-carbon composite with polyaniline for high performance supercapacitors. <i>RSC Advances</i> , 2015, 5, 12230-12236.	1.7	10
1058	Sulfur-doped porous carbon nanosheets as an advanced electrode material for supercapacitors. <i>RSC Advances</i> , 2015, 5, 13046-13051.	1.7	95
1059	Direct and environmentally benign synthesis of manganese oxide/graphene composites from graphite for electrochemical capacitors. <i>Journal of Power Sources</i> , 2015, 281, 44-48.	4.0	32
1060	Enhanced electrochemical performance of hybrid SnO <sub>2</sub> @MO <sub>x</sub> (M = Ni, Co,) Tj ETQq1 1 0.784314 rgBT /Over materials. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3676-3682.	5.2	85

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1061	Directly Grown Nanostructured Electrodes for High Volumetric Energy Density Binder-Free Hybrid Supercapacitors: A Case Study of CNTs//Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> . <i>Scientific Reports</i> , 2015, 5, 7780.	1.6	104
1062	Three-dimensional nanostructured NiO@Co <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> compound on nickel foam as pseudocapacitive electrodes for electrochemical capacitors. <i>Journal of Alloys and Compounds</i> , 2015, 627, 313-319.	2.8	18
1063	Green synthesis of MnO <sub>x</sub> nanostructures and studies of their supercapacitor performance. <i>Science China Chemistry</i> , 2015, 58, 627-633.	4.2	14
1064	One-Step Facile Solvothermal Synthesis of Copper Ferrite@Graphene Composite as a High-Performance Supercapacitor Material. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 2404-2414.	4.0	215
1065	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. <i>RSC Advances</i> , 2015, 5, 10178-10186.	1.7	68
1066	Thermal Conversion of Core@Shell Metal@Organic Frameworks: A New Method for Selectively Functionalized Nanoporous Hybrid Carbon. <i>Journal of the American Chemical Society</i> , 2015, 137, 1572-1580.	6.6	1,307
1067	Facile Synthesis of Three Dimensional NiCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> Core@Shell Nanosheet Arrays and its Supercapacitive Performance. <i>Electrochimica Acta</i> , 2015, 157, 31-40.	2.6	88
1068	Facile synthesis of porous Mn <sub>2</sub> O <sub>3</sub> nanocubics for high-rate supercapacitors. <i>Electrochimica Acta</i> , 2015, 157, 108-114.	2.6	96
1069	Solvent-Free Electrolytes for Electrical Double Layer Capacitors. <i>Journal of the Electrochemical Society</i> , 2015, 162, A5037-A5040.	1.3	44
1070	Mesoporous V <sub>2</sub> O <sub>5</sub> /Ketjin black nanocomposites for all-solid-state symmetric supercapacitors. <i>CrystEngComm</i> , 2015, 17, 1673-1679.	1.3	27
1071	Surface design and engineering of hierarchical hybrid nanostructures for asymmetric supercapacitors with improved electrochemical performance. <i>Journal of Colloid and Interface Science</i> , 2015, 447, 282-301.	5.0	43
1072	Ultra-fast rate capability of a symmetric supercapacitor with a hierarchical Co <sub>3</sub> O <sub>4</sub> nanowire/nanoflower hybrid structure in non-aqueous electrolyte. <i>RSC Advances</i> , 2015, 5, 12700-12709.	1.7	59
1073	Strongly coupled metal oxide nanorod arrays with graphene nanoribbons and nanosheets enable novel solid-state hybrid cells. <i>Journal of Power Sources</i> , 2015, 283, 95-103.	4.0	11
1074	General formation of Mn-based transition metal oxide twin-microspheres with enhanced lithium storage properties. <i>RSC Advances</i> , 2015, 5, 26863-26871.	1.7	17
1075	Potential-Induced Electronic Structure Changes in Supercapacitor Electrodes Observed by In Operando Soft X-Ray Spectroscopy. <i>Advanced Materials</i> , 2015, 27, 1512-1518.	11.1	25
1076	Hierarchical porous carbon based on the self-templating structure of rice husk for high-performance supercapacitors. <i>RSC Advances</i> , 2015, 5, 19294-19300.	1.7	107
1077	Encapsulation of manganese oxides nanocrystals in electrospun carbon nanofibers as free-standing electrode for supercapacitors. <i>Ceramics International</i> , 2015, 41, 7402-7410.	2.3	29
1078	Synthesis and characterization of copper-infiltrated carbonized wood monoliths for supercapacitor electrodes. <i>Electrochimica Acta</i> , 2015, 161, 343-350.	2.6	37



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1079	3D Nanostructure of Carbon Nanotubes Decorated Co <sub>3</sub> O <sub>4</sub> Nanowire Arrays for High Performance Supercapacitor Electrode. <i>Electrochimica Acta</i> , 2015, 163, 9-15.	2.6	77
1080	Interwoven Three-Dimensional Architecture of Cobalt Oxide Nanobrush-Graphene@Ni <sub>3</sub> Co <sub>2</sub> (OH) <sub>6</sub> for High-Performance Supercapacitors. <i>Nano Letters</i> , 2015, 15, 2037-2044.	4.5	134
1081	Three-dimensional graphene nanosheets/carbon nanotube paper as flexible electrodes for electrochemical capacitors. <i>RSC Advances</i> , 2015, 5, 22173-22177.	1.7	7
1082	Engineering of high performance supercapacitor electrode based on Fe-Ni/Fe <sub>2</sub> O <sub>3</sub> -NiO core/shell hybrid nanostructures. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	34
1083	Ni <sup>3+</sup> -doped monolayer layered double hydroxide nanosheets as efficient electrodes for supercapacitors. <i>Nanoscale</i> , 2015, 7, 7168-7173.	2.8	127
1084	One-dimensional nanostructures for flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16382-16392.	5.2	70
1085	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. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16150-16161.	5.2	171
1086	Controllable preparation of multi-dimensional hybrid materials of nickel-cobalt layered double hydroxide nanorods/nanosheets on electrospun carbon nanofibers for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2015, 174, 456-463.	2.6	107
1087	Three-dimensional graphene layers prepared by a gas-foaming method for supercapacitor applications. <i>Carbon</i> , 2015, 94, 879-887.	5.4	107
1088	In situ preparation of ZnO/graphene nanocomposites: excellent candidate as a photocatalyst for enhanced solar hydrogen generation and high performance supercapacitor electrode. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17050-17063.	5.2	96
1089	Facile self-templating large scale preparation of biomass-derived 3D hierarchical porous carbon for advanced supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18154-18162.	5.2	424
1090	Growth of Ultrathin Mesoporous Ni-Mo Oxide Nanosheet Arrays on Ni Foam for High-performance Supercapacitor Electrodes. <i>Electrochimica Acta</i> , 2015, 176, 1343-1351.	2.6	38
1091	Electrochemical Supercapacitors from Diamond. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18918-18926.	1.5	68
1092	Highly porous graphitic carbon and Ni <sub>2</sub> P <sub>2</sub> O <sub>7</sub> for a high performance aqueous hybrid supercapacitor. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21553-21561.	5.2	153
1093	Three-dimensional electrode of Ni/Co layered double hydroxides@NiCo <sub>2</sub> S <sub>4</sub> @graphene@Ni foam for supercapacitors with outstanding electrochemical performance. <i>Electrochimica Acta</i> , 2015, 176, 1153-1164.	2.6	64
1094	Design of aqueous redox-enhanced electrochemical capacitors with high specific energies and slow self-discharge. <i>Nature Communications</i> , 2015, 6, 7818.	5.8	300
1095	Novel route to synthesis of N-doped graphene/CuNi oxide composite for high electrochemical performance. <i>Carbon</i> , 2015, 94, 962-970.	5.4	79
1096	Bottom-up synthesis of high-performance nitrogen-enriched transition metal/graphene oxygen reduction electrocatalysts both in alkaline and acidic solution. <i>Nanoscale</i> , 2015, 7, 14707-14714.	2.8	29



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1098	The impact of morphologies and electrolyte solutions on the supercapacitive behavior for Fe <sub>2</sub> O <sub>3</sub> and the charge storage mechanism. <i>Electrochimica Acta</i> , 2015, 178, 171-178.	2.6	37
1099	Application of binder-free TiO <sub>2</sub> /N <sub>2</sub> nanogrid film as a high-power supercapacitor electrode. <i>Journal of Power Sources</i> , 2015, 296, 53-63.	4.0	25
1100	Enhancement of CNT/PET film adhesion by nano-scale modification for flexible all-solid-state supercapacitors. <i>Applied Surface Science</i> , 2015, 355, 160-165.	3.1	45
1101	Three-dimensional Fe <sub>2</sub> O <sub>3</sub> /carbon nanotube sponges as flexible supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20927-20934.	5.2	151
1102	Coaxial CoMoO <sub>4</sub> nanowire arrays with chemically integrated conductive coating for high-performance flexible all-solid-state asymmetric supercapacitors. <i>Nanoscale</i> , 2015, 7, 15159-15167.	2.8	49
1103	Si/NiCo <sub>2</sub> O <sub>4</sub> heterostructures electrodes with enhanced performance for supercapacitor. <i>RSC Advances</i> , 2015, 5, 62813-62818.	1.7	4
1104	Scalable fabrication of exceptional 3D carbon networks for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16104-16111.	5.2	55
1105	Thermochemical conversion of lignin to functional materials: a review and future directions. <i>Green Chemistry</i> , 2015, 17, 4888-4907.	4.6	437
1106	A self-supported, flexible, binder-free pseudo-supercapacitor electrode material with high capacitance and cycling stability from hollow, capsular polypyrrole fibers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16162-16167.	5.2	42
1107	Rational design of octahedron and nanowire CeO <sub>2</sub> @MnO <sub>2</sub> core-shell heterostructures with outstanding rate capability for asymmetric supercapacitors. <i>Chemical Communications</i> , 2015, 51, 14840-14843.	2.2	160
1108	Highly flexible and transferable supercapacitors with ordered three-dimensional MnO <sub>2</sub> /Au/MnO <sub>2</sub> nanospine arrays. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10199-10204.	5.2	53
1109	Large-scale synthesis of Co <sub>2</sub> V <sub>2</sub> O <sub>7</sub> hexagonal microplatelets under ambient conditions for highly reversible lithium storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16728-16736.	5.2	116
1110	High-rate supercapacitor utilizing hydrous ruthenium dioxide nanotubes. <i>Journal of Power Sources</i> , 2015, 294, 88-93.	4.0	44
1111	Hydrothermal synthesis of urchin-like MnO <sub>2</sub> nanostructures and its electrochemical character for supercapacitor. <i>Applied Surface Science</i> , 2015, 351, 862-868.	3.1	69
1112	Hexamethylenetetramine assisted hydrothermal synthesis of BiPO <sub>4</sub> and its electrochemical properties for supercapacitors. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 86, 11-18.	1.9	36
1113	Two-dimensional titanium carbide electrode with large mass loading for supercapacitor. <i>Journal of Power Sources</i> , 2015, 294, 354-359.	4.0	199
1114	A self-standing nanocomposite foam of polyaniline@reduced graphene oxide for flexible super-capacitors. <i>Synthetic Metals</i> , 2015, 209, 68-73.	2.1	65

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1115	Heterogeneous NiCo <sub>2</sub> O <sub>4</sub> @polypyrrole core/sheath nanowire arrays on Ni foam for high performance supercapacitors. <i>Journal of Power Sources</i> , 2015, 294, 120-127.	4.0	142
1116	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. <i>RSC Advances</i> , 2015, 5, 63528-63536.	1.7	41
1117	A reduced graphene oxide modified metallic cobalt composite with superior electrochemical performance for supercapacitors. <i>RSC Advances</i> , 2015, 5, 63553-63560.	1.7	74
1118	One step microwaved-assisted hydrothermal synthesis of nitrogen doped graphene for high performance of supercapacitor. <i>Applied Surface Science</i> , 2015, 355, 419-428.	3.1	40
1119	Extremely Durable, Flexible Supercapacitors with Greatly Improved Performance at High Temperatures. <i>ACS Nano</i> , 2015, 9, 8569-8577.	7.3	113
1120	Quantitative Analysis of Charge Storage Process of Tungsten Oxide that Combines Pseudocapacitive and Electrochromic Properties. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16483-16489.	1.5	93
1121	Rational design and synthesis of Ni <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> nanoparticles derived from multivariate MOF-74 for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20145-20152.	5.2	214
1122	Polypyrrole doped with dodecyl benzene sulfonate electrodeposited on carbon fibers for flexible capacitors with high-performance. <i>Electrochimica Acta</i> , 2015, 176, 594-603.	2.6	36
1123	Synthesis of carbon core-shell pore structures and their performance as supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2015, 218, 130-136.	2.2	35
1124	Template-Free Synthesis of Ruthenium Oxide Nanotubes for High-Performance Electrochemical Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16686-16693.	4.0	22
1125	Hydrothermal growth of MnO <sub>2</sub> /RGO/Ni(OH) <sub>2</sub> on nickel foam with superior supercapacitor performance. <i>RSC Advances</i> , 2015, 5, 62571-62576.	1.7	40
1126	Hierarchical Co <sub>3</sub> O <sub>4</sub> @PPy core/shell nanowire arrays on nickel foam for electrochemical energy storage. <i>Materials Letters</i> , 2015, 157, 23-26.	1.3	19
1127	Few-layered Ni(OH) <sub>2</sub> nanosheets for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2015, 295, 323-328.	4.0	180
1128	Enhanced supercapacitor performance by fabricating hierarchical nanoporous nickel/nickel hydroxide structure. <i>Materials Letters</i> , 2015, 158, 366-369.	1.3	16
1129	Template-grown graphene/porous Fe <sub>2</sub> O <sub>3</sub> nanocomposite: A high-performance anode material for pseudocapacitors. <i>Nano Energy</i> , 2015, 15, 719-728.	8.2	116
1130	Morphology controllable nano-sheet polypyrrole-graphene composites for high-rate supercapacitor. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19885-19894.	1.3	100
1131	Controlled synthesis of NiCo <sub>2</sub> S <sub>4</sub> nanostructured arrays on carbon fiber paper for high-performance pseudocapacitors. <i>Nano Energy</i> , 2015, 16, 71-80.	8.2	354
1132	Polypyrrole-polyoxometalate/reduced graphene oxide ternary nanohybrids for flexible, all-solid-state supercapacitors. <i>Chemical Communications</i> , 2015, 51, 12377-12380.	2.2	99

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1133	An advanced aqueous sodium-ion supercapacitor with a manganous hexacyanoferrate cathode and a $\text{Fe}_3\text{O}_4/\text{rGO}$ anode. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16013-16019.	5.2	123
1134	Low Cost Facile Synthesis of Large-Area Cobalt Hydroxide Nanorods with Remarkable Pseudocapacitance. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9147-9156.	4.0	38
1135	In situ fabrication of graphene decorated microstructured globe artichokes of partial molar nickel cobaltite anchored on a Ni foam as a high-performance supercapacitor electrode. <i>RSC Advances</i> , 2015, 5, 38407-38416.	1.7	55
1136	Controlled synthesis of zinc cobalt sulfide nanostructures in oil phase and their potential applications in electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11462-11470.	5.2	113
1137	Microwave synthesis of highly oxidized and defective carbon nanotubes for enhancing the performance of supercapacitors. <i>Carbon</i> , 2015, 91, 103-113.	5.4	35
1138	Electron beam deposition of amorphous manganese oxide thin film electrodes and their predominant electrochemical properties. <i>Journal of Power Sources</i> , 2015, 284, 264-271.	4.0	9
1139	Face-to-face self-assembly graphene/ $\text{MnO}_2$ nanocomposites for supercapacitor applications using electrochemically exfoliated graphene. <i>Electrochimica Acta</i> , 2015, 167, 412-420.	2.6	59
1140	Fabrication of polyaniline/urchin-like mesoporous $\text{TiO}_2$ spheres nanocomposite and its application in supercapacitors. <i>Electrochimica Acta</i> , 2015, 163, 232-237.	2.6	27
1141	Synthesis and electrochemical properties of poly (2-ethynylpyridine) functionalized graphene nanosheets. <i>Journal of Alloys and Compounds</i> , 2015, 640, 267-274.	2.8	10
1142	High power density electric double-layer capacitor based on a porous multi-walled carbon nanotube microsphere as a local electrolyte micro-reservoir. <i>Carbon</i> , 2015, 92, 254-261.	5.4	37
1143	Facile solvothermal synthesis of porous $\text{ZnFe}_2\text{O}_4$ microspheres for capacitive pseudocapacitors. <i>RSC Advances</i> , 2015, 5, 39270-39277.	1.7	88
1144	Large scale production of biomass-derived nitrogen-doped porous carbon materials for supercapacitors. <i>Electrochimica Acta</i> , 2015, 169, 186-194.	2.6	200
1145	Ultrafine Ag/ $\text{MnO}$ nanowire-constructed hair-like nanoarchitecture: In situ synthesis, formation mechanism and its supercapacitive property. <i>Journal of Alloys and Compounds</i> , 2015, 644, 47-53.	2.8	11
1146	Interfacial Redox Phenomena for Enhanced Aqueous Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2015, 162, A5140-A5147.	1.3	75
1147	Enhanced electrochemical performance of polyaniline/carbon/titanium nitride nanowire array for flexible supercapacitor. <i>Journal of Power Sources</i> , 2015, 286, 561-570.	4.0	116
1148	Self-Assembly of Monodisperse Starburst Carbon Spheres into Hierarchically Organized Nanostructured Supercapacitor Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9128-9133.	4.0	36
1149	Facile synthesis of three-dimensional structured carbon fiber- $\text{NiCo}_2\text{O}_4$ - $\text{Ni}(\text{OH})_2$ high-performance electrode for pseudocapacitors. <i>Scientific Reports</i> , 2015, 5, 9277.	1.6	78
1150	Effect of different reduction methods on electrochemical cycling stability of reduced graphene oxide in supercapacitors. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 57-65.	1.5	7

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1151	Electrochemical fabrication of porous manganese-cobalt oxide films for electrochemical capacitors. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 495-501.	1.5	7
1152	Improvement in flexibility and volumetric performance for supercapacitor application and the effect of Ni-Fe ratio on electrode behaviour. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7607-7615.	5.2	32
1153	Reduced graphene oxide/carbon nanotube hybrid film as high performance negative electrode for supercapacitor. <i>Electrochimica Acta</i> , 2015, 169, 342-350.	2.6	139
1154	Ultrahigh-rate and high-density lithium-ion capacitors through hybridizing nitrogen-enriched hierarchical porous carbon cathode with prelithiated microcrystalline graphite anode. <i>Nano Energy</i> , 2015, 15, 43-53.	8.2	156
1155	Effects of nitrogen- and oxygen-containing functional groups of activated carbon nanotubes on the electrochemical performance in supercapacitors. <i>Journal of Power Sources</i> , 2015, 285, 303-309.	4.0	182
1156	Flexible polyaniline-decorated carbon fiber nanocomposite mats as supercapacitors. <i>Materials Letters</i> , 2015, 154, 173-176.	1.3	33
1157	NiO hybrid nanoarchitecture-based pseudocapacitor in organic electrolyte with high rate capability and cycle life. <i>Ionics</i> , 2015, 21, 2623-2631.	1.2	19
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1159	Freestanding and flexible graphene wrapped MnO <sub>2</sub> /MoO <sub>3</sub> nanoparticle based asymmetric supercapacitors for high energy density and output voltage. <i>RSC Advances</i> , 2015, 5, 45129-45135.	1.7	30
1160	High performance of supercapacitor based on nitrogen-doped graphene/p-aminophenol electrodes. <i>Ionics</i> , 2015, 21, 2639-2645.	1.2	7
1161	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
1162	One dimensional nickel oxide-decorated cobalt oxide (Co <sub>3</sub> O <sub>4</sub> ) composites for high-performance supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2015, 749, 89-95.	1.9	19
1163	Facile synthesis of reduced graphene oxide/CeO <sub>2</sub> nanocomposites and their application in supercapacitors. <i>Ceramics International</i> , 2015, 41, 8710-8716.	2.3	63
1164	Microwave-assisted in situ synthesis of reduced graphene oxide/Mn <sub>3</sub> O <sub>4</sub> composites for supercapacitor applications. <i>RSC Advances</i> , 2015, 5, 45061-45067.	1.7	18
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1167	Facile synthesis of flower-like CoMn <sub>2</sub> O <sub>4</sub> microspheres for electrochemical supercapacitors. <i>RSC Advances</i> , 2015, 5, 30963-30969.	1.7	86
1168	Hierarchical micro-architectures of electrodes for energy storage. <i>Journal of Power Sources</i> , 2015, 284, 435-445.	4.0	70

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1170	Fast synthesis and electrochemical performance of hollow NiCo <sub>2</sub> O <sub>4</sub> flowerlike microstructures. <i>RSC Advances</i> , 2015, 5, 31558-31565.	1.7	9
1171	Composite of hierarchical interpenetrating 3D hollow carbon skeleton from lotus pollen and hexagonal MnO <sub>2</sub> nanosheets for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9754-9762.	5.2	45
1172	Porous and single crystalline Co <sub>3</sub> O <sub>4</sub> nanospheres for pseudocapacitors with enhanced performance. <i>RSC Advances</i> , 2015, 5, 27266-27272.	1.7	7
1173	Advanced solid-state asymmetric supercapacitors based on 3D graphene/MnO <sub>2</sub> and graphene/polypyrrole hybrid architectures. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12828-12835.	5.2	160
1174	Homogeneous core-shell NiCo <sub>2</sub> S <sub>4</sub> nanostructures supported on nickel foam for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12452-12460.	5.2	428
1175	Asymmetric Supercapacitive Characteristics of PANI Embedded Holey Graphene Nanoribbons. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1460-1469.	3.2	55
1176	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
1177	Facile one-step mechanochemical synthesis of [Cu(tu)]Cl·1/2H <sub>2</sub> O nanobelts for high-performance supercapacitor. <i>RSC Advances</i> , 2015, 5, 38527-38532.	1.7	10
1178	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
1179	Electrochemical polymerization of pyrene derivatives on functionalized carbon nanotubes for pseudocapacitive electrodes. <i>Nature Communications</i> , 2015, 6, 7040.	5.8	159
1180	A hierarchical porous carbon material from a loofah sponge network for high performance supercapacitors. <i>RSC Advances</i> , 2015, 5, 42430-42437.	1.7	86
1181	Free-standing graphene-based porous carbon films with three-dimensional hierarchical architecture for advanced flexible Li-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9438-9445.	5.2	51
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1183	Scalable Synthesis of Freestanding Sandwich-structured Graphene/Polyaniline/Graphene Nanocomposite Paper for Flexible All-Solid-State Supercapacitor. <i>Scientific Reports</i> , 2015, 5, 9359.	1.6	147
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1185	Three dimensional carbon nanotube/nickel hydroxide gels for advanced supercapacitors. <i>RSC Advances</i> , 2015, 5, 30260-30267.	1.7	11
1186	Vapor deposition polymerization of aniline on 3D hierarchical porous carbon with enhanced cycling stability as supercapacitor electrode. <i>Journal of Power Sources</i> , 2015, 286, 1-9.	4.0	108

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1187	Sol-gel synthesis of manganese oxide films and their predominant electrochemical properties. <i>Electrochimica Acta</i> , 2015, 167, 126-131.	2.6	32
1188	Conducting polymer micro-supercapacitors for flexible energy storage and AC line-filtering. <i>Nano Energy</i> , 2015, 13, 500-508.	8.2	214
1189	Carbon clad TiO <sub>2</sub> nanotubes: fabrication and use in 3D-RuO <sub>2</sub> based supercapacitors. <i>Chemical Communications</i> , 2015, 51, 7614-7617.	2.2	46
1190	Cobalt sulfide nanosheets coated on NiCo <sub>2</sub> S <sub>4</sub> nanotube arrays as electrode materials for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10492-10497.	5.2	161
1191	A facile synthesis of mesoporous Co <sub>3</sub> O <sub>4</sub> /CeO <sub>2</sub> hybrid nanowire arrays for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10425-10431.	5.2	108
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1203	A review of negative electrode materials for electrochemical supercapacitors. <i>Science China Technological Sciences</i> , 2015, 58, 1799-1808.	2.0	84
1204	Direct preparation and processing of graphene/RuO <sub>2</sub> nanocomposite electrodes for high-performance capacitive energy storage. <i>Nano Energy</i> , 2015, 18, 57-70.	8.2	181
1205	Crumpled Nitrogen-Doped Graphene for Supercapacitors with High Gravimetric and Volumetric Performances. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 22284-22291.	4.0	77
1206	High performance carbon nanotube based fiber-shaped supercapacitors using redox additives of polypyrrole and hydroquinone. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22353-22360.	5.2	91
1207	Hierarchical vanadium oxide microspheres forming from hyperbranched nanoribbons as remarkably high performance electrode materials for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22892-22901.	5.2	63



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1209	Nitrogen-doped carbon-coated molybdenum disulfide nanosheets for high-performance supercapacitor. <i>Synthetic Metals</i> , 2015, 209, 528-533.	2.1	19
1210	Capacitance Performance of Sub-2 nm Graphene Nanochannels in Aqueous Electrolyte. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23813-23819.	1.5	25
1211	Towards sustainable power sources: chitin-bound carbon electrodes for electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22923-22930.	5.2	22
1212	Urchin-like MnO <sub>2</sub> capped ZnO nanorods as high-rate and high-stability pseudocapacitor electrodes. <i>Electrochimica Acta</i> , 2015, 186, 1-6.	2.6	24
1213	Nano-porous activated carbon from sugarcane waste for supercapacitor application. <i>Journal of Energy Storage</i> , 2015, 4, 121-127.	3.9	69
1214	Dielectric capacitors with three-dimensional nanoscale interdigital electrodes for energy storage. <i>Science Advances</i> , 2015, 1, e1500605.	4.7	49
1215	Highly flexible, tailorable and all-solid-state supercapacitors from carbon nanotube@MnO <sub>x</sub> composite films. <i>RSC Advances</i> , 2015, 5, 89188-89194.	1.7	10
1216	One-pot synthesis and electrochemical properties of graphene/SnO <sub>2</sub> /poly (p-phenylenediamine) ternary nanocomposites. <i>Journal of Alloys and Compounds</i> , 2015, 652, 9-17.	2.8	16
1217	Construction of hierarchical CoS nanowire@NiCo <sub>2</sub> S <sub>4</sub> nanosheet arrays via one-step ion exchange for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24033-24040.	5.2	119
1218	Enhanced Supercapacitor Performance for Equal Co:Mn Stoichiometry in Colloidal Co <sub>3-x</sub> Mn <sub>x</sub> O <sub>4</sub> Nanoparticles, in Additive-Free Electrodes. <i>Chemistry of Materials</i> , 2015, 27, 7861-7873.	3.2	83
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1220	Nitrogen-Doped Graphene as Electrode Material with Enhanced Energy Density for Next-Generation Supercapacitor Application. <i>ECS Journal of Solid State Science and Technology</i> , 2015, 4, M88-M92.	0.9	15
1221	Controlled synthesis of hierarchical birnessite-type MnO <sub>2</sub> nanoflowers for supercapacitor applications. <i>Applied Surface Science</i> , 2015, 356, 259-265.	3.1	114
1222	Flexible Nitrogen Doped SiC Nanoarray for Ultrafast Capacitive Energy Storage. <i>ACS Nano</i> , 2015, 9, 8054-8063.	7.3	75
1223	An investigation of the electrochemically capacitive performances of mesoporous nickel cobaltite hollow spheres. <i>Electrochimica Acta</i> , 2015, 178, 153-162.	2.6	17
1224	Aligned carbon nanostructures based 3D electrodes for energy storage. <i>Journal of Energy Chemistry</i> , 2015, 24, 559-586.	7.1	19
1225	Compressed porous graphene particles for use as supercapacitor electrodes with excellent volumetric performance. <i>Nanoscale</i> , 2015, 7, 18459-18463.	2.8	94



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1227	Direct formation of porous MnO <sub>2</sub> /Ni composite foam applied for high-performance supercapacitors at mild conditions. <i>Electrochimica Acta</i> , 2015, 178, 823-828.	2.6	40
1228	Ni-Zn binary system hydroxide, oxide and sulfide materials: synthesis and high supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23333-23344.	5.2	107
1229	Super long-life supercapacitor electrode materials based on hierarchical porous hollow carbon microcapsules. <i>RSC Advances</i> , 2015, 5, 87077-87083.	1.7	21
1230	Activated carbon nanospheres derived from bio-waste materials for supercapacitor applications – a review. <i>RSC Advances</i> , 2015, 5, 88339-88352.	1.7	168
1231	In situ anchoring uniform MnO <sub>2</sub> nanosheets on three-dimensional macroporous graphene thin-films for supercapacitor electrodes. <i>RSC Advances</i> , 2015, 5, 90307-90312.	1.7	22
1232	Single-crystalline Ni(OH) <sub>2</sub> nanosheets vertically aligned on a three-dimensional nanoporous metal for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23412-23419.	5.2	45
1233	Rational Synthesis of Branched CoMoO <sub>4</sub> @CoNiO <sub>2</sub> Core/Shell Nanowire Arrays for All-Solid-State Supercapacitors with Improved Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24204-24211.	4.0	79
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1235	Nitrogen-enriched hierarchical porous carbon with enhanced performance in supercapacitors and lithium-sulfur batteries. <i>RSC Advances</i> , 2015, 5, 75403-75410.	1.7	8
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1239	Enhanced supercapacitor performances using C-doped porous TiO <sub>2</sub> electrodes. <i>Applied Surface Science</i> , 2015, 356, 553-560.	3.1	30
1240	Fabrication of Uniform Nanocomposite by Anchoring Polyaniline Nanofibers on the Surface of Graphene Oxide for Supercapacitors. <i>Integrated Ferroelectrics</i> , 2015, 161, 76-84.	0.3	3
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1242	Fabrication of NiCo <sub>2</sub> O <sub>4</sub> and carbon nanotube nanocomposite films as a high-performance flexible electrode of supercapacitors. <i>RSC Advances</i> , 2015, 5, 74032-74039.	1.7	28
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1245	Statistical Mechanics of "Unwanted Electroactuation"™ in Nanoporous Supercapacitors. <i>Electrochimica Acta</i> , 2015, 174, 978-984.	2.6	12
1246	AC-MnO <sub>2</sub> /CNT Composites for Electrodes of Electrochemical Supercapacitors. <i>Materials Science Forum</i> , 0, 827, 113-118.	0.3	4
1247	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
1248	Liquor ammonia mediated V( <i>v</i> ) insertion in thin Co <sub>3</sub> O <sub>4</sub> sheets for improved pseudocapacitors with high energy density and high specific capacitance value. <i>Chemical Communications</i> , 2015, 51, 15986-15989.	2.2	52
1249	Hollowed-out tubular carbon@MnO <sub>2</sub> hybrid composites with controlled morphology derived from kapok fibers for supercapacitor electrode materials. <i>Electrochimica Acta</i> , 2015, 178, 709-720.	2.6	26
1250	Fabrication and electrochemical properties of porous VN hollow nanofibers. <i>Journal of Alloys and Compounds</i> , 2015, 651, 785-792.	2.8	32
1251	The effect of various electrolyte cations on electrochemical performance of polypyrrole/RGO based supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28666-28673.	1.3	140
1252	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
1253	MnO <sub>2</sub> -based nanostructures for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21380-21423.	5.2	817
1254	Triethanolamine functionalized graphene-based composites for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21789-21796.	5.2	112
1255	Supercapacitor electrodes based on nano-polyaniline deposited on hollow carbon spheres derived from cross-linked co-polymers. <i>Synthetic Metals</i> , 2015, 209, 369-376.	2.1	52
1256	TiC-carbide derived carbon electrolyte adsorption study by ways of X-ray scattering analysis. <i>Materials for Renewable and Sustainable Energy</i> , 2015, 4, 17.	1.5	6
1257	An electrochromic supercapacitor and its hybrid derivatives: quantifiably determining their electrical energy storage by an optical measurement. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21321-21327.	5.2	124
1258	Electrochemical performances of silver nanoparticles decorated polyaniline/graphene nanocomposite in different electrolytes. <i>Journal of Alloys and Compounds</i> , 2015, 653, 486-497.	2.8	67
1259	3D interconnected porous NiMoO <sub>4</sub> nanoplate arrays on Ni foam as high-performance binder-free electrode for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22081-22087.	5.2	98
1260	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. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 21334-21346.	4.0	286
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1263	A thin film approach for SiC-derived graphene as an on-chip electrode for supercapacitors. <i>Nanotechnology</i> , 2015, 26, 434005.	1.3	18
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1265	Super-capacitive behavior of carbon nano tube doped 11-(4-cyanobiphenyl-4-oxy) undecan-1-ol. <i>Journal of Molecular Liquids</i> , 2015, 211, 442-447.	2.3	11
1266	A facile fabrication of MnO <sub>2</sub> /graphene hybrid microspheres with a porous secondary structure for high performance supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 949-956.	1.2	32
1267	Conducting polymer–based flexible supercapacitor. <i>Energy Science and Engineering</i> , 2015, 3, 2-26.	1.9	516
1268	Reducing CO <sub>2</sub> to dense nanoporous graphene by Mg/Zn for high power electrochemical capacitors. <i>Nano Energy</i> , 2015, 11, 600-610.	8.2	100
1269	From Rice Bran to High Energy Density Supercapacitors: A New Route to Control Porous Structure of 3D Carbon. <i>Scientific Reports</i> , 2014, 4, 7260.	1.6	128
1270	Structural Evolution of 2D Microporous Covalent Triazine-Based Framework toward the Study of High-Performance Supercapacitors. <i>Journal of the American Chemical Society</i> , 2015, 137, 219-225.	6.6	390
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1274	Layer-Structured Copper Antimony Chalcogenides (CuSbSe <sub>2</sub> S <sub>2</sub> ): Stable Electrode Materials for Supercapacitors. <i>Chemistry of Materials</i> , 2015, 27, 379-386.	3.2	77
1275	Comparative study on three commercial carbons for supercapacitor applications. <i>Russian Journal of Electrochemistry</i> , 2015, 51, 77-85.	0.3	15
1276	High capacitive performance of exfoliated biochar nanosheets from biomass waste corn cob. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2903-2913.	5.2	207
1277	N-doped structures and surface functional groups of reduced graphene oxide and their effect on the electrochemical performance of supercapacitor with organic electrolyte. <i>Journal of Power Sources</i> , 2015, 278, 218-229.	4.0	126
1278	Synthesis of nickel oxalate/zeolitic imidazolate framework-67 (Ni <sub>2</sub> O <sub>4</sub> /ZIF-67) as a supercapacitor electrode. <i>New Journal of Chemistry</i> , 2015, 39, 94-97.	1.4	60
1280	Smart design of free-standing ultrathin Co–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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1282	Facile synthesis of ultrathin manganese dioxide nanosheets arrays on nickel foam as advanced binder-free supercapacitor electrodes. <i>Journal of Power Sources</i> , 2015, 277, 36-43.	4.0	154
1283	A two-dimensional highly ordered mesoporous carbon/graphene nanocomposite for electrochemical double layer capacitors: effects of electrical and ionic conduction pathways. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2314-2322.	5.2	49
1284	Nitrogen-functionalized microporous carbon nanoparticles for high performance supercapacitor electrode. <i>Electrochimica Acta</i> , 2015, 153, 448-455.	2.6	177
1285	Three dimensional Ni foam-supported graphene oxide for binder-free pseudocapacitor. <i>Electrochimica Acta</i> , 2015, 152, 216-221.	2.6	44
1286	Porous NiCo <sub>2</sub> O <sub>4</sub> nanosheets/reduced graphene oxide composite: Facile synthesis and excellent capacitive performance for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2015, 440, 211-218.	5.0	68
1287	Investigation of Charge Transfer Kinetics of Polyaniline Supercapacitor Electrodes by Scanning Electrochemical Microscopy. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400154.	1.9	40
1288	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
1289	Porous reduced graphene oxide wrapped carbon nanotube@manganese dioxide nanocables with enhanced electrochemical capacitive performance. <i>RSC Advances</i> , 2015, 5, 6136-6141.	1.7	9
1290	Facile synthesis of hierarchical porous ZnCo <sub>2</sub> O <sub>4</sub> microspheres for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 982-985.	5.2	135
1291	Controlled growth of nanostructured MnO <sub>2</sub> on carbon nanotubes for high-performance electrochemical capacitors. <i>Electrochimica Acta</i> , 2015, 152, 480-488.	2.6	77
1292	Super-high rate stretchable polypyrrole-based supercapacitors with excellent cycling stability. <i>Nano Energy</i> , 2015, 11, 518-525.	8.2	248
1293	2 D amorphous frameworks of NiMoO <sub>4</sub> for supercapacitors: defining the role of surface and bulk controlled diffusion processes. <i>Applied Surface Science</i> , 2015, 326, 39-47.	3.1	52
1294	Facile fabrication of polyaniline nanotubes using the self-assembly behavior based on the hydrogen bonding: a mechanistic study and application in high-performance electrochemical supercapacitor electrode. <i>Electrochimica Acta</i> , 2015, 152, 126-134.	2.6	99
1295	Electrochemical behaviour of hybrid devices based on Na <sub>2</sub> SO <sub>4</sub> and Rb <sub>2</sub> SO <sub>4</sub> neutral aqueous electrolytes and carbon electrodes within wide cell potential region. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 769-783.	1.2	18
1296	Correlation of the structure and applications of dealloyed nanoporous metals in catalysis and energy conversion/storage. <i>Nanoscale</i> , 2015, 7, 386-400.	2.8	78
1297	Novel Metal@Carbon Spheres Core@Shell Arrays by Controlled Self-Assembly of Carbon Nanospheres: A Stable and Flexible Supercapacitor Electrode. <i>Advanced Energy Materials</i> , 2015, 5, 1401709.	10.2	139
1298	Functionalized graphene aerogel composites for high-performance asymmetric supercapacitors. <i>Nano Energy</i> , 2015, 11, 611-620.	8.2	120

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1299	Synthesis of free-standing carbon nanohybrid by directly growing carbon nanotubes on air-sprayed graphene oxide paper and its application in supercapacitor. <i>Journal of Solid State Chemistry</i> , 2015, 224, 45-51.	1.4	16
1300	Electrostatic Induced Stretch Growth of Homogeneous $\text{Ni}(\text{OH})_2$ on Graphene with Enhanced High-Rate Cycling for Supercapacitors. <i>Scientific Reports</i> , 2014, 4, 3669.	1.6	222
1301	Polyaniline/ $\text{MnO}_2$ composite with high performance as supercapacitor electrode via pulse electrodeposition. <i>Polymer Composites</i> , 2015, 36, 113-120.	2.3	35
1302	Merging of Kirkendall Growth and Ostwald Ripening: $\text{CuO}@\text{MnO}_2$ Core-shell Architectures for Asymmetric Supercapacitors. <i>Scientific Reports</i> , 2014, 4, 4518.	1.6	219
1303	Three-dimensional ultrathin $\text{Ni}(\text{OH})_2$ nanosheets grown on nickel foam for high-performance supercapacitors. <i>Nano Energy</i> , 2015, 11, 154-161.	8.2	379
1304	Synthesis of functionalized 3D porous graphene using both ionic liquid and $\text{SiO}_2$ spheres as "spacers" for high-performance application in supercapacitors. <i>Nanoscale</i> , 2015, 7, 659-669.	2.8	53
1305	High performance supercapacitor electrode materials based on porous $\text{NiCo}_2\text{O}_4$ hexagonal nanoplates/reduced graphene oxide composites. <i>Chemical Engineering Journal</i> , 2015, 262, 980-988.	6.6	143
1306	Fabrication of three-dimensional porous graphene-manganese dioxide composites as electrode materials for supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 465, 32-38.	2.3	36
1307	Synthesis of manganese oxide/activated carbon composites for supercapacitor application using a liquid phase plasma reduction system. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 754-759.	3.8	35
1308	Mesoporous $\text{NiCo}_2\text{O}_4$ nanoneedles grown on 3D graphene-nickel foam for supercapacitor and methanol electro-oxidation. <i>Electrochimica Acta</i> , 2015, 151, 99-108.	2.6	222
1309	$\text{NH}_3$ -assisted photoreduction and N-doping of graphene oxide for high performance electrode materials in supercapacitors. <i>Nanoscale</i> , 2015, 7, 2060-2068.	2.8	47
1310	Facile fabrication of GNS/ $\text{NiCoAl-LDH}$ composite as an advanced electrode material for high-performance supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 607-617.	1.2	31
1311	$\text{VO}_2$ nanoflake arrays for supercapacitor and Li-ion battery electrodes: performance enhancement by hydrogen molybdenum bronze as an efficient shell material. <i>Materials Horizons</i> , 2015, 2, 237-244.	6.4	152
1312	Polyaniline/graphene/carbon fiber ternary composites as supercapacitor electrodes. <i>Materials Letters</i> , 2015, 140, 43-47.	1.3	48
1313	Using common salt to impart pseudocapacitive functionalities to carbon nanofibers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 377-385.	5.2	50
1314	Hybrid $\text{NiCo}_2\text{S}_4@\text{MnO}_2$ heterostructures for high-performance supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1258-1264.	5.2	269
1315	Facile Synthesis of Graphene/ $\text{NiO}/\text{MoO}_3$ Composite Nanosheet Arrays for High-performance Supercapacitors. <i>Electrochimica Acta</i> , 2015, 151, 510-516.	2.6	47
1316	The development supercapacitor from activated carbon by electroless plating—A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 42, 823-834.	8.2	306

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1318	Self-Assembly of Mesoporous Nanotubes Assembled from Interwoven Ultrathin Birnessite-type MnO <sub>2</sub> Nanosheets for Asymmetric Supercapacitors. <i>Scientific Reports</i> , 2014, 4, 3878.	1.6	285
1319	Controlled Growth of NiMoO <sub>4</sub> Nanosheet and Nanorod Arrays on Various Conductive Substrates as Advanced Electrodes for Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2015, 5, 1401172.	10.2	559
1320	One-step synthesis of mesoporous MnO <sub>2</sub> /carbon sphere composites for asymmetric electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1127-1132.	5.2	61
1321	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
1322	Preparation of the cactus-like porous manganese oxide assisted with surfactant sodium dodecyl sulfate for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2015, 621, 86-92.	2.8	26
1323	Mesoporous NiCo <sub>2</sub> S <sub>4</sub> nanoparticles as high-performance electrode materials for supercapacitors. <i>Journal of Power Sources</i> , 2015, 273, 584-590.	4.0	409
1324	Design and synthesis of nanostructured graphene-SnO <sub>2</sub> -polyaniline ternary composite and their excellent supercapacitor performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 464, 17-25.	2.3	96
1325	Novel Wearable Energy Devices Based on Aligned Carbon Nanotube Fiber Textiles. <i>Advanced Energy Materials</i> , 2015, 5, 1401438.	10.2	134
1326	2D high-ordered nanoporous NiMoO <sub>4</sub> for high-performance supercapacitors. <i>Ceramics International</i> , 2015, 41, 1831-1837.	2.3	55
1327	Design and synthesis of hierarchically porous MnO <sub>2</sub> /carbon hybrids for high performance electrochemical capacitors. <i>Journal of Colloid and Interface Science</i> , 2015, 438, 61-67.	5.0	27
1328	Tailored graphene systems for unconventional applications in energy conversion and storage devices. <i>Energy and Environmental Science</i> , 2015, 8, 31-54.	15.6	232
1329	Study of Asymmetric Hybrid Supercapacitor using Carbon and Metal Oxides as Electrode Materials. <i>Indian Journal of Science and Technology</i> , 2016, 9, .	0.5	3
1330	A Study of the Electrochemical Performance of Strip Supercapacitors under Bending Conditions. <i>International Journal of Electrochemical Science</i> , 2016, , 7922-7933.	0.5	9
1331	Performance Enhancement of Carbon Nanomaterials for Supercapacitors. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-17.	1.5	54
1332	Manganese Oxide on Carbon Fabric for Flexible Supercapacitors. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-7.	1.5	2
1333	Free-Standing Porous Carbon Nanofiber Networks from Electrospinning Polyimide for Supercapacitors. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-7.	1.5	9
1334	Hierarchically structured layered-double-hydroxide@zeolitic-imidazolate-framework derivatives for high-performance electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12526-12534.	5.2	79



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1336	Highly Stretchable Supercapacitors Based on Aligned Carbon Nanotube/Molybdenum Disulfide Composites. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9191-9195.	7.2	146
1337	Designed Formation of MnO <sub>2</sub> @NiO/NiMoO <sub>4</sub> Nanowires@Nanosheets Hierarchical Structures with Enhanced Pseudocapacitive Properties. <i>ChemElectroChem</i> , 2016, 3, 1347-1353.	1.7	32
1338	Charge storage performances of micro-supercapacitor predominated by two-dimensional (2D) crystal structure. <i>Nano Energy</i> , 2016, 27, 58-67.	8.2	39
1339	Direct Growth of 3D Hierarchical Porous Ni <sub>3</sub> S <sub>2</sub> Nanostructures on Nickel Foam for High-Performance Supercapacitors. <i>ChemNanoMat</i> , 2016, 2, 719-725.	1.5	20
1340	Flexible Integrated Electrical Cables Based on Biocomposites for Synchronous Energy Transmission and Storage. <i>Advanced Functional Materials</i> , 2016, 26, 3472-3479.	7.8	72
1341	Reinforced polyaniline/polyvinyl alcohol conducting hydrogel from a freezing-thawing method as self-supported electrode for supercapacitors. <i>Journal of Materials Science</i> , 2016, 51, 8728-8736.	1.7	75
1342	Ionic conductivity and dielectric studies of acid doped cellulose acetate propionate solid electrolyte for supercapacitor. <i>Polymer Engineering and Science</i> , 2016, 56, 196-203.	1.5	10
1343	A 1.8 V Aqueous Supercapacitor with a Bipolar Assembly of Ion-Exchange Membranes as the Separator. <i>Journal of the Electrochemical Society</i> , 2016, 163, A1853-A1858.	1.3	42
1344	Facile preparation and sulfidation analysis for activated multiporous carbon@NiCo <sub>2</sub> S <sub>4</sub> nanostructure with enhanced supercapacitive properties. <i>Electrochimica Acta</i> , 2016, 211, 627-635.	2.6	69
1345	Synergistic effect of cobalt and nickel on the superior electrochemical performances of rGO anchored nickel cobalt binary sulfides. <i>Electrochimica Acta</i> , 2016, 212, 294-302.	2.6	45
1346	Ion-Image Interactions and Phase Transition at Electrolyte-Metal Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2753-2757.	2.1	26
1347	Performance of metal oxide nanoparticle sols as binders in activated carbon electrodes. <i>Journal of Energy Storage</i> , 2016, 7, 147-158.	3.9	8
1348	Hierarchical porous cobalt monoxide nanosheet@ultrathin manganese dioxide nanosheet core-shell arrays for high-performance asymmetric supercapacitor. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 13540-13548.	3.8	28
1349	Highly Stretchable Supercapacitors Based on Aligned Carbon Nanotube/Molybdenum Disulfide Composites. <i>Angewandte Chemie</i> , 2016, 128, 9337-9341.	1.6	10
1350	Preparation of 3D MnO <sub>2</sub> /Polyaniline/Graphene Hybrid Material via Interfacial Polymerization as High-Performance Supercapacitor Electrode. <i>Chinese Journal of Chemistry</i> , 2016, 34, 839-846.	2.6	15
1351	A facile route to large-scale synthesis MoO <sub>2</sub> and MoO <sub>3</sub> as electrode materials for high-performance supercapacitors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 2468-2473.	0.8	16
1352	Ultrafast Nanocrystalline TiO <sub>2</sub> (B)/Carbon Nanotube Hyperdispersion Prepared via Combined Ultracentrifugation and Hydrothermal Treatments for Hybrid Supercapacitors. <i>Advanced Materials</i> , 2016, 28, 6751-6757.	11.1	58

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1354	Synthesis and control of high-performance MnO <sub>2</sub> /carbon nanotubes nanocomposites for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2016, 688, 184-197.	2.8	80
1355	A 4 Farad high energy electrochemical double layer capacitor prototype operating at 3.2 V (IES) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	4.0	19
1356	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. <i>RSC Advances</i> , 2016, 6, 67785-67793.	1.7	25
1357	Ion Intercalation Induced Capacitance Improvement for Graphene-Based Supercapacitor Electrodes. <i>ChemNanoMat</i> , 2016, 2, 635-641.	1.5	41
1358	Capacitance Enhancement in a Semiconductor Nanostructure-Based Supercapacitor by Solar Light and a Self-Powered Supercapacitor-Photodetector System. <i>Advanced Functional Materials</i> , 2016, 26, 4481-4490.	7.8	133
1359	Effects of microwave and oxygen plasma treatments on capacitive characteristics of supercapacitor based on multiwalled carbon nanotubes. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 02BD05.	0.8	22
1360	Strontium doped lanthanum manganite/manganese dioxide composite electrode for supercapacitor with enhanced rate capability. <i>Electrochimica Acta</i> , 2016, 222, 1585-1591.	2.6	32
1361	A strong and sticky hydrogel electrolyte for flexible supercapacitors. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
1362	Effect of different nickel precursors on capacitive behavior of electrodeposited NiO thin films. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	5
1363	Enhanced energy density of a supercapacitor using 2D CoMoO <sub>4</sub> ultrathin nanosheets and asymmetric configuration. <i>Nanotechnology</i> , 2016, 27, 505401.	1.3	23
1364	High-voltage ionic liquid electrolytes based on ether functionalized pyrrolidinium for electric double-layer capacitors. <i>Electrochimica Acta</i> , 2016, 222, 1847-1852.	2.6	31
1365	Solid-state NMR Study of Ion Adsorption and Charge Storage in Graphene Film Supercapacitor Electrodes. <i>Scientific Reports</i> , 2016, 6, 39689.	1.6	17
1366	Highly compressible solid-state supercapacitor with folded paper-based electrode. , 2016, , .		0
1367	Enhanced cycling stability of NiCo <sub>2</sub> S <sub>4</sub> @NiO core-shell nanowire arrays for all-solid-state asymmetric supercapacitors. <i>Scientific Reports</i> , 2016, 6, 38620.	1.6	117
1368	An integrated nanocarbon-cellulose membrane for solid-state supercapacitors. <i>Science Bulletin</i> , 2016, 61, 368-377.	4.3	5
1369	Polyaniline nanofiber sponge filled graphene foam as high gravimetric and volumetric capacitance electrode. <i>Journal of Power Sources</i> , 2016, 317, 35-42.	4.0	49
1370	High electrochemical performance of RuO <sub>2</sub> @Fe <sub>2</sub> O <sub>3</sub> nanoparticles embedded ordered mesoporous carbon as a supercapacitor electrode material. <i>Energy</i> , 2016, 106, 103-111.	4.5	70

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1371	Anomalous or regular capacitance? The influence of pore size dispersity on double-layer formation. <i>Journal of Power Sources</i> , 2016, 326, 660-671.	4.0	115
1372	Impact of Nanosize on Supercapitance: Study of 1D Nanorods and 2D Thin-Films of Nickel Oxide. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9872-9880.	4.0	78
1373	Nickel hydroxide coated carbon nanoparticles mediated hybrid three-dimensional graphene foam assembly for supercapacitor. <i>RSC Advances</i> , 2016, 6, 36307-36313.	1.7	14
1374	Synthesis of Capsule-like Porous Hollow Nanonickel Cobalt Sulfides via Cation Exchange Based on the Kirkendall Effect for High-Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9721-9732.	4.0	134
1375	New Perspectives on the Charging Mechanisms of Supercapacitors. <i>Journal of the American Chemical Society</i> , 2016, 138, 5731-5744.	6.6	529
1376	Template-free assembling Ni nanoparticles to a 3D hierarchical structure for superior performance supercapacitors. <i>RSC Advances</i> , 2016, 6, 29519-29523.	1.7	4
1377	Core-shell N-doped active carbon fiber@graphene composites for aqueous symmetric supercapacitors with high-energy and high-power density. <i>Journal of Power Sources</i> , 2016, 317, 133-142.	4.0	79
1378	Functionalization of Petroleum Coke-Derived Carbon for Synergistically Enhanced Capacitive Performance. <i>Nanoscale Research Letters</i> , 2016, 11, 163.	3.1	31
1379	Flexible electrochemical capacitors based on polypyrrole/carbon fibers via chemical polymerization of pyrrole vapor. <i>Applied Surface Science</i> , 2016, 377, 274-282.	3.1	29
1380	Binder-free supercapacitive of ultrathin Co(OH) <sub>2</sub> nanosheets-decorated nitrogen-doped carbon nanotubes core-shell nanostructures. <i>Materials Technology</i> , 2016, 31, 521-525.	1.5	17
1381	A dual mesopore C-aerogel electrode for a high energy density supercapacitor. <i>Current Applied Physics</i> , 2016, 16, 658-664.	1.1	16
1382	Co <sub>x</sub> nanoparticles embedded in porous graphite carbon nanofibers derived from electrospun polyacrylonitrile@polypyrrole core-shell nanostructures for high-performance supercapacitors. <i>RSC Advances</i> , 2016, 6, 54693-54701.	1.7	29
1383	Sn@SnO <sub>2</sub> attached on carbon spheres as additive-free electrode for high-performance pseudocapacitor. <i>Electrochimica Acta</i> , 2016, 209, 350-359.	2.6	23
1384	Development of Candle Soot Based Carbon Nanoparticles (CNPs)/Polyaniline Electrode and Its Comparative Study with CNPs/MnO <sub>2</sub> in Supercapacitors. <i>Electrochimica Acta</i> , 2016, 210, 190-198.	2.6	25
1385	Crucial role of a nickel substrate in Co <sub>3</sub> O <sub>4</sub> pseudocapacitor directly grown on nickel and its electrochemical properties. <i>Journal of Alloys and Compounds</i> , 2016, 676, 407-413.	2.8	10
1386	Designed construction and validation of carbon-free porous MnO spheres with hybrid architecture as anodes for lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15854-15860.	1.3	16
1387	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
1388	A novel graphene based nanocomposite for application in 3D flexible micro-supercapacitors. <i>Materials Research Express</i> , 2016, 3, 065001.	0.8	11

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1389	Hybrid capacitors utilizing halogen-based redox reactions at interface between carbon positive electrode and aqueous electrolytes. <i>Journal of Power Sources</i> , 2016, 326, 580-586.	4.0	20
1390	Facile synthesis of nitrogen-doped graphene on Ni foam for high-performance supercapacitors. <i>Journal of Materials Science</i> , 2016, 51, 6348-6356.	1.7	31
1391	Facile synthesis of nickel doped walnut-like MnO <sub>2</sub> nanoflowers and their application in supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6202-6207.	1.1	12
1392	Nanostructured Polypyrrole as a flexible electrode material of supercapacitor. <i>Nano Energy</i> , 2016, 22, 422-438.	8.2	629
1393	Synthesis of N-Doped Hollow-Structured Mesoporous Carbon Nanospheres for High-Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 7194-7204.	4.0	190
1394	Hierarchical NiO@In <sub>2</sub> O <sub>3</sub> microflower (3D)/ nanorod (1D) hetero-architecture as a supercapattery electrode with excellent cyclic stability. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4820-4830.	5.2	102
1395	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
1396	Nitrogen-doped carbon nanosheets for high-performance liquid as well as solid state supercapacitor cells. <i>RSC Advances</i> , 2016, 6, 35014-35023.	1.7	17
1397	Facile synthesis of a metal-organic framework-derived Mn <sub>2</sub> O <sub>3</sub> nanowire coated three-dimensional graphene network for high-performance free-standing supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8283-8290.	5.2	167
1398	Multi-scale modelling of supercapacitors: From molecular simulations to a transmission line model. <i>Journal of Power Sources</i> , 2016, 326, 680-685.	4.0	62
1399	Three-dimensional hierarchical interwoven nitrogen-doped carbon nanotubes/CoxNi1-x-layered double hydroxides ultrathin nanosheets for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2016, 203, 21-29.	2.6	63
1400	Enhanced electrochemical supercapacitance of binder-free nanoporous ternary metal oxides/metal electrode. <i>Journal of Colloid and Interface Science</i> , 2016, 474, 18-24.	5.0	22
1401	Microwave-assisted synthesis of porous nickel cobaltite with different morphologies in ionic liquid and their application in supercapacitors. <i>Materials Chemistry and Physics</i> , 2016, 176, 6-11.	2.0	23
1402	Nickel-based pillared MOFs for high-performance supercapacitors: Design, synthesis and stability study. <i>Nano Energy</i> , 2016, 26, 66-73.	8.2	330
1403	Nitrogen-doped carbonized cotton for highly flexible supercapacitors. <i>Carbon</i> , 2016, 105, 260-267.	5.4	108
1404	Electrochemical activation of carbon cloth in aqueous inorganic salt solution for superior capacitive performance. <i>Nanoscale</i> , 2016, 8, 10406-10414.	2.8	82
1405	Pore size-controlled carbon aerogels for EDLC electrodes in organic electrolytes. <i>Current Applied Physics</i> , 2016, 16, 665-672.	1.1	40
1406	Sustainable AC/AC hybrid electrochemical capacitors in aqueous electrolyte approaching the performance of organic systems. <i>Journal of Power Sources</i> , 2016, 326, 652-659.	4.0	48

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1407	Engineering electrochemical capacitor applications. <i>Journal of Power Sources</i> , 2016, 326, 726-735.	4.0	109
1408	A new strategy to prepare N-doped holey graphene for high-volumetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9739-9743.	5.2	96
1409	Fast pseudocapacitive reactions of three-dimensional manganese dioxide structures synthesized via self-limited redox deposition on microwave-expanded graphite oxide. <i>RSC Advances</i> , 2016, 6, 8330-8335.	1.7	2
1410	Room temperature performance of 4V aqueous hybrid supercapacitor using multi-layered lithium-doped carbon negative electrode. <i>Journal of Power Sources</i> , 2016, 326, 711-716.	4.0	16
1411	Preparation of high specific surface area composite carbon cryogels from self-assembly of graphene oxide and resorcinol monomers for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1793-1802.	1.2	8
1412	Boron doped ZnO embedded into reduced graphene oxide for electrochemical supercapacitors. <i>Applied Surface Science</i> , 2016, 378, 368-374.	3.1	39
1413	Carbon quantum dots/Ni-Al layered double hydroxide composite for high-performance supercapacitors. <i>RSC Advances</i> , 2016, 6, 39317-39322.	1.7	55
1414	Vanadium nitride supercapacitors: Effect of Processing Parameters on electrochemical charge storage behavior. <i>Electrochimica Acta</i> , 2016, 207, 37-47.	2.6	62
1415	High voltage AC/AC electrochemical capacitor operating at low temperature in salt aqueous electrolyte. <i>Journal of Power Sources</i> , 2016, 318, 235-241.	4.0	62
1416	Metal-organic-framework-derived ZnO@NiCo <sub>2</sub> O <sub>4</sub> core-shell structures as an advanced electrode for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8233-8241.	5.2	94
1417	NiCo <sub>2</sub> O <sub>4</sub> @MnMoO <sub>4</sub> core-shell flowers for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8249-8254.	5.2	105
1418	In situ hydrothermal fabrication of a MnO <sub>2</sub> @CoMoO <sub>4</sub> @Ni nanohybrid electrode and ultrahigh energy density of ASCs. <i>RSC Advances</i> , 2016, 6, 46508-46515.	1.7	9
1419	Polycrystalline iron oxide nanoparticles prepared by C-dot-mediated aggregation and reduction for supercapacitor application. <i>RSC Advances</i> , 2016, 6, 45023-45030.	1.7	16
1420	Rational synthesis of hybrid NiCo <sub>2</sub> S <sub>4</sub> @MnO <sub>2</sub> heterostructures for supercapacitor electrodes. <i>Ceramics International</i> , 2016, 42, 8909-8914.	2.3	43
1421	Solution Blown Silicon Carbide Porous Nanofiber Membrane as Electrode Materials for Supercapacitors. <i>Electrochimica Acta</i> , 2016, 207, 257-265.	2.6	39
1422	Composition controlled nickel cobalt sulfide core-shell structures as high capacity and good rate-capability electrodes for hybrid supercapacitors. <i>RSC Advances</i> , 2016, 6, 50209-50216.	1.7	32
1423	A novel supercapacitor electrolyte of spiro-(1,1')-bipyrolidinium tetrafluoroborate in acetonitrile/dibutyl carbonate mixed solvents for ultra-low temperature applications. <i>Electrochimica Acta</i> , 2016, 200, 106-114.	2.6	41
1424	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. <i>Electrochimica Acta</i> , 2016, 206, 317-327.	2.6	22

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1426	Graphene-based nitrogen-doped carbon sandwich nanosheets: a new capacitive process controlled anode material for high-performance sodium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 8630-8635.	5.2	170
1427	Electrodeposition of three dimensional-porous Ni/Ni(OH) <sub>2</sub> hierarchical nano composite via etching the Ni/Zn/Ni(OH) <sub>2</sub> precursor as a high performance pseudocapacitor. Chemical Engineering Journal, 2016, 299, 282-291.	6.6	33
1428	Excellent Electrochemical Performance Hierarchical Co <sub>3</sub> O <sub>4</sub> @Ni <sub>3</sub> S <sub>2</sub> core/shell nanowire arrays for Asymmetric Supercapacitors. Electrochimica Acta, 2016, 207, 87-96.	2.6	85
1429	Nonstoichiometry-Induced Enhancement of Electrochemical Capacitance in Anodic TiO <sub>2</sub> Nanotubes with Controlled Pore Diameter. Journal of Physical Chemistry C, 2016, 120, 9569-9580.	1.5	25
1430	Carbon Dot-Mediated Synthesis of Manganese Oxide Decorated Graphene Nanosheets for Supercapacitor Application. ACS Sustainable Chemistry and Engineering, 2016, 4, 3008-3016.	3.2	104
1431	Facile synthesis of 3D Cu <sub>2</sub> O@Cu nanostructures as binder-free electrode for supercapacitors. Chemical Physics Letters, 2016, 652, 172-176.	1.2	13
1432	Functionalization of chemically derived graphene for improving its electrocapacitive energy storage properties. Energy and Environmental Science, 2016, 9, 1891-1930.	15.6	205
1433	Amorphous CoMoS <sub>4</sub> for a valuable energy storage material candidate. Chemical Engineering Journal, 2016, 301, 266-275.	6.6	94
1434	High performance of Mn <sub>3</sub> O <sub>4</sub> cubes for supercapacitor applications. Materials Letters, 2016, 178, 171-174.	1.3	51
1435	Self-assembled reduced graphene hydrogels by facile chemical reduction using acetaldehyde oxime for electrode materials in supercapacitors. RSC Advances, 2016, 6, 48276-48282.	1.7	7
1436	Hierarchically Layered MoS <sub>2</sub> /Mn <sub>3</sub> O <sub>4</sub> Hybrid Architectures for Electrochemical Supercapacitors with Enhanced Performance. Electrochimica Acta, 2016, 209, 389-398.	2.6	68
1437	Simple synthesis of porous carbon materials for high-performance supercapacitors. Journal of Applied Electrochemistry, 2016, 46, 703-712.	1.5	19
1438	Ethanol reduced molybdenum trioxide for Li-ion capacitors. Nano Energy, 2016, 26, 100-107.	8.2	74
1439	In situ growth of binder-free CNTs@NiCoS nanosheets core/shell hybrids on Ni mesh for high energy density asymmetric supercapacitors. Journal of Materials Chemistry A, 2016, 4, 8888-8897.	5.2	118
1440	Enhanced Electrochemical Performance of Ultracentrifugation-Derived nc-Li <sub>3</sub> VO <sub>4</sub> /MWCNT Composites for Hybrid Supercapacitors. ACS Nano, 2016, 10, 5398-5404.	7.3	78
1441	Ultrathin porous NiO nanoflake arrays on nickel foam as an advanced electrode for high performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2016, 4, 9113-9123.	5.2	120
1442	Activated hierarchical porous carbon as electrode membrane accommodated with triblock copolymer for supercapacitors. Journal of Membrane Science, 2016, 514, 366-375.	4.1	41



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1444	Flexible two-ply yarn supercapacitors based on carbon nanotube/stainless steel core spun yarns decorated with Co <sub>3</sub> O <sub>4</sub> nanoparticles and MnO <sub>x</sub> composites. <i>Electrochimica Acta</i> , 2016, 215, 535-542.	2.6	22
1445	Hierarchical Ni <sub>0.54</sub> Co <sub>0.46</sub> O <sub>2</sub> nanowire and nanosheet arrays grown on carbon fiber cloth for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2016, 329, 473-483.	4.0	55
1446	Porous carbon nanosheets derived from Al-based MOFs for supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2016, 236, 94-99.	2.2	43
1447	Preparation of High-Performance Internal Tandem Electric Double-Layer Capacitors (IT-EDLCs) from Melt-Spun Lignin Fibers. <i>Journal of Wood Chemistry and Technology</i> , 2016, 36, 418-431.	0.9	9
1448	Facile and Scalable Ultra-fine Cobalt Oxide/Reduced Graphene Oxide Nanocomposites for High Energy Asymmetric Supercapacitors. <i>ChemistrySelect</i> , 2016, 1, 3455-3467.	0.7	58
1449	Performance of High Energy Density Symmetric Supercapacitor Based on Sputtered MnO <sub>2</sub> Nanorods. <i>ChemistrySelect</i> , 2016, 1, 3885-3891.	0.7	57
1450	Hierarchical chestnut-like MnCo <sub>2</sub> O <sub>4</sub> nanoneedles grown on nickel foam as binder-free electrode for high energy density asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2016, 330, 195-203.	4.0	157
1451	Electrochemical performances of asymmetric super capacitor fabricated by one-dimensional CoMoO <sub>4</sub> nanostructure. <i>Chemical Physics Letters</i> , 2016, 664, 23-28.	1.2	24
1452	Phase behaviour and structure of a superionic liquid in nonpolarized nanoconfinement. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 464007.	0.7	18
1453	Nanofoaming to Boost the Electrochemical Performance of Ni@Ni(OH) <sub>2</sub> Nanowires for Ultrahigh Volumetric Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 27868-27876.	4.0	82
1454	Application of Nanoparticles. , 2016, , 163-193.		5
1455	Surface modified catalytically grown carbon nanofibers/MnO <sub>2</sub> composites for use in supercapacitor. <i>Thin Solid Films</i> , 2016, 620, 54-63.	0.8	23
1456	High performance, flexible, poly(3,4-ethylenedioxythiophene) supercapacitors achieved by doping redox mediators in organogel electrolytes. <i>Journal of Power Sources</i> , 2016, 332, 413-419.	4.0	35
1457	A binder free synthesis of 1D PANI and 2D MoS <sub>2</sub> nanostructured hybrid composite electrodes by the electrophoretic deposition (EPD) method for supercapacitor application. <i>RSC Advances</i> , 2016, 6, 101592-101601.	1.7	57
1458	One-step hydrothermal preparation of TiO <sub>2</sub> /RGO/Ni(OH) <sub>2</sub> /NF electrode with high performance for supercapacitors. <i>Electrochimica Acta</i> , 2016, 218, 216-227.	2.6	51
1459	Buffering agents-assisted synthesis of nitrogen-doped graphene with oxygen-rich functional groups for enhanced electrochemical performance. <i>Journal of Power Sources</i> , 2016, 333, 125-133.	4.0	31
1460	High-performance MgCo <sub>2</sub> O <sub>4</sub> nanocone arrays grown on three-dimensional nickel foams: Preparation and application as binder-free electrode for pseudo-supercapacitor. <i>Journal of Power Sources</i> , 2016, 333, 118-124.	4.0	94

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1462	ZnO@MnO <sub>2</sub> Core-Shell Nanofiber Cathodes for High Performance Asymmetric Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 30531-30542.	4.0	130
1463	The Origin of Improved Electrical Double-Layer Capacitance by Inclusion of Topological Defects and Dopants in Graphene for Supercapacitors. <i>Angewandte Chemie</i> , 2016, 128, 14026-14031.	1.6	13
1464	Heteroatom-Doped Porous Carbon Nanosheets: General Preparation and Enhanced Capacitive Properties. <i>Chemistry - A European Journal</i> , 2016, 22, 16668-16674.	1.7	17
1465	Proportion of composition in a composite does matter for advanced supercapacitor behavior. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17440-17454.	5.2	26
1466	Highly Ordered Hierarchical Mesoporous MnCo <sub>2</sub> O <sub>4</sub> with Cubic $I\bar{4}3d$ Symmetry for Electrochemical Energy Storage. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23976-23983.	1.5	34
1467	Phase-Separated Polyaniline/Graphene Composite Electrodes for High-Rate Electrochemical Supercapacitors. <i>Advanced Materials</i> , 2016, 28, 10211-10216.	11.1	130
1468	Efficient storage mechanisms for building better supercapacitors. <i>Nature Energy</i> , 2016, 1, .	19.8	1,655
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1470	3D Porous Hierarchical Microspheres of Activated Carbon from Nature through Nanotechnology for Electrochemical Double-Layer Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6463-6472.	3.2	51
1471	Assembly of porous NiO nanowires on carbon cloth as a flexible electrode for high-performance supercapacitors. <i>RSC Advances</i> , 2016, 6, 74874-74877.	1.7	19
1472	A Binder-Free Hybrid of CuO-Microspheres and rGO Nanosheets as an Alternative Material for Next Generation Energy Storage Application. <i>ChemistrySelect</i> , 2016, 1, 2826-2833.	0.7	28
1473	Nanowire-Enabled Energy Storage. <i>Nanoscience and Technology</i> , 2016, , 203-225.	1.5	0
1474	Facile synthesis of porous SnO <sub>2</sub> film grown on Ni foam applied for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2016, 689, 587-592.	2.8	35
1475	A flexible and high-performance all-solid-state supercapacitor device based on Ni <sub>3</sub> S <sub>2</sub> nanosheets coated ITO nanowire arrays on carbon fabrics. <i>RSC Advances</i> , 2016, 6, 75186-75193.	1.7	29
1476	Tungsten addenda mixed heteropolymolybdates supported on functionalized graphene for high-performance aqueous supercapacitors. <i>RSC Advances</i> , 2016, 6, 81085-81091.	1.7	36
1477	Fabrication of porous double-urchin-like MgCo <sub>2</sub> O <sub>4</sub> hierarchical architectures for high-rate supercapacitors. <i>Journal of Alloys and Compounds</i> , 2016, 688, 933-938.	2.8	54
1478	Highly Flexible, Freestanding Supercapacitor Electrode with Enhanced Performance Obtained by Hybridizing Polypyrrole Chains with MXene. <i>Advanced Energy Materials</i> , 2016, 6, 1600969.	10.2	580

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1480	Highly microporous carbons derived from a complex of glutamic acid and zinc chloride for use in supercapacitors. <i>Journal of Power Sources</i> , 2016, 327, 535-542.	4.0	32
1481	Gravimetric and dynamic deconvolution of global EQCM response of carbon nanotube based electrodes by Ac-electrogravimetry. <i>Electrochemistry Communications</i> , 2016, 70, 73-77.	2.3	40
1482	Bridging of Ultrathin NiCo <sub>2</sub> O <sub>4</sub> Nanosheets and Graphene with Polyaniline: A Theoretical and Experimental Study. <i>Chemistry of Materials</i> , 2016, 28, 5855-5863.	3.2	116
1483	Bridging the performance gap between electric double-layer capacitors and batteries with high-energy/high-power carbon nanotube-based electrodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14586-14594.	5.2	44
1484	Free standing hollow carbon nanofiber mats for supercapacitor electrodes. <i>RSC Advances</i> , 2016, 6, 78528-78537.	1.7	32
1485	Inherent N,O-containing carbon frameworks as electrode materials for high-performance supercapacitors. <i>Nanoscale</i> , 2016, 8, 16323-16331.	2.8	49
1486	High-energy Li-ion hybrid supercapacitor enabled by a long life N-rich carbon based anode. <i>Electrochimica Acta</i> , 2016, 213, 626-632.	2.6	37
1487	Mesoporous graphitic carbon microtubes derived from fullerene C <sub>70</sub> tubes as a high performance electrode material for advanced supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13899-13906.	5.2	81
1488	Perovskite SrCo <sub>0.9</sub> Nb <sub>0.1</sub> O <sub>3</sub> as an Anion-Intercalated Electrode Material for Supercapacitors with Ultrahigh Volumetric Energy Density. <i>Angewandte Chemie</i> , 2016, 128, 9728-9731.	1.6	48
1489	Highly compression-tolerant folded carbon nanotube/paper as solid-state supercapacitor electrode. <i>Micro and Nano Letters</i> , 2016, 11, 586-590.	0.6	12
1490	Comparative Study of Individual and Mixed Aqueous Electrolytes with ZnFe <sub>2</sub> O <sub>4</sub> Nano-flakes Thin Film as an Electrode for Supercapacitor Application. <i>ChemistrySelect</i> , 2016, 1, 959-966.	0.7	32
1491	Carbon supported Co <sub>9</sub> S <sub>8</sub> hollow spheres assembled from ultrathin nanosheets for high-performance supercapacitors. <i>Materials Letters</i> , 2016, 183, 290-295.	1.3	24
1492	Construction of hierarchical NiMoO <sub>4</sub> @MnO <sub>2</sub> nanosheet arrays on titanium mesh for supercapacitor electrodes. <i>Ceramics International</i> , 2016, 42, 18058-18063.	2.3	36
1493	Facile synthesis of Cu <sub>3</sub> Mo <sub>2</sub> O <sub>9</sub> @Ni foam nano-structures for high-performance supercapacitors. <i>Materials Technology</i> , 2016, 31, 653-657.	1.5	14
1494	Synthetic methods and electrochemical applications for transition metal phosphide nanomaterials. <i>RSC Advances</i> , 2016, 6, 87188-87212.	1.7	58
1495	Electrochemical capacitors: mechanism, materials, systems, characterization and applications. <i>Chemical Society Reviews</i> , 2016, 45, 5925-5950.	18.7	2,969
1496	2D materials for renewable energy storage devices: Outlook and challenges. <i>Chemical Communications</i> , 2016, 52, 13528-13542.	2.2	96

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1498	Self-supporting hierarchical rGO@Ni nanosheet@Co <sub>3</sub> O <sub>4</sub> nanowire array and its application in high-rate batteries. <i>Journal of Power Sources</i> , 2016, 327, 281-288.	4.0	10
1499	Electrochemical behavior of high performance on-chip porous carbon films for micro-supercapacitors applications in organic electrolytes. <i>Journal of Power Sources</i> , 2016, 328, 520-526.	4.0	35
1500	Thermostable gel polymer electrolyte based on succinonitrile and ionic liquid for high-performance solid-state supercapacitors. <i>Journal of Power Sources</i> , 2016, 328, 510-519.	4.0	123
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1502	Effects of activation temperature on the deoxygenation, specific surface area and supercapacitor performance of graphene. <i>Carbon</i> , 2016, 109, 558-565.	5.4	40
1503	New Approach for High-Voltage Electrical Double-Layer Capacitors Using Vertical Graphene Nanowalls with and without Nitrogen Doping. <i>Nano Letters</i> , 2016, 16, 5719-5727.	4.5	108
1504	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. <i>NPG Asia Materials</i> , 2016, 8, e300-e300.	3.8	80
1505	Solid Fullerenes under Compression. , 2016, , 195-208.		5
1506	Potentiostatic deposition of CoNi <sub>2</sub> S <sub>4</sub> nanosheet arrays on nickel foam: effect of deposition time on the morphology and pseudocapacitive performance. <i>Journal of Materials Science</i> , 2016, 51, 10641-10651.	1.7	30
1507	Facile synthesis of self-supported Ni <sub>2</sub> P nanosheet@Ni sponge composite for high-rate battery. <i>Journal of Power Sources</i> , 2016, 328, 405-412.	4.0	25
1508	Integrated self-charging power unit with flexible supercapacitor and triboelectric nanogenerator. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14298-14306.	5.2	117
1509	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
1510	Asymmetric Supercapacitor Based on Nanostructured Ce-doped NiO (Ce:NiO) as Positive and Reduced Graphene Oxide (rGO) as Negative Electrode. <i>ChemistrySelect</i> , 2016, 1, 3471-3478.	0.7	44
1511	One-step fabrication of electrochemically reduced graphene oxide/nickel oxide composite for binder-free supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 17496-17505.	3.8	55
1512	In Situ Growth of Free-Standing All Metal Oxide Asymmetric Supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 26019-26029.	4.0	80
1513	Recent Developments in Design and Fabrication of Graphene-Based Interdigital Micro-Supercapacitors for Miniaturized Energy Storage Devices. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2016, 6, 1752-1765.	1.4	21
1514	Sugarcane molasses as a pseudocapacitive material for supercapacitors. <i>RSC Advances</i> , 2016, 6, 88826-88836.	1.7	18

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1516	Superior Cycle Stability Performance of Quasi-Cuboidal $\text{CoV}_2\text{O}_6$ Microstructures as Electrode Material for Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 27291-27297.	4.0	79
1517	Facile preparation of novel dandelion-like Fe-doped $\text{NiCo}_2\text{O}_4$ microspheres@nanomeshes for excellent capacitive property in asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2016, 327, 135-144.	4.0	73
1518	Transition Metal Carbides and Nitrides in Energy Storage and Conversion. <i>Advanced Science</i> , 2016, 3, 1500286.	5.6	1,001
1519	Nylon 6,6/Polyaniline Based Sheath Nanofibers for High-Performance Supercapacitors. <i>Electrochimica Acta</i> , 2016, 213, 124-131.	2.6	30
1520	Rate capability improvement of polypyrrole via integration with functionalized commercial carbon cloth for pseudocapacitor. <i>Journal of Power Sources</i> , 2016, 324, 788-797.	4.0	72
1521	Review on $\text{Fe}_2\text{O}_3$ based negative electrode for high performance supercapacitors. <i>Journal of Power Sources</i> , 2016, 327, 297-318.	4.0	293
1522	Flower-Like Nickel-Cobalt Oxide Decorated Dopamine-Derived Carbon Nanocomposite for High Performance Supercapacitor Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5013-5020.	3.2	90
1523	Perovskite $\text{SrCo}_{0.9}\text{Nb}_{0.1}\text{O}_{3\lambda}$ as an Anion-Intercalated Electrode Material for Supercapacitors with Ultrahigh Volumetric Energy Density. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9576-9579.	7.2	87
1524	Synthesis of 3D flower-like $\text{Co}_3\text{O}_4$ /Polypyrrole nanosheet networks electrode for high performance supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 646-653.	2.3	28
1525	High-Performance Supercapacitor Electrode Based on Cobalt Oxide-Manganese Dioxide-Nickel Oxide Ternary 1D Hybrid Nanotubes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 20786-20792.	4.0	188
1526	$\text{Ni}_{0.9}\text{Co}_{1.92}\text{Se}_4$ nanostructures: binder-free electrode of coral-like bimetallic selenide for supercapacitors. <i>RSC Advances</i> , 2016, 6, 75251-75257.	1.7	82
1527	A $\text{Ni}_x\text{Zn}_x\text{S}$ /Ni foam composite electrode with multi-layers: one-step synthesis and high supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12929-12939.	5.2	52
1528	Membrane Separators for Electrochemical Energy Storage Technologies. <i>Nanostructure Science and Technology</i> , 2016, , 417-462.	0.1	1
1529	Hierarchical copper/nickel-based manganese dioxide core-shell nanostructure for supercapacitor electrodes. <i>Electrochimica Acta</i> , 2016, 212, 671-677.	2.6	33
1530	A Novel Sustainable Flour Derived Hierarchical Nitrogen-Doped Porous Carbon/Polyaniline Electrode for Advanced Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2016, 6, 1601111.	10.2	303
1531	Electrospun $\text{ZnFe}_2\text{O}_4$ -based nanofiber composites with enhanced supercapacitive properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 211, 141-148.	1.7	44
1532	Two-dimensional cobalt-manganese binary metal oxide porous nanosheets for high-performance supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 3473-3480.	1.2	4

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1534	Asymmetric Behavior of Positive and Negative Electrodes in Carbon/Carbon Supercapacitors and Its Underlying Mechanism. Journal of Physical Chemistry C, 2016, 120, 24675-24681.	1.5	38
1535	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. Journal of Materials Chemistry A, 2016, 4, 17171-17179.	5.2	74
1536	MnO <sub>2</sub> /PVP/MWCNT hybrid nano composites as electrode materials for high performance supercapacitor. Materials Research Express, 2016, 3, 105503.	0.8	7
1537	Insights into the effects of solvent properties in graphene based electric double-layer capacitors with organic electrolytes. Journal of Power Sources, 2016, 334, 162-169.	4.0	38
1538	Facile fabrication of Co <sub>2</sub> Cu <sub>4</sub> nanoparticle anchored N-doped graphene for high-performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2016, 4, 17560-17571.	5.2	147
1539	Superstructure ZrV <sub>2</sub> O <sub>7</sub> nanofibres: thermal expansion, electronic and lithium storage properties. Physical Chemistry Chemical Physics, 2016, 18, 32160-32168.	1.3	8
1540	Facile synthesis of carbon sphere@Ni(OH) <sub>2</sub> and derivatives for high-performance supercapacitors. Functional Materials Letters, 2016, 09, 1642002.	0.7	28
1541	Large areal mass, flexible and freestanding polyaniline/bacterial cellulose/graphene film for high-performance supercapacitors. RSC Advances, 2016, 6, 107426-107432.	1.7	34
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1543	Size and Structural Effect of Crumpled Graphene Balls on the Electrochemical Properties for Supercapacitor Application. Electrochimica Acta, 2016, 222, 58-63.	2.6	30
1544	Soybean Root-Derived Hierarchical Porous Carbon as Electrode Material for High-Performance Supercapacitors in Ionic Liquids. ACS Applied Materials & Interfaces, 2016, 8, 33626-33634.	4.0	222
1545	Effect of thickness on the capacitive behavior and stability of ultrathin polyaniline for high speed super capacitors. Russian Journal of Electrochemistry, 2016, 52, 933-937.	0.3	16
1546	Electrochemical performance of a superporous activated carbon in ionic liquid-based electrolytes. Journal of Power Sources, 2016, 336, 419-426.	4.0	31
1547	High-Capacitance Mechanism for Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene by <i>in Situ</i> Electrochemical Raman Spectroscopy Investigation. ACS Nano, 2016, 10, 11344-11350.	7.3	455
1548	Three-dimensional porous polyaniline/graphene-coated activated carbon fiber electrodes for supercapacitors. RSC Advances, 2016, 6, 111465-111471.	1.7	17
1549	Nanocarbon Hybrid Materials. , 2016, , 625-646.		0
1550	Advanced Materials for Supercapacitors. , 2016, , 99-128.		0



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1552	Nanoarchitected Nb <sub>2</sub> O <sub>5</sub> hollow, Nb <sub>2</sub> O <sub>5</sub> @carbon and NbO <sub>2</sub> @carbon Core-Shell Microspheres for Ultrahigh-Rate Intercalation Pseudocapacitors. Scientific Reports, 2016, 6, 21177.	1.6	123
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1554	Preparation of Nickel Cobalt Sulfide Hollow Nanocolloids with Enhanced Electrochemical Property for Supercapacitors Application. Scientific Reports, 2016, 6, 25151.	1.6	47
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1573	PolyHIPE Derived Freestanding 3D Carbon Foam for Cobalt Hydroxide Nanorods Based High Performance Supercapacitor. <i>Scientific Reports</i> , 2016, 6, 35490.	1.6	67
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1575	Nanostructured carbon@Ni(OH) <sub>2</sub> composites. <i>Russian Chemical Bulletin</i> , 2016, 65, 120-124.	0.4	2
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1619	Hierarchical porous nitrogen doping activated carbon with high performance for supercapacitor electrodes. <i>RSC Advances</i> , 2016, 6, 15320-15326.	1.7	21
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1635	Preparation of Y-doped ZrO <sub>2</sub> coatings on MnO <sub>2</sub> electrodes and their effect on electrochemical performance for MnO <sub>2</sub> electrochemical supercapacitors. <i>RSC Advances</i> , 2016, 6, 1750-1759.	1.7	19
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1637	Understanding electrochemical potentials of cathode materials in rechargeable batteries. <i>Materials Today</i> , 2016, 19, 109-123.	8.3	811
1638	Hierarchical structures composed of MnCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> core-shell nanowire arrays with enhanced supercapacitor properties. <i>Dalton Transactions</i> , 2016, 45, 572-578.	1.6	88
1639	Facile hydrothermal synthesis of NiS hollow microspheres with mesoporous shells for high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2016, 40, 1663-1670.	1.4	31
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1642	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
1643	One-step synthesis of hierarchically porous carbons for high-performance electric double layer supercapacitors. <i>Journal of Power Sources</i> , 2016, 315, 120-126.	4.0	118
1644	An integrated nanocarbon-cellulose membrane for solid-state supercapacitors. <i>Science Bulletin</i> , 2016, 61, 368-377.	4.3	4
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1665	Preparation of three-dimensional nitrogen-doped graphene layers by gas foaming method and its electrochemical capacitive behavior. <i>Electrochimica Acta</i> , 2016, 193, 293-301.	2.6	15
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1692	Tuning electromechanics of dynamic ripple pattern in graphene monolayer. Carbon, 2016, 98, 510-518.	5.4	10
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1717	Facile synthesis of Cu <sub>2</sub> O microstructures and their morphology dependent electrochemical supercapacitor properties. <i>RSC Advances</i> , 2016, 6, 3815-3822.	1.7	92
1718	Honeycomb-like NiCo <sub>2</sub> O <sub>4</sub> films assembled from interconnected porous nanoflakes for supercapacitor. <i>Materials Chemistry and Physics</i> , 2016, 171, 208-215.	2.0	17
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1723	Mass production of graphene nanoscrolls and their application in high rate performance supercapacitors. <i>Nanoscale</i> , 2016, 8, 1413-1420.	2.8	57
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1725	Hypergrafted nano-silica modified polymer gel electrolyte for high-performance solid-state supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1903-1911.	1.2	11
1726	MnO <sub>2</sub> nanomaterials for flexible supercapacitors: performance enhancement via intrinsic and extrinsic modification. <i>Nanoscale Horizons</i> , 2016, 1, 109-124.	4.1	82
1727	Low-cost, green synthesis of highly porous carbons derived from lotus root shell as superior performance electrode materials in supercapacitor. <i>Journal of Energy Chemistry</i> , 2016, 25, 26-34.	7.1	50
1728	Hierarchical architectures of Co <sub>3</sub> O <sub>4</sub> ultrafine nanowires grown on Co <sub>3</sub> O <sub>4</sub> nanowires with fascinating electrochemical performance. <i>New Journal of Chemistry</i> , 2016, 40, 377-384.	1.4	7
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1733	Preparation of Porous Graphene-Based Nanomaterials for Electrochemical Energy Storage Devices. <i>KAIST Research Series</i> , 2016, , 229-252.	1.5	0
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1736	Flexible Asymmetric Supercapacitors Based on Nitrogen-Doped Graphene Hydrogels with Embedded Nickel Hydroxide Nanoplates. <i>ChemSusChem</i> , 2017, 10, 2301-2308.	3.6	37
1737	One step synthesis of Ni/Ni(OH) <sub>2</sub> nano sheets (NSs) and their application in asymmetric supercapacitors. <i>RSC Advances</i> , 2017, 7, 5898-5911.	1.7	139
1738	A phytic acid etched Ni/Fe nanostructure based flexible network as a high-performance wearable hybrid energy storage device. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3274-3283.	5.2	48
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1744	A study on optimal pore development of modified commercial activated carbons for electrode materials of supercapacitors. <i>Applied Surface Science</i> , 2017, 415, 61-66.	3.1	32
1745	Facile ultrasound assisted synthesis of monodisperse spherical CuMn(OH) <sub>3</sub> NO <sub>3</sub> nanoparticles for energy storage applications. <i>Journal of Alloys and Compounds</i> , 2017, 699, 745-750.	2.8	13
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1754	Materials Design and System Construction for Conventional and New-Concept Supercapacitors. <i>Advanced Science</i> , 2017, 4, 1600382.	5.6	365
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1758	A transparent solid-state ion gel for supercapacitor device applications. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1431-1444.	1.2	13
1759	A high-power lithium-ion hybrid electrochemical capacitor based on citrate-derived electrodes. <i>Electrochimica Acta</i> , 2017, 228, 76-81.	2.6	49
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1762	A Ni/Zn bi-metallic coordination supramolecular network applied for high performance energy storage material. <i>Electrochimica Acta</i> , 2017, 228, 233-240.	2.6	15
1763	Synthesis of nickel chalcogenide hollow spheres using an L-cysteine-assisted hydrothermal process for efficient supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3621-3627.	5.2	99
1764	One-step microwave synthesis of pure and Mn doped WO <sub>3</sub> nanoparticles and its structural, optical and electrochemical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6635-6642.	1.1	35
1765	Ultrathin manganese dioxide nanosheets grown on partially unzipped nitrogen-doped carbon nanotubes for high-performance asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 702, 236-243.	2.8	38
1766	A report on 1D MgCo <sub>2</sub> O <sub>4</sub> with enhanced structural, morphological and electrochemical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6880-6888.	1.1	29



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1786	Flexible Graphene-Based Composite Films for Supercapacitors with Tunable Areal Capacitance. <i>Electrochimica Acta</i> , 2017, 235, 233-241.	2.6	18
1787	A robust free-standing MoS <sub>2</sub> /poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) film for supercapacitor applications. <i>Electrochimica Acta</i> , 2017, 235, 348-355.	2.6	84
1788	Synthesis of nitrogen-doped porous carbon from zeolitic imidazolate framework-67 and phenolic resin for high performance supercapacitors. <i>Ceramics International</i> , 2017, 43, 6502-6510.	2.3	49
1789	Flexible micro-supercapacitors prepared using direct-write nanofibers. <i>RSC Advances</i> , 2017, 7, 11724-11731.	1.7	26
1790	Asymmetric Supercapacitor Electrodes and Devices. <i>Advanced Materials</i> , 2017, 29, 1605336.	11.1	1,021
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1793	Synthesis of sandwich-like vanadium pentoxide/carbon nanotubes composites for high performance supercapacitor electrodes. <i>Journal of Alloys and Compounds</i> , 2017, 708, 134-140.	2.8	27
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1797	Promising biomass-derived hierarchical porous carbon material for high performance supercapacitor. <i>RSC Advances</i> , 2017, 7, 10385-10390.	1.7	46
1798	Hierarchical walnut-like Ni <sub>0.5</sub> Co <sub>0.5</sub> O hollow nanospheres comprising ultra-thin nanosheets for advanced energy storage devices. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5781-5790.	5.2	23
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1801	Redox enhanced energy storage in an aqueous high-voltage electrochemical capacitor with a potassium bromide electrolyte. <i>Journal of Power Sources</i> , 2017, 348, 219-228.	4.0	43
1802	Controllable Synthesis of NiCo LDH Nanosheets for Fabrication of High-Performance Supercapacitor Electrodes. <i>Electroanalysis</i> , 2017, 29, 1286-1293.	1.5	95

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1804	Amorphous vanadyl phosphate/graphene composites for high performance supercapacitor electrode. Journal of Power Sources, 2017, 344, 185-194.	4.0	38
1805	Template-free single pot synthesis of SnS <sub>2</sub> @Cu <sub>2</sub> O/reduced graphene oxide (rGO) nanoflowers for high performance supercapacitors. New Journal of Chemistry, 2017, 41, 2702-2716.	1.4	46
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1811	A Sustainable Bioeconomy. , 2017, , .		31
1812	Nanostructured mixed transition metal oxides for high performance asymmetric supercapacitors: Facile synthetic strategy. International Journal of Hydrogen Energy, 2017, 42, 12384-12395.	3.8	110
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1814	Two-dimensional CoNi nanoparticles@S,N-doped carbon composites derived from S,N-containing Co/Ni MOFs for high performance supercapacitors. Journal of Materials Chemistry A, 2017, 5, 9873-9881.	5.2	75
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1816	Highly exposed nickel cobalt sulfide-rGO nanoporous structures: an advanced energy-storage electrode material. Journal of Materials Chemistry A, 2017, 5, 9991-9997.	5.2	55
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1818	Hierarchical Cu(OH) <sub>2</sub> @Ni(OH) <sub>2</sub> /CO <sub>3</sub> core/shell nanowire arrays in situ grown on three-dimensional copper foam for high-performance solid-state supercapacitors. Journal of Materials Chemistry A, 2017, 5, 9960-9969.	5.2	122
1819	Facile Synthesis of Porous NiCo <sub>2</sub> O <sub>4</sub> Nanosheets as Ultra-High Rate Redox-Capacitive Materials. Journal of the Electrochemical Society, 2017, 164, A1158-A1164.	1.3	13
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1822	Redox-Additive-Enhanced High Capacitance Supercapacitors Based on Co <sub>2</sub> P <sub>2</sub> O <sub>7</sub> Nanosheets. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700059.	1.9	85
1823	Three-dimensional heterostructured MnO <sub>2</sub> /graphene/carbon nanotube composite on Ni foam for binder-free supercapacitor electrode. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 391-396.	1.0	6
1824	Chemical synthesis of flower-like hybrid Cu(OH) <sub>2</sub> /CuO electrode: Application of polyvinyl alcohol and triton X-100 to enhance supercapacitor performance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 165-174.	2.5	34
1825	High-performance all-solid-state asymmetrical supercapacitors based on petal-like NiCo <sub>2</sub> S <sub>4</sub> /Polyaniline nanosheets. <i>Chemical Engineering Journal</i> , 2017, 325, 134-143.	6.6	201
1826	Polymer Nanocomposites for Energy and Fuel Cell Applications. , 2017, , 107-137.		2
1827	High-performance wearable supercapacitors fabricated with surface activated continuous filament graphite fibers. <i>Journal of Power Sources</i> , 2017, 358, 13-21.	4.0	22
1828	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
1829	Molybdenum-Tungsten Mixed Oxide Deposited into Titanium Dioxide Nanotube Arrays for Ultrahigh Rate Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 18699-18709.	4.0	30
1830	Different morphologies of MnO <sub>2</sub> grown on the graphene@nickel foam electrode for supercapacitor application. <i>Materials Letters</i> , 2017, 208, 102-106.	1.3	28
1831	Cobalt phosphide nanowire arrays grown on carbon cloth as novel electrode material for supercapacitors. <i>Materials Science in Semiconductor Processing</i> , 2017, 66, 140-143.	1.9	13
1832	Controllable synthesis of Ni-Co-Mn multi-component metal oxides with various morphologies for high-performance flexible supercapacitors. <i>RSC Advances</i> , 2017, 7, 24353-24358.	1.7	41
1833	KOH direct treatment of kombucha and in situ activation to prepare hierarchical porous carbon for high-performance supercapacitor electrodes. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2929-2938.	1.2	33
1834	Hierarchical nanoflowers assembled from MoS <sub>2</sub> /polyaniline sandwiched nanosheets for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2017, 243, 98-104.	2.6	56
1835	Three-Dimensional Cobalt Phosphide Nanowire Arrays as Negative Electrode Material for Flexible Solid-State Asymmetric Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 16986-16994.	4.0	113
1836	Interconnected Phosphorus and Nitrogen Codoped Porous Exfoliated Carbon Nanosheets for High-Rate Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 17317-17325.	4.0	79
1837	Facile fabrication of rGO/CNT hybrid fibers for high-performance flexible supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12147-12157.	1.1	6
1838	Mesoporous manganese oxide with large specific surface area for high-performance asymmetric supercapacitor with enhanced cycling stability. <i>Chemical Engineering Journal</i> , 2017, 324, 35-43.	6.6	80

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1839	High-Performance Graphene-Carbon Nanotube Hybrid Supercapacitors. <i>ChemNanoMat</i> , 2017, 3, 436-446.	1.5	39
1841	Understanding the role of Co <sub>3</sub> O <sub>4</sub> on stability between active hierarchies and scaffolds: An insight into NiMoO <sub>4</sub> composites for supercapacitors. <i>Applied Surface Science</i> , 2017, 416, 160-167.	3.1	19
1842	Outstanding electrochemical performance of highly N- and O-doped carbons derived from pine tannin. <i>Green Chemistry</i> , 2017, 19, 2653-2665.	4.6	63
1843	Engineering the Pores of Biomass-Derived Carbon: Insights for Achieving Ultrahigh Stability at High Power in High-Energy Supercapacitors. <i>ChemSusChem</i> , 2017, 10, 2805-2815.	3.6	96
1844	Single-step growth of pyramidally textured NiO nanostructures with improved supercapacitive properties. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 6080-6087.	3.8	31
1845	Oxygen vacancies enhance pseudocapacitive charge storage properties of MoO <sub>3</sub> ·x. <i>Nature Materials</i> , 2017, 16, 454-460.	13.3	1,632
1846	BaMF <sub>4</sub> (M = Mn, Co, Ni): New electrode materials for hybrid supercapacitor with layered polar structure. <i>Journal of Power Sources</i> , 2017, 359, 585-591.	4.0	15
1847	Cyclic voltammetry modeling of proton transport effects on redox charge storage in conductive materials: application to a TiO <sub>2</sub> mesoporous film. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17944-17951.	1.3	18
1848	High electrochemical performance of hierarchical porous activated carbon derived from lightweight cork ( <i>Quercus suber</i> ). <i>Journal of Materials Science</i> , 2017, 52, 10600-10613.	1.7	47
1849	Intense pulsed white light assisted fabrication of Co-CoO <sub>x</sub> core-shell nanoflakes on graphite felt for flexible hybrid supercapacitors. <i>Electrochimica Acta</i> , 2017, 246, 757-765.	2.6	29
1850	Direct successive ionic layer adsorption and reaction (SILAR) synthesis of nickel and cobalt hydroxide composites for supercapacitor applications. <i>Journal of Alloys and Compounds</i> , 2017, 722, 809-817.	2.8	45
1851	Biomass-derived carbon electrode materials for supercapacitors. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1265-1281.	2.5	287
1852	Asymmetric Supercapacitors Based on Reduced Graphene Oxide with Different Polyoxometalates as Positive and Negative Electrodes. <i>ChemSusChem</i> , 2017, 10, 2742-2750.	3.6	89
1853	Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> -based energy conversion and storage systems: Status and prospects. <i>Coordination Chemistry Reviews</i> , 2017, 343, 139-184.	9.5	97
1854	MnO <sub>x</sub> -decorated carbonized porous silicon nanowire electrodes for high performance supercapacitors. <i>Energy and Environmental Science</i> , 2017, 10, 1505-1516.	15.6	109
1855	Asymmetric supercapacitor based on activated expanded graphite and pinecone tree activated carbon with excellent stability. <i>Applied Energy</i> , 2017, 207, 417-426.	5.1	68
1856	Tuning pseudocapacitive and battery-like lithium intercalation in vanadium dioxide/carbon onion hybrids for asymmetric supercapacitor anodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13039-13051.	5.2	41
1857	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. <i>ChemElectroChem</i> , 2017, 4, 2634-2642.	1.7	15

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1858	In-situ synthesis of hierarchical Mn-decorated NiCo <sub>2</sub> S <sub>4</sub> nanosheet arrays on Ni foam as binder-free electrodes for high-performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 14646-14654.	1.1	5
1859	Nano-sheet-like KNiPO <sub>4</sub> as a positive electrode material for aqueous hybrid supercapacitors. <i>Electrochimica Acta</i> , 2017, 246, 963-970.	2.6	15
1860	Controllable synthesis of nickel bicarbonate nanocrystals with high homogeneity for a high-performance supercapacitor. <i>Nanotechnology</i> , 2017, 28, 345401.	1.3	5
1861	Fabrication of High Energy Li <sup>+</sup> Ion Capacitors from Orange Peel Derived Porous Carbon. <i>ChemistrySelect</i> , 2017, 2, 5051-5058.	0.7	17
1862	Growth of highly mesoporous CuCo <sub>2</sub> O <sub>4</sub> nanoflakes@Ni(OH) <sub>2</sub> nanosheets as advanced electrodes for high-performance hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 722, 928-937.	2.8	27
1863	Facile Fabrication of Three-Dimensional Graphene and Metal-Organic Framework Composites and Their Derivatives for Flexible All-Solid-State Supercapacitors. <i>Chemistry of Materials</i> , 2017, 29, 6058-6065.	3.2	220
1864	RuO <sub>2</sub> -coated vertical graphene hybrid electrodes for high-performance solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17293-17301.	5.2	132
1865	Synthesis of 3D flower-like cobalt sulfide hierachitecture for high-performance electrochemical energy storage. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	11
1866	A two-step hydrothermal synthesis approach to synthesize NiCo <sub>2</sub> S <sub>4</sub> /NiS hollow nanospheres for high-performance asymmetric supercapacitors. <i>Applied Surface Science</i> , 2017, 422, 597-606.	3.1	40
1867	Needle-like Co Mo O with multi-modal porosity for pseudocapacitors. <i>Materials Chemistry and Physics</i> , 2017, 198, 258-265.	2.0	16
1868	Hierarchical Co <sub>3</sub> O <sub>4</sub> @PPy core-shell composite nanowires for supercapacitors with enhanced electrochemical performance. <i>Materials Research Bulletin</i> , 2017, 96, 463-470.	2.7	38
1869	Pseudocapacitive Characteristics of Low-Carbon Silicon Oxycarbide for Lithium-Ion Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 20566-20576.	4.0	54
1870	Direct aqueous solution synthesis of an ultra-fine amorphous nickel-boron alloy with superior pseudocapacitive performance for advanced asymmetric supercapacitors. <i>New Journal of Chemistry</i> , 2017, 41, 7302-7311.	1.4	38
1871	Engineering biorefinery residues from loblolly pine for supercapacitor applications. <i>Carbon</i> , 2017, 120, 304-312.	5.4	51
1872	Tunable morphology and property of a MnO <sub>2</sub> /carbonized cotton textile hybrid electrode for electrochemical capacitors. <i>Journal of Alloys and Compounds</i> , 2017, 729, 655-662.	2.8	22
1873	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
1874	Influence of Iodide Ions Concentration on the Stability of 1-Ethyl-3-methylimidazolium Tetrafluoroborate   Molybdenum Carbide Derived Carbon Electrode Interface. <i>Journal of the Electrochemical Society</i> , 2017, 164, A1110-A1119.	1.3	13
1875	Semitransparent, flexible electrochemical capacitors with excellent stability fabricated with polypyrrole-titanium mesh electrodes. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45235.	1.3	2



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1876	Hierarchical Nickel Sulfide Coated Halloysite Nanotubes For Efficient Energy Storage. <i>Electrochimica Acta</i> , 2017, 245, 51-58.	2.6	16
1877	Synthesis of rGO/PS compound with sandwich structure on Ni foam as binder-free electrode for supercapacitor. <i>Functional Materials Letters</i> , 2017, 10, 1750032.	0.7	7
1878	Investigation of graphene oxide nanogel and carbon nanorods as electrode for electrochemical supercapacitor. <i>Electrochimica Acta</i> , 2017, 245, 268-278.	2.6	32
1879	Multihierarchical Structure of Hybridized Phosphates Anchored on Reduced Graphene Oxide for High Power Hybrid Energy Storage Devices. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5679-5685.	3.2	49
1880	Two-Dimensional Covalent Organic Frameworks for Optoelectronics and Energy Storage. <i>ChemNanoMat</i> , 2017, 3, 373-391.	1.5	106
1881	A superhydrophilic "nanoglue" for stabilizing metal hydroxides onto carbon materials for high-energy and ultralong-life asymmetric supercapacitors. <i>Energy and Environmental Science</i> , 2017, 10, 1958-1965.	15.6	294
1882	Balanced mesoporous nickel cobaltite-graphene and doped carbon electrodes for high-performance asymmetric supercapacitor. <i>Chemical Engineering Journal</i> , 2017, 326, 401-410.	6.6	34
1883	Role of nitrogen doping at the surface of titanium nitride thin films towards capacitive charge storage enhancement. <i>Journal of Power Sources</i> , 2017, 359, 349-354.	4.0	62
1884	Capacitive performance of amino acid ionic liquid electrolyte-based supercapacitors by molecular dynamics simulation. <i>RSC Advances</i> , 2017, 7, 28945-28950.	1.7	25
1885	Ionic Liquids for Supercapacitor Applications. <i>Topics in Current Chemistry</i> , 2017, 375, 63.	3.0	105
1886	Nitrogen/sulfur co-doping-assisted chemical activation for synthesis of hierarchical porous carbon as an efficient electrode material for supercapacitors. <i>Electrochimica Acta</i> , 2017, 246, 59-67.	2.6	46
1887	Facile synthesis of NiAl layered double hydroxide nanoplates for high-performance asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2017, 721, 803-812.	2.8	94
1888	Preparation of high strain polyaniline/polyvinyl alcohol composite and its applications in stretchable supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 14568-14574.	1.1	20
1889	Electrochemical properties of solid leather wastes based supercapacitor electrodes using H <sub>2</sub> SO <sub>4</sub> electrolyte. <i>Materials Letters</i> , 2017, 205, 56-61.	1.3	10
1890	Solid-state supercapacitor based on breath figured polymethyl methacrylate deposited by graphene: the effect of electrode surface. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 14121-14130.	1.1	10
1891	Flower-like molybdenum disulfide nanosheets grown on carbon nanosheets to form nanocomposites: Novel structure and excellent electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2017, 722, 250-258.	2.8	24
1892	Novel amorphous nickel sulfide@CoS double-shelled polyhedral nanocages for supercapacitor electrode materials with superior electrochemical properties. <i>Electrochimica Acta</i> , 2017, 237, 94-101.	2.6	114
1893	Effects of amount of graphene oxide and the times of LightScribe on the performance of all-solid-state flexible graphene-based micro-supercapacitors. <i>Materials Research Express</i> , 2017, 4, 036304.	0.8	19

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1895	High performance sodium-ion hybrid capacitor based on Na <sub>2</sub> Ti <sub>2</sub> O <sub>4</sub> (OH) <sub>2</sub> nanostructures. <i>Journal of Power Sources</i> , 2017, 353, 85-94.	4.0	95
1896	Ni nanoparticles embedded into cross-linked NiO nanoflakes as enhanced cathode for alkaline batteries. <i>Materials Research Bulletin</i> , 2017, 96, 315-319.	2.7	16
1897	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
1898	3D flower-like NiCo <sub>2</sub> O <sub>4</sub> electrode material prepared by a modified solvothermal method for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2017, 711, 670-676.	2.8	28
1899	Ultrathin ZnS nanosheet/carbon nanotube hybrid electrode for high-performance flexible all-solid-state supercapacitor. <i>Nano Research</i> , 2017, 10, 2570-2583.	5.8	100
1900	Effect of low water content in protic ionic liquid on ions electrosorption in porous carbon: application to electrochemical capacitors. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 11173-11186.	1.3	25
1901	Cabbage-like Ni(OH) <sub>2</sub> with a good long-term cycling stability and high electrochemical performances for supercapacitor applications. <i>Chemical Physics Letters</i> , 2017, 677, 75-79.	1.2	31
1902	Structurally stable hollow mesoporous graphitized carbon nanofibers embedded with NiMoO <sub>4</sub> nanoparticles for high performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2017, 238, 337-348.	2.6	78
1903	Bacterial-cellulose-derived interconnected meso-microporous carbon nanofiber networks as binder-free electrodes for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2017, 352, 34-41.	4.0	128
1904	One-dimensional Co <sub>3</sub> O <sub>4</sub> nanonet with enhanced rate performance for lithium ion batteries: Carbonyl- $\beta$ -cyclodextrin inducing and kinetic analysis. <i>Chemical Engineering Journal</i> , 2017, 321, 31-39.	6.6	40
1905	Tuning the electro-chemical properties by selectively substituting transition metals on carbon in Ni/Co oxide-carbon composite electrodes for supercapacitor devices. <i>New Journal of Chemistry</i> , 2017, 41, 3562-3573.	1.4	21
1906	Design of a unique 3D-nanostructure to make MnO <sub>2</sub> work as supercapacitor material in acid environment. <i>Chemical Engineering Journal</i> , 2017, 321, 554-563.	6.6	42
1907	Preparation of three-dimensional graphene foam for high performance supercapacitors. <i>Progress in Natural Science: Materials International</i> , 2017, 27, 177-181.	1.8	56
1908	One-step fabrication of porous GaN crystal membrane and its application in energy storage. <i>Scientific Reports</i> , 2017, 7, 44063.	1.6	38
1909	Self-Assembled Array of Tethered Manganese Oxide Nanoparticles for the Next Generation of Energy Storage. <i>Scientific Reports</i> , 2017, 7, 44191.	1.6	10
1910	An all-solid-state, lightweight, and flexible asymmetric supercapacitor based on cabbage-like ZnCo <sub>2</sub> O <sub>4</sub> and porous VN nanowires electrode materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6928-6936.	5.2	81
1911	Ultramicroporous carbon cloth for flexible energy storage with high areal capacitance. <i>Energy Storage Materials</i> , 2017, 7, 216-221.	9.5	94

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1912	Controllable MnCo <sub>2</sub> S <sub>4</sub> nanostructures for high performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7494-7506.	5.2	198
1913	Facile synthesis of ultrathin NiCo <sub>2</sub> S <sub>4</sub> nano-petals inspired by blooming buds for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7144-7152.	5.2	251
1914	Pushing the Energy Output and Cyclability of Sodium Hybrid Capacitors at High Power to New Limits. <i>Advanced Energy Materials</i> , 2017, 7, 1602654.	10.2	105
1915	Hierarchical flower-like nickel phenylphosphonate microspheres and their calcined derivatives for supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7474-7481.	5.2	61
1916	A Cost-Effective and High-Performance Core-Shell-Nanorod-Based ZnO/Fe <sub>2</sub> O <sub>3</sub> //ZnO/C Asymmetric Supercapacitor. <i>Journal of the Electrochemical Society</i> , 2017, 164, A987-A994.	1.3	20
1917	Naturally nitrogen doped porous carbon derived from waste shrimp shells for high-performance lithium ion batteries and supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2017, 246, 72-80.	2.2	156
1918	N-Doped hierarchical porous carbon from waste boat-fruited sterculia seed for high performance supercapacitors. <i>RSC Advances</i> , 2017, 7, 16678-16687.	1.7	52
1919	Reducing and Uniforming the Co <sub>3</sub> O <sub>4</sub> Particle Size by Sulfonated Graphenel Polymers for Electrochemical Applications. <i>Nanoscale Research Letters</i> , 2017, 12, 165.	3.1	11
1920	Improving biomass-derived carbon by activation with nitrogen and cobalt for supercapacitors and oxygen reduction reaction. <i>Applied Surface Science</i> , 2017, 411, 251-260.	3.1	81
1921	Hierarchical porous carbon with ordered straight micro-channels templated by continuous filament glass fiber arrays for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1516-1525.	5.2	62
1922	Cheap, High-Performance, and Wearable Mn Oxide Supercapacitors with Urea-LiClO <sub>4</sub> Based Gel Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 479-486.	4.0	15
1923	Microwave assisted fabrication of a nanostructured reduced graphene oxide (rGO)/Fe <sub>2</sub> O <sub>3</sub> composite as a promising next generation energy storage material. <i>RSC Advances</i> , 2017, 7, 309-317.	1.7	74
1924	One-Step Synthesis of Co <sub>3</sub> O <sub>4</sub> /Graphene Aerogels and Their All-Solid-State Asymmetric Supercapacitor. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1143-1152.	1.0	34
1925	Large-area printed supercapacitor technology for low-cost domestic green energy storage. <i>Energy</i> , 2017, 118, 1313-1321.	4.5	58
1926	Facile synthesis of Ni <sub>3</sub> S <sub>2</sub> and Co <sub>9</sub> S <sub>8</sub> double-size nanoparticles decorated on rGO for high-performance supercapacitor electrode materials. <i>Electrochimica Acta</i> , 2017, 226, 69-78.	2.6	101
1927	Nanoconfined Ionic Liquids. <i>Chemical Reviews</i> , 2017, 117, 6755-6833.	23.0	499
1928	In situ immobilized, magnetite nanoplatelets over holey graphene nanoribbons for high performance solid state supercapacitor. <i>Electrochimica Acta</i> , 2017, 224, 517-526.	2.6	29
1929	Nitrogen-Doped Porous Carbon Nanosheets from Eco-Friendly Eucalyptus Leaves as High Performance Electrode Materials for Supercapacitors and Lithium Ion Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 3683-3690.	1.7	132

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1930	Facile synthesis of flower-like Ni <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> (0 ≤ x ≤ 1.5) microstructures as high-performance electrode materials for supercapacitors. <i>Electrochimica Acta</i> , 2017, 225, 283-291.	2.6	17
1931	Development of SnS <sub>2</sub> /RGO nanosheet composite for cost-effective aqueous hybrid supercapacitors. <i>Nanotechnology</i> , 2017, 28, 025401.	1.3	74
1932	Relationships between pore size and charge transfer resistance of carbon aerogels for organic electric double-layer capacitor electrodes. <i>Electrochimica Acta</i> , 2017, 223, 21-30.	2.6	132
1933	A Novel and Generalized Lithium-Ion Battery Configuration utilizing Al Foil as Both Anode and Current Collector for Enhanced Energy Density. <i>Advanced Materials</i> , 2017, 29, 1604219.	11.1	128
1934	Materials for Electrochemical Capacitors. , 2017, , 495-561.		25
1935	An Asymmetric Supercapacitor with Both Ultra-High Gravimetric and Volumetric Energy Density Based on 3D Ni(OH) <sub>2</sub> /MnO <sub>2</sub> @Carbon Nanotube and Activated Polyaniline-Derived Carbon. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 668-676.	4.0	78
1936	One-pot hydrothermal synthesis and supercapacitive performance of nitrogen and MnO co-doped hierarchical porous carbon monoliths. <i>Ceramics International</i> , 2017, 43, 4427-4433.	2.3	10
1937	One-pot synthesis of <i>γ</i> -MnS/reduced graphene oxide with enhanced performance for aqueous asymmetric supercapacitors. <i>Nanotechnology</i> , 2017, 28, 065402.	1.3	34
1938	Facile synthesis of Tremelliform Co <sub>0.85</sub> Se nanosheets for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2017, 697, 124-131.	2.8	40
1939	Multi-dimensional carbon nanofibers for supercapacitor electrodes. <i>Journal of Electroceramics</i> , 2017, 38, 43-50.	0.8	13
1940	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
1941	Facile synthesis of hierarchical nanocage MnCo <sub>2</sub> O <sub>4</sub> for high performance supercapacitor. <i>Electrochimica Acta</i> , 2017, 225, 39-46.	2.6	131
1942	CuCo <sub>2</sub> O <sub>4</sub> nanowall morphology as Li-ion battery anode: Enhancing electrochemical performance through stoichiometry control. <i>Materials Research Bulletin</i> , 2017, 90, 303-310.	2.7	30
1943	A new protocol for the distribution of MnO <sub>2</sub> nanoparticles on rGO sheets and the resulting electrochemical performance. <i>Applied Surface Science</i> , 2017, 399, 95-105.	3.1	30
1944	The synergistic effect achieved by combining different nitrogen-doped carbon shells for high performance capacitance. <i>Chemical Communications</i> , 2017, 53, 857-860.	2.2	16
1945	Self-Supporting GaN Nanowires/Graphite Paper: Novel High-Performance Flexible Supercapacitor Electrodes. <i>Small</i> , 2017, 13, 1603330.	5.2	70
1946	Simple in-situ growth of layered Ni <sub>3</sub> S <sub>2</sub> thin film electrode for the development of high-performance supercapacitors. <i>Applied Surface Science</i> , 2017, 399, 432-439.	3.1	21
1947	Solvent Polarity Governs Ion Interactions and Transport in a Solvated Room-Temperature Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 167-171.	2.1	45

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1948	A flexible polyaniline/graphene/bacterial cellulose supercapacitor electrode. <i>New Journal of Chemistry</i> , 2017, 41, 857-864.	1.4	65
1949	Hierarchically nanostructured boron-doped diamond electrode surface. <i>Diamond and Related Materials</i> , 2017, 72, 13-19.	1.8	22
1950	Layer-structured nanohybrid MoS <sub>2</sub> @rGO on 3D nickel foam for high performance energy storage applications. <i>New Journal of Chemistry</i> , 2017, 41, 1473-1482.	1.4	65
1951	Preparation of three-dimensional compressible MnO <sub>2</sub> @carbon nanotube sponges with enhanced supercapacitor performance. <i>New Journal of Chemistry</i> , 2017, 41, 14906-14913.	1.4	35
1952	NiCo <sub>2</sub> O <sub>4</sub> nanostructure-decorated PAN/lignin based carbon nanofiber electrodes with excellent cyclability for flexible hybrid supercapacitors. <i>Polymer</i> , 2017, 132, 31-40.	1.8	85
1953	Using Polymeric Ionic Liquids as an Active Binder in Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2017, 164, A3253-A3258.	1.3	7
1954	Carbon cloth@T-Nb <sub>2</sub> O <sub>5</sub> @MnO <sub>2</sub> : A rational exploration of manganese oxide for high performance supercapacitor. <i>Electrochimica Acta</i> , 2017, 253, 311-318.	2.6	38
1955	Cellulose-derived carbon nanofibers/graphene composite electrodes for powerful compact supercapacitors. <i>RSC Advances</i> , 2017, 7, 45968-45977.	1.7	76
1956	Honeycomb-like metallic nickel selenide nanosheet arrays as binder-free electrodes for high-performance hybrid asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22527-22535.	5.2	141
1957	Recent Progress in Micro-€Supercapacitors with In-€Plane Interdigital Electrode Architecture. <i>Small</i> , 2017, 13, 1701989.	5.2	180
1958	Three-dimensional CoMoO <sub>4</sub> nanorods/nanographene composites on a Ni coated macroporous electrically conductive network with excellent electrochemical performance. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 226, 177-187.	1.7	7
1959	DFT investigation of the interaction between single-walled carbon nanotubes and fluorene-based conjugated oligomers. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28071-28082.	1.3	7
1960	Pulsed Electrochemical Mass Spectrometry for Operando Tracking of Interfacial Processes in Small-Time-Constant Electrochemical Devices such as Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 41224-41232.	4.0	23
1961	Highly compressible reduced graphene oxide/polypyrrole/MnO <sub>2</sub> aerogel electrodes meeting the requirement of limiting space. <i>Materials Research Express</i> , 2017, 4, 115602.	0.8	6
1962	Confinement of iodides in carbon porosity to prevent from positive electrode oxidation in high voltage aqueous hybrid electrochemical capacitors. <i>Carbon</i> , 2017, 125, 391-400.	5.4	30
1963	Nanophase-segregation in the dielectric layer enhances the charge storage capacity of polymeric electrochemical supercapacitors. <i>Organic Electronics</i> , 2017, 51, 322-331.	1.4	7
1964	Effect of fine layer structure on electrochemistry properties. <i>Journal of Electroanalytical Chemistry</i> , 2017, 804, 185-191.	1.9	4
1965	Ni nanoparticles@Ni-€Mo nitride nanorod arrays: a novel 3D-network hierarchical structure for high areal capacitance hybrid supercapacitors. <i>Nanoscale</i> , 2017, 9, 18032-18041.	2.8	59

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1966	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
1967	Decorating Graphene Oxide with Ionic Liquid Nanodroplets: An Approach Leading to Energy-Dense, High-Voltage Supercapacitors. <i>ACS Nano</i> , 2017, 11, 10077-10087.	7.3	85
1968	Vanadium trioxide@carbon nanosheet array-based ultrathin flexible symmetric hydrogel supercapacitors with 2.4 V voltage and high volumetric energy density. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22216-22223.	5.2	30
1969	Formation of Micron-Sized Nickel Cobalt Sulfide Solid Spheres with High Tap Density for Enhancing Pseudocapacitive Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9945-9954.	3.2	38
1970	Ultracentrifugation: An effective novel route to ultrafast nanomaterials for hybrid supercapacitors. <i>Current Opinion in Electrochemistry</i> , 2017, 6, 120-126.	2.5	8
1971	Hierarchical mesoporous Co <sub>3</sub> Ni <sub>2</sub> O <sub>8</sub> as advanced electrode material for hybrid supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 28445-28452.	3.8	21
1972	Hierarchical mesoporous Co <sub>3</sub> O <sub>4</sub> /C@MoS <sub>2</sub> core-shell structured materials for electrochemical energy storage with high supercapacitive performance. <i>Synthetic Metals</i> , 2017, 233, 101-110.	2.1	37
1973	Organic multi-electron redox couple-induced functionalization for enabling ultrahigh rate and cycling performances of supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25420-25430.	5.2	57
1974	Oxygen-functionalized Porous Carbon as Single-phase Mixed Electron/Proton Conductor with Capacitance Properties. <i>Chemistry Letters</i> , 2017, 46, 1828-1831.	0.7	7
1975	The Pine-Needle-Inspired Structure of Zinc Oxide Nanorods Grown on Electrospun Nanofibers for High-Performance Flexible Supercapacitors. <i>Small</i> , 2017, 13, 1702142.	5.2	35
1976	Three-Dimensional Co <sub>3</sub> O <sub>4</sub> @NiCo <sub>2</sub> S <sub>4</sub> Core/Shell Nanoflower Array with Enhanced Electrochemical Performance. <i>ChemistrySelect</i> , 2017, 2, 9537-9545.	0.7	13
1977	Coupling cobalt-iron bimetallic nitrides and N-doped multi-walled carbon nanotubes as high-performance bifunctional catalysts for oxygen evolution and reduction reaction. <i>Electrochimica Acta</i> , 2017, 258, 51-60.	2.6	61
1978	<i>In situ</i> nitrogen-doped mesoporous carbon nanofibers as flexible freestanding electrodes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23620-23627.	5.2	95
1979	Simultaneous polymerization enabled the facile fabrication of S-doped carbons with tunable mesoporosity for high-capacitance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23513-23522.	5.2	31
1980	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
1981	3D printing technologies for electrochemical energy storage. <i>Nano Energy</i> , 2017, 40, 418-431.	8.2	351
1982	Revolution of Graphene for different applications: State-of-the-art. <i>Surfaces and Interfaces</i> , 2017, 9, 93-106.	1.5	107
1983	Low-cost superior symmetric solid-state supercapacitors based on MWCNTs/MnO <sub>2</sub> nanocomposite thin film. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 503-510.	2.7	40



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1984	Miniature graphene-based supercapacitors fabricated by laser ablation. <i>Microelectronic Engineering</i> , 2017, 182, 1-7.	1.1	15
1985	All-Solid-State Flexible Fiber-Based MXene Supercapacitors. <i>Advanced Materials Technologies</i> , 2017, 2, 1700143.	3.0	156
1986	In Situ TEM Investigation of the Electrochemical Behavior in CNTs/MnO <sub>2</sub> -Based Energy Storage Devices. <i>Analytical Chemistry</i> , 2017, 89, 9671-9675.	3.2	10
1987	Ultrathin petal-like NiAl layered double oxide/sulfide composites as an advanced electrode for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19687-19696.	5.2	151
1988	Hierarchical design of Cu <sub>1-x</sub> Ni <sub>x</sub> S nanosheets for high-performance asymmetric solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19760-19772.	5.2	116
1989	Pore structure improvement of carbon aerogel and investigation of the supercapacitive behavior of a Co <sub>3</sub> O <sub>4</sub> nanoball/carbon aerogel composite. <i>New Journal of Chemistry</i> , 2017, 41, 11731-11741.	1.4	8
1990	Nitrogen-rich green leaves of papaya and <i>Coccinia grandis</i> as precursors of activated carbon and their electrochemical properties. <i>RSC Advances</i> , 2017, 7, 42064-42072.	1.7	14
1991	Graphene supercapacitor with both high power and energy density. <i>Nanotechnology</i> , 2017, 28, 445401.	1.3	137
1992	Facile Preparation of Varisized ZIF-8 and ZIF-8/Polypyrrole Composites for Flexible Solid-State Supercapacitor. <i>ChemistrySelect</i> , 2017, 2, 7530-7534.	0.7	9
1993	In-situ fabrication of nanosheet arrays on copper foil as a new substrate for binder-free high-performance electrochemical supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2017, 802, 48-56.	1.9	13
1994	High-performance flexible supercapacitors based on C/Na <sub>2</sub> Ti <sub>5</sub> O <sub>11</sub> nanocomposite electrode materials. <i>Journal of Materials Science</i> , 2017, 52, 13897-13908.	1.7	8
1995	Recent developed different structural nanomaterials and their performance for supercapacitor application. <i>Applied Materials Today</i> , 2017, 9, 300-313.	2.3	62
1996	Substrate-integrated core-shell Co <sub>3</sub> O <sub>4</sub> @Au@CuO hybrid nanowires as efficient cathode materials for high-performance asymmetric supercapacitors with excellent cycle life. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21715-21725.	5.2	62
1997	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
1998	Preparation of high strain porous polyvinyl alcohol/polyaniline composite and its applications in all-solid-state supercapacitor. <i>Journal of Power Sources</i> , 2017, 364, 200-207.	4.0	48
1999	Ultrathin Nafion-filled porous membrane for zinc/bromine redox flow batteries. <i>Scientific Reports</i> , 2017, 7, 10503.	1.6	38
2000	CeO <sub>2</sub> /CNTs hybrid with high performance as electrode materials for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2017, 729, 64-70.	2.8	62
2001	The effect of finite pore length on ion structure and charging. <i>Journal of Chemical Physics</i> , 2017, 147, 104708.	1.2	29

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2002	Three-Dimensional NiCo <sub>2</sub> O <sub>4</sub> @MnMoO <sub>4</sub> Core-Shell Nanoarrays for High-Performance Asymmetric Supercapacitors. <i>Langmuir</i> , 2017, 33, 10446-10454.	1.6	90
2003	Porous asphalt/graphene composite for supercapacitors with high energy density at superior power density without added conducting materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21757-21764.	5.2	24
2004	Urine to highly porous heteroatom-doped carbons for supercapacitor: A value added journey for human waste. <i>Scientific Reports</i> , 2017, 7, 10910.	1.6	55
2005	Supercapacitor performance of perovskite La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Dalton Transactions</i> , 2017, 46, 13720-13730.	1.6	210
2006	Ultrahigh surface area meso/microporous carbon formed with self-template for high-voltage aqueous supercapacitors. <i>Journal of Power Sources</i> , 2017, 365, 362-371.	4.0	28
2007	Understanding of carbon-based supercapacitors ageing mechanisms by electrochemical and analytical methods. <i>Journal of Power Sources</i> , 2017, 366, 123-130.	4.0	54
2008	Free-Standing Sandwich-Structured Flexible Film Electrode Composed of Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> Nanowires@CNT and Reduced Graphene Oxide for Advanced Sodium-Ion Batteries. <i>ACS Omega</i> , 2017, 2, 5726-5736.	1.6	14
2009	Flexible supercapacitor electrodes based on real metal-like cellulose papers. <i>Nature Communications</i> , 2017, 8, 536.	5.8	313
2010	Heterostructural MnO <sub>2</sub> @NiS <sub>2</sub> /Ni(OH) <sub>2</sub> materials for high-performance pseudocapacitor electrodes. <i>RSC Advances</i> , 2017, 7, 44289-44295.	1.7	26
2011	Degradation-induced capacitance: a new insight into the superior capacitive performance of polyaniline/graphene composites. <i>Energy and Environmental Science</i> , 2017, 10, 2372-2382.	15.6	156
2012	Pseudocapacitance of Mesoporous Spinel-Type MCo <sub>2</sub> O <sub>4</sub> (M = Co, Zn, and Ni) Rods Fabricated by a Facile Solvothermal Route. <i>ACS Omega</i> , 2017, 2, 6003-6013.	1.6	79
2013	Three-Dimensional Hierarchical NiCo <sub>2</sub> O <sub>4</sub> Nanosheets/Carbon Nanotubes/Carbon Cloth as a Flexible Electrode Material for Electrochemical Capacitors. <i>ChemistrySelect</i> , 2017, 2, 8618-8624.	0.7	12
2014	Highly porous nitrogen-doped carbon for superior electric double-layer capacitors. <i>RSC Advances</i> , 2017, 7, 44735-44742.	1.7	22
2015	Nanocomposite of ZIF-67 metal-organic framework with reduced graphene oxide nanosheets for high-performance supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 18040-18048.	1.1	69
2016	Electrostatic Self-Assembly of Sandwich-Like CoAl-LDH/Polypyrrole/Graphene Nanocomposites with Enhanced Capacitive Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 31699-31709.	4.0	103
2017	Engineered Fabrication of Hierarchical Frameworks with Tuned Pore Structure and N,O-Co-Doping for High-Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 31940-31949.	4.0	53
2018	Synthesis and electrochemical performance of ZnO@MnO <sub>2</sub> core-shell column arrays on Ni Foam as electrode for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 18262-18268.	1.1	2
2019	High-performance asymmetric supercapacitor with ultrahigh energy density based on hierarchical graphene sheets@NiO core-shell nanosheets and 3D drilled graphene sheets hydrogel. <i>Journal of Alloys and Compounds</i> , 2017, 727, 1189-1202.	2.8	16

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2020	Molecular mechanism of water reorientational slowing down in concentrated ionic solutions. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10023-10028.	3.3	38
2021	SFG Study of the Potential-Dependent Adsorption of the <i>p</i> -Toluenesulfonate Anion at an Activated Carbon/Propylene Carbonate Interface. Journal of Physical Chemistry C, 2017, 121, 20567-20575.	1.5	6
2022	Black Phosphorus Nanoflakes/Polyaniline Hybrid Material for High-Performance Pseudocapacitors. Journal of Physical Chemistry C, 2017, 121, 20532-20538.	1.5	85
2023	Rapid synthesis of transition metal dichalcogenide-carbon aerogel composites for supercapacitor electrodes. Microsystems and Nanoengineering, 2017, 3, 17032.	3.4	48
2024	A Review of On-Chip Micro Supercapacitors for Integrated Self-Powering Systems. Journal of Microelectromechanical Systems, 2017, 26, 949-965.	1.7	106
2025	Manganese Oxide/Single-Walls Carbon Nanotubes Electrodeposited Films for Supercapacitors. Key Engineering Materials, 2017, 744, 354-358.	0.4	0
2026	Carbon nitride embedded MnO <sub>2</sub> nanospheres decorated with low-content Pt nanoparticles as highly efficient and durable electrode material for solid state supercapacitors. Journal of Electroanalytical Chemistry, 2017, 801, 84-91.	1.9	8
2027	Nitrogen-Superdoped 3D Graphene Networks for High-Performance Supercapacitors. Advanced Materials, 2017, 29, 1701677.	11.1	230
2028	3D Nanostructured Polypyrrole/Sodium Alginate Conducting Hydrogel from self-assembly with High Supercapacitor Performance. Journal of Macromolecular Science - Physics, 2017, 56, 532-540.	0.4	18
2029	Two-Step Deposition/Reduction Synthesis of Porous Lamellar Ni(OH) <sub>2</sub> /Reduced Graphene Oxide Composites with Large Capacitance for Supercapacitors. ChemElectroChem, 2017, 4, 2826-2834.	1.7	11
2030	Embedding Reduced Graphene Oxide in Bacterial Cellulose-Derived Carbon Nanofibril Networks for Supercapacitors. ChemElectroChem, 2017, 4, 2448-2452.	1.7	14
2031	Bio-Nanotechnology in High-Performance Supercapacitors. Advanced Energy Materials, 2017, 7, 1700592.	10.2	168
2032	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. Advanced Functional Materials, 2017, 27, 1701014.	7.8	106
2033	Chemical Synthesis of 3D Graphene-Like Cages for Sodium-Ion Batteries Applications. Advanced Energy Materials, 2017, 7, 1700797.	10.2	113
2034	Rational Synthesis of Nanostructured Electrode Materials for High-Performance Supercapacitors. , 2017, , .		0
2035	Assembly of highly stable aqueous dispersions and flexible films of nitrogen-doped graphene for high-performance stretchable supercapacitors. Journal of Materials Science, 2017, 52, 12751-12760.	1.7	4
2036	Graphene-anchored NiCo <sub>2</sub> O <sub>4</sub> nanoarrays as supercapacitor electrode for enhanced electrochemical performance. Electrochimica Acta, 2017, 248, 562-569.	2.6	58
2037	An excellent strategy for synthesis of coral-like ZnFe <sub>2</sub> O <sub>4</sub> particles for capacitive pseudocapacitors. Journal of Alloys and Compounds, 2017, 726, 154-163.	2.8	18

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2038	Highly stable 2,3,5,6-tetrachloro-1,4-benzoquinone electrodes for supercapacitors. <i>Synthetic Metals</i> , 2017, 231, 25-33.	2.1	7
2039	Enhanced electrochemical response of activated carbon nanostructures from tree-bark biomass waste in polymer-gel active electrolytes. <i>RSC Advances</i> , 2017, 7, 37286-37295.	1.7	31
2040	A novel hierarchical porous nitrogen-doped carbon derived from bamboo shoot for high performance supercapacitor. <i>Scientific Reports</i> , 2017, 7, 7362.	1.6	84
2041	A Novel Phase Transformation Activation Process toward Ni-Mn-O Nanoprism Arrays for 2.4 V Ultrahigh Voltage Aqueous Supercapacitors. <i>Advanced Materials</i> , 2017, 29, 1703463.	11.1	238
2042	Facile synthesis and supercapacitor performances of nitrogen doped CNTs grown over mesoporous Fe/SBA-15 catalyst. <i>New Journal of Chemistry</i> , 2017, 41, 11591-11599.	1.4	17
2043	Synthesis, characterization, and properties of nickel-cobalt layered double hydroxide nanostructures. <i>RSC Advances</i> , 2017, 7, 38945-38950.	1.7	45
2044	Enhanced tortuosity for electrolytes in microwave irradiated self-organized carbon-doped Ni/Co hydroxide nanocomposite electrodes with higher Ni/Co atomic ratio and rate capability for an asymmetric supercapacitor. <i>Nanotechnology</i> , 2017, 28, 445405.	1.3	6
2045	Direct growth of nickel terephthalate on Ni foam with large mass-loading for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19323-19332.	5.2	69
2046	High-energy asymmetric supercapacitors based on free-standing hierarchical Co-MoS nanosheets with enhanced cycling stability. <i>Nanoscale</i> , 2017, 9, 13747-13759.	2.8	113
2047	Structurally Stable Mesoporous Hierarchical NiMoO <sub>4</sub> Hollow Nanofibers for Asymmetric Supercapacitors with Enhanced Capacity and Improved Cycling Stability. <i>ChemElectroChem</i> , 2017, 4, 3331-3339.	1.7	29
2048	Fine decoration of carbon nanotubes with metal organic frameworks for enhanced performance in supercapacitance and oxygen reduction reaction. <i>Science Bulletin</i> , 2017, 62, 1132-1141.	4.3	37
2049	Hierarchical Porous Carbons from Poly(methyl methacrylate)/Bacterial Cellulose Composite Monolith for High-Performance Supercapacitor Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9390-9401.	3.2	41
2050	2D reentrant auxetic structures of graphene/CNT networks for omnidirectionally stretchable supercapacitors. <i>Nanoscale</i> , 2017, 9, 13272-13280.	2.8	73
2051	Highly Uniform Anodically Deposited Film of MnO <sub>2</sub> Nanoflakes on Carbon Fibers for Flexible and Wearable Fiber-Shaped Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 28386-28393.	4.0	71
2052	Facile Synthesis of Flowerlike LiFe <sub>5</sub> O <sub>8</sub> Microspheres for Electrochemical Supercapacitors. <i>Inorganic Chemistry</i> , 2017, 56, 14960-14967.	1.9	26
2053	An overview of electrospun nanofibers and their application in energy storage, sensors and wearable/flexible electronics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12657-12673.	2.7	141
2054	High Specific Capacitance Based on N-Doped Microporous Carbon in [EMIm]Al <sub>x</sub> Cl <sub>y</sub> Ionic Liquid Electrolyte. <i>Journal of the Electrochemical Society</i> , 2017, 164, A3319-A3325.	1.3	10
2055	The Electrochemical Behavior of 1-Ethyl-3-Methyl Imidazolium Tetracyanoborate Visualized by In Situ X-ray Photoelectron Spectroscopy at the Negatively and Positively Polarized Micro-Mesoporous Carbon Electrode. <i>Journal of the Electrochemical Society</i> , 2017, 164, A3393-A3402.	1.3	17

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2056	N-doped ordered mesoporous carbon/graphene composites with supercapacitor performances fabricated by evaporation induced self-assembly. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 29820-29829.	3.8	45
2057	Variable texture few-layer ordered macroporous carbon for high-performance electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25171-25176.	5.2	6
2058	Porous Carbon with Willow-Leaf-Shaped Pores for High-Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 42699-42707.	4.0	36
2059	ITO nanoparticles break optical transparency/high-area capacitance trade-off for advanced aqueous supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25177-25186.	5.2	26
2060	Nanowire-assembled $\text{Co}_3\text{O}_4@ \text{NiCo}_2\text{O}_4$ architectures for high performance all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24981-24988.	5.2	81
2061	Solid-state preparation of CuO/ZnO nanocomposites for functional supercapacitor electrodes and photocatalysts with enhanced photocatalytic properties. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 30098-30108.	3.8	79
2062	Surface modification of single-walled carbon nanotubes by functional nitrogen-containing groups and study of their properties. <i>Doklady Physical Chemistry</i> , 2017, 476, 186-189.	0.2	5
2063	Hierarchical polypyrrole nanotubes@NiCo <sub>2</sub> S <sub>4</sub> nanosheets core-shell composites with improved electrochemical performance as supercapacitors. <i>Electrochimica Acta</i> , 2017, 258, 182-191.	2.6	76
2064	Microwave-assisted synthesis of novel nanostructured $\text{Zn}_3(\text{OH})_2\text{V}_2\text{O}_7 \cdot 2\text{H}_2\text{O}$ and $\text{Zn}_2\text{V}_2\text{O}_7$ as electrode materials for supercapacitors. <i>New Journal of Chemistry</i> , 2017, 41, 15298-15304.	1.4	39
2065	Lifting the mist of flatland: The recent progress in the characterizations of two-dimensional materials. <i>Progress in Crystal Growth and Characterization of Materials</i> , 2017, 63, 72-93.	1.8	12
2066	An electrocatalytic active lyocell fabric cathode based on cationically functionalized and charcoal decorated graphite composite for quasi-solid state dye sensitized solar cell. <i>Solar Energy</i> , 2017, 155, 110-120.	2.9	16
2067	Fabrication of Highly Flexible Hierarchical Polypyrrole/Carbon Nanotube on Eggshell Membranes for Supercapacitors. <i>ACS Omega</i> , 2017, 2, 2866-2877.	1.6	56
2068	Fabrication of Metal Molybdate Micro/Nanomaterials for Electrochemical Energy Storage. <i>Small</i> , 2017, 13, 1700917.	5.2	110
2069	Nanostructured polyaniline/kenaf-derived 3D porous carbon materials with high cycle stability for supercapacitor electrodes. <i>Journal of Materials Science</i> , 2017, 52, 2158-2168.	1.7	29
2070	Highly stable 3D porous heterostructures with hierarchically-coordinated octahedral transition metals for enhanced performance supercapacitors. <i>Nano Energy</i> , 2017, 39, 337-345.	8.2	72
2071	Low-temperature fabrication of 3D drilled graphene sheets hydrogel for supercapacitors with ultralong cycle life. <i>Chemical Physics Letters</i> , 2017, 684, 290-297.	1.2	2
2072	High-performance pseudocapacitor electrode materials: cobalt (II) chloride@GQDs electrodes. <i>Emerging Materials Research</i> , 2017, 6, 227-233.	0.4	17
2073	A high-capacity dual core-shell structured MWCNTs@S@PPy nanocomposite anode for advanced aqueous rechargeable lithium batteries. <i>Nanoscale</i> , 2017, 9, 11004-11011.	2.8	41

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2074	Naturally three-dimensional laminated porous carbon network structured short nano-chains bridging nanospheres for energy storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15759-15770.	5.2	72
2075	Tuning band gaps and optical absorption of BiOCl through doping and strain: insight from DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 20968-20973.	1.3	34
2076	Fabrication of vanadium oxide, with different valences of vanadium, -embedded carbon fibers and their electrochemical performance for supercapacitor. <i>New Journal of Chemistry</i> , 2017, 41, 8977-8984.	1.4	53
2077	Design and construction of a ferrocene based inclined polycatenated Co-MOF for supercapacitor and dye adsorption applications. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17998-18011.	5.2	191
2078	Rational construction of 3D NiCo <sub>2</sub> O <sub>4</sub> @CoMoO <sub>4</sub> core/shell nanoarrays as a positive electrode for asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2017, 729, 716-723.	2.8	44
2079	One-pot hydrothermal synthesis of novel NiCoO <sub>2</sub> /reduced graphene oxide composites for supercapacitors. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 638-642.	1.3	6
2080	One-step synthesis of highly reduced graphene hydrogels for high power supercapacitor applications. <i>Journal of Power Sources</i> , 2017, 360, 538-547.	4.0	69
2081	Evaluation of the Polyaniline Based Nanocomposite Modified with Graphene Nanosheet, Carbon Nanotube, and Pt Nanoparticle as a Material for Supercapacitor. <i>Electrochimica Acta</i> , 2017, 247, 116-124.	2.6	47
2082	Synthesis and properties of 2D-titanium carbide MXene sheets towards electrochemical energy storage applications. <i>Ceramics International</i> , 2017, 43, 13119-13126.	2.3	72
2083	Urchin-like NiCo <sub>2</sub> O <sub>4</sub> nanoneedles grown on mesocarbon microbeads with synergistic electrochemical properties as electrodes for symmetric supercapacitors. <i>Dalton Transactions</i> , 2017, 46, 9457-9465.	1.6	30
2084	Independently double-crosslinked carbon nanotubes/polyaniline composite films as flexible and robust free-standing electrodes for high-performance supercapacitors. <i>Carbon</i> , 2017, 122, 761-774.	5.4	36
2085	Sulfur-doped cobalt phosphide nanotube arrays for highly stable hybrid supercapacitor. <i>Nano Energy</i> , 2017, 39, 162-171.	8.2	273
2086	Graphene-based carbons as supercapacitor electrodes with bicontinuous, porous polyacrylonitrile. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 075103.	0.8	0
2087	Self-supported hierarchical MnCo <sub>2</sub> O <sub>4</sub> @Ni <sub>3</sub> S <sub>2</sub> core-shell heterostructures on Ni foam as a binder-free electrode for high-performance supercapacitors. <i>Ceramics International</i> , 2017, 43, 12948-12956.	2.3	21
2088	Electrospun Nanomaterials for Supercapacitor Electrodes: Designed Architectures and Electrochemical Performance. <i>Advanced Energy Materials</i> , 2017, 7, 1601301.	10.2	334
2089	Supramolecular assembled three-dimensional graphene hybrids: Synthesis and applications in supercapacitors. <i>Applied Surface Science</i> , 2017, 396, 412-420.	3.1	17
2090	Three-Dimensional Hierarchically Mesoporous ZnCo <sub>2</sub> O <sub>4</sub> Nanowires Grown on Graphene/Sponge Foam for High-Performance, Flexible, All-State Supercapacitors. <i>Chemistry - A European Journal</i> , 2017, 23, 597-604.	1.7	83
2091	Electrodeposited Ni(OH) <sub>2</sub> nanostructures on electro-etched carbon fiber paper for highly stable supercapacitors. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 419-425.	1.2	16



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2093	Ultrathin Nitrogen-Enriched Hybrid Carbon Nanosheets for Supercapacitors with Ultrahigh Rate Performance and High Energy Density. <i>ChemElectroChem</i> , 2017, 4, 369-375.	1.7	32
2094	Systematic gap analysis of carbon nanotube-based lithium-ion batteries and electrochemical capacitors. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 644-659.	8.2	48
2095	Fallen-leaf-derived microporous pyropolymers for supercapacitors. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 45, 223-228.	2.9	28
2096	Porous nitrogen-doped graphene for high energy density supercapacitors in an ionic liquid electrolyte. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 759-766.	1.2	15
2097	Graphene-based materials for high-voltage and high-energy asymmetric supercapacitors. <i>Energy Storage Materials</i> , 2017, 6, 70-97.	9.5	260
2098	Design of Architectures and Materials in In-Plane Micro-supercapacitors: Current Status and Future Challenges. <i>Advanced Materials</i> , 2017, 29, 1602802.	11.1	373
2099	Pseudocapacitive materials for electrochemical capacitors: from rational synthesis to capacitance optimization. <i>National Science Review</i> , 2017, 4, 71-90.	4.6	215
2100	Novel Hybrid Nanoparticles of Vanadium Nitride/Porous Carbon as an Anode Material for Symmetrical Supercapacitor. <i>Nano-Micro Letters</i> , 2017, 9, 6.	14.4	93
2101	Polypyrrole/iron oxide/reduced graphene oxide ternary composite as a binderless electrode material with high cyclic stability for supercapacitors. <i>Composites Part B: Engineering</i> , 2017, 109, 23-29.	5.9	120
2102	Rational design of nickel cobalt sulfide/oxide core-shell nanocolumn arrays for high-performance flexible all-solid-state asymmetric supercapacitors. <i>Ceramics International</i> , 2017, 43, 2155-2164.	2.3	39
2103	Porous carbons derived from pyrene-based conjugated microporous polymer for supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2017, 240, 73-79.	2.2	31
2104	Electrochemical properties of hollow MnO <sub>2</sub> nanostructure: synthesis and application. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 418-425.	1.1	7
2105	High-Performance Supercapacitor Electrode Materials from Chitosan via Hydrothermal Carbonization and Potassium Hydroxide Activation. <i>Energy Technology</i> , 2017, 5, 452-460.	1.8	41
2106	An Aqueous Asymmetric Supercapacitor Based on Activated Carbon and Tungsten Trioxide Nanowire Electrodes. <i>Chinese Journal of Chemistry</i> , 2017, 35, 61-66.	2.6	14
2107	Electrochemical energy storage performance of heterostructured SnO <sub>2</sub> @MnO <sub>2</sub> nanoflakes. <i>Ceramics International</i> , 2017, 43, 1688-1694.	2.3	18
2108	Mimics of microstructures of Ni substituted Mn <sub>1-x</sub> Ni <sub>x</sub> Co <sub>2</sub> O <sub>4</sub> for high energy density asymmetric capacitors. <i>Chemical Engineering Journal</i> , 2017, 307, 300-310.	6.6	76
2109	Porous manganese oxide nanospheres for pseudocapacitor applications. <i>Journal of Alloys and Compounds</i> , 2017, 695, 771-778.	2.8	25

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2110	Enriched Doping Level and Tuned Fiber Fractal Dimensions in Nonwoven Carbon-Doped Polyaniline for Efficient Solid-State Supercapacitors. <i>Energy Technology</i> , 2017, 5, 253-266.	1.8	13
2111	One-step synthesis of nitrogen-doped porous carbon for supercapacitors utilizing KNO <sub>3</sub> as an electrolyte. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 171-181.	1.2	5
2112	Hydrothermally reduced nano porous graphene-polyaniline nanofiber composites for supercapacitor. <i>FlatChem</i> , 2017, 1, 1-5.	2.8	37
2113	Synthesis of reduced graphene oxide/thorn-like titanium dioxide nanofiber aerogels with enhanced electrochemical performance for supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2017, 486, 287-295.	5.0	48
2114	Highly densified carbon electrode materials towards practical supercapacitor devices. <i>Science China Materials</i> , 2017, 60, 25-38.	3.5	57
2115	The Role of Thin and Mobile Electric Double Layer in Water Purification and Energy Storage. <i>Springer Theses</i> , 2017, , 37-51.	0.0	0
2117	Effects of oxygen-containing functional groups on the supercapacitor performance of incompletely reduced graphene oxides. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 7186-7194.	3.8	47
2118	Self-assembling hierarchical NiCo <sub>2</sub> O <sub>4</sub> /MnO <sub>2</sub> nanosheets and MoO <sub>3</sub> /PPy core-shell heterostructured nanobelts for supercapacitor. <i>Chemical Engineering Journal</i> , 2017, 312, 296-305.	6.6	95
2119	Capacitive vs Faradaic Energy Storage in a Hybrid Cell with LiFePO <sub>4</sub> /RGO Positive Electrode and Nanocarbon Negative Electrode. <i>Journal of the Electrochemical Society</i> , 2017, 164, A6140-A6146.	1.3	3
2120	Fabrication of nitrogen and sulfur co-doped graphene nanoribbons with porous architecture for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2017, 312, 180-190.	6.6	130
2121	Surface-Charge-Mediated Formation of H <sub>2</sub> TiO <sub>2</sub> @Ni(OH) <sub>2</sub> Heterostructures for High-Performance Supercapacitors. <i>Advanced Materials</i> , 2017, 29, 1604164.	11.1	203
2122	High performance disulfonated poly(arylene ether sulfone)/poly(ethylene oxide) composite membrane used as a novel separator for supercapacitor with neutral electrolyte and activated carbon electrodes. <i>High Performance Polymers</i> , 2017, 29, 984-993.	0.8	19
2123	Amorphous Cobalt Boron Alloy@Graphene Oxide Nanocomposites for Pseudocapacitor Applications. <i>Journal of Materials Science and Technology</i> , 2017, 33, 438-443.	5.6	9
2124	Directional synthesis of Ni <sub>2</sub> P nanoflakes with highly porous walls for electrochemical energy storage application. <i>Materials Research Bulletin</i> , 2017, 85, 147-151.	2.7	19
2125	Improved lithium adsorption in boron- and nitrogen-substituted graphene derivatives. <i>Journal of Materials Science</i> , 2017, 52, 815-831.	1.7	21
2126	On-chip integrated vertically aligned carbon nanotube based super- and pseudocapacitors. <i>Scientific Reports</i> , 2017, 7, 16594.	1.6	30
2127	Silica-grafted ionic liquids for revealing the respective charging behaviors of cations and anions in supercapacitors. <i>Nature Communications</i> , 2017, 8, 2188.	5.8	103
2128	Electrodeposition of Hierarchical Nanosheet Arrays of NiCo <sub>2</sub> S <sub>4</sub> onto a Polymer Substrate: A New High Power Flexible Battery Electrode. <i>Journal of the Electrochemical Society</i> , 2017, 164, A3793-A3803.	1.3	8

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2129	Hierarchical Polyaniline@MnO <sub>2</sub> @Reduced Graphene Oxide Ternary Nanostructures with Whiskers-Like Polyaniline for Supercapacitor Application. <i>ChemistrySelect</i> , 2017, 2, 11783-11789.	0.7	21
2130	An intelligent scheme for source management. , 2017, , .		0
2131	Facial synthesis of nanostructured ZnCo <sub>2</sub> O <sub>4</sub> on carbon cloth for supercapacitor application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 282, 012004.	0.3	9
2132	All-printed paper based supercapacitors. , 2017, , .		0
2133	Hierarchical Multicomponent Electrode with Interlaced Ni(OH) <sub>2</sub> Nanoflakes Wrapped Zinc Cobalt Sulfide Nanotube Arrays for Sustainable High-Performance Supercapacitors. <i>Advanced Energy Materials</i> , 2017, 7, 1701228.	10.2	162
2134	Neighborhood field optimization algorithm with dendritical structure. , 2017, , .		0
2135	Superelastic Graphene Aerogel/Poly(3,4-Ethylenedioxythiophene)/MnO <sub>2</sub> Composite as Compression-Tolerant Electrode for Electrochemical Capacitors. <i>Materials</i> , 2017, 10, 1353.	1.3	6
2136	Hierarchical Mn <sub>2</sub> O <sub>3</sub> Microspheres In-Situ Coated with Carbon for Supercapacitors with Highly Enhanced Performances. <i>Nanomaterials</i> , 2017, 7, 409.	1.9	13
2137	Facile Synthesis of Polyaniline Nanotubes with Square Capillary Using Urea as Template. <i>Polymers</i> , 2017, 9, 510.	2.0	22
2138	Porous Graphene Oxide Prepared on Nickel Foam by Electrophoretic Deposition and Thermal Reduction as High-Performance Supercapacitor Electrodes. <i>Materials</i> , 2017, 10, 936.	1.3	43
2139	Influence of Activated Condition on the Structure of Diatomite-templated Carbons and Their Electrochemical Properties as Supercapacitors. <i>Electrochemistry</i> , 2017, 85, 708-714.	0.6	6
2140	Enhanced Hybrid Supercapacitors Utilizing Nanostructured Metal Oxides. , 2017, , 247-264.		5
2141	Graphene/Polyaniline Aerogel with Superelasticity and High Capacitance as Highly Compression-Tolerant Supercapacitor Electrode. <i>Nanoscale Research Letters</i> , 2017, 12, 630.	3.1	34
2142	Chemical synthesis of hierarchical NiCo <sub>2</sub> S <sub>4</sub> nanosheets like nanostructure on flexible foil for a high performance supercapacitor. <i>Scientific Reports</i> , 2017, 7, 9764.	1.6	51
2143	Electro-deposition of Co-Ni sulfide nanosheet arrays on nickel foam and investigation of the pseudocapacitive performance. , 2017, , .		1
2144	A Study of the Electrochemical Performance of Strip Supercapacitors under Static and Dynamic Mechanical Tests. <i>International Journal of Electrochemical Science</i> , 2017, , 1463-1473.	0.5	2
2145	Design and Synthesis of Ternary Graphene/Polyaniline/Co <sub>3</sub> O <sub>4</sub> Hierarchical Nanocomposites for Supercapacitors. <i>International Journal of Electrochemical Science</i> , 2017, 12, 3721-3731.	0.5	23
2146	A Novel Kind of Activated Carbon Foam Electrode for Electric Double Layer Capacitors. <i>International Journal of Electrochemical Science</i> , 2017, 12, 1846-1862.	0.5	20

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2148	Energy transmission and storage. , 2017, , 569-646.		3
2149	Facile Synthesis of MnCO <sub>3</sub> Nanoparticles on Ni Foam for Binder-Free Supercapacitor Electrodes. <i>International Journal of Electrochemical Science</i> , 2017, 12, 5898-5909.	0.5	9
2150	Facile Hydrothermal Synthesis of Manganese Dioxide/Nitrogen- Doped Graphene Composites as Electrode Material for Supercapacitors. <i>International Journal of Electrochemical Science</i> , 2017, , 11171-11180.	0.5	10
2151	N,P,S-Codoped Hierarchically Porous Carbon Spheres with Well-Balanced Gravimetric/Volumetric Capacitance for Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5265-5272.	3.2	120
2152	Electrochemical analysis of Graphene Oxide/Polyaniline/Polyvinyl alcohol composite nanofibers for supercapacitor applications. <i>Applied Surface Science</i> , 2018, 449, 551-557.	3.1	89
2153	One-step synthesis of porous carbon derived from starch for all-carbon binder-free high-rate supercapacitor. <i>Electrochimica Acta</i> , 2018, 269, 676-685.	2.6	56
2154	Biomass derived nitrogen-doped hierarchical porous carbon sheets for supercapacitors with high performance. <i>Journal of Colloid and Interface Science</i> , 2018, 523, 133-143.	5.0	170
2155	Improving the electrochemical performances of active carbon-based supercapacitors through the combination of introducing functional groups and using redox additive electrolyte. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 908-918.	2.4	29
2156	Facile preparation of porous nickel oxide membrane for flexible supercapacitors electrode via phase-separation method of polymer. <i>Materials Research Bulletin</i> , 2018, 103, 25-31.	2.7	14
2157	Highly Compressible Carbon Sponge Supercapacitor Electrode with Enhanced Performance by Growing Nickel-Cobalt Sulfide Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 10087-10095.	4.0	111
2158	Capacitance enhancement of hybrid electrochemical capacitor with asymmetric carbon electrodes configuration in neutral aqueous electrolyte. <i>Electrochimica Acta</i> , 2018, 269, 640-648.	2.6	32
2159	Candle soot derived carbon nanodot/polyaniline hybrid materials through controlled grafting of polyaniline chains for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6476-6492.	5.2	49
2160	Highly compressible graphene/polypyrrole aerogel for superelastic pseudocapacitors. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 23-29.	1.0	7
2161	The effect of SiO <sub>2</sub> additives on solid hydroxide ion-conducting polymer electrolytes: a Raman microscopy study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7148-7155.	1.3	10
2162	High-energy green supercapacitor driven by ionic liquid electrolytes as an ultra-high stable next-generation energy storage device. <i>Journal of Power Sources</i> , 2018, 383, 102-109.	4.0	108
2163	Suppressing self-discharge of supercapacitors via electrorheological effect of liquid crystals. <i>Nano Energy</i> , 2018, 47, 43-50.	8.2	183
2164	Charge transport in carbon electrodes made by electrospray of precursor sol and subsequent carbonization in situ. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2149-2157.	1.2	2

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2166	Recent development on carbon based heterostructures for their applications in energy and environment: A review. Journal of Industrial and Engineering Chemistry, 2018, 64, 16-59.	2.9	146
2167	Multifunctional Nickel Phosphate Nano/Microflakes 3D Electrode for Electrochemical Energy Storage, Nonenzymatic Glucose, and Sweat pH Sensors. ACS Applied Materials & Interfaces, 2018, 10, 8599-8610.	4.0	114
2168	Capacitive Enhancement Mechanisms and Design Principles of High-Performance Graphene Oxide-Based All-Solid-State Supercapacitors. Advanced Functional Materials, 2018, 28, 1706721.	7.8	27
2169	Ultrathin NiCo <sub>2</sub> S <sub>4</sub> @graphene with a core-shell structure as a high performance positive electrode for hybrid supercapacitors. Journal of Materials Chemistry A, 2018, 6, 5856-5861.	5.2	164
2170	Block copolymer derived 3-D interpenetrating multifunctional gyroidal nanohybrids for electrical energy storage. Energy and Environmental Science, 2018, 11, 1261-1270.	15.6	124
2171	In-situ synthesis of NiO foamed sheets on Ni foam as efficient cathode of battery-type supercapacitor. Electrochimica Acta, 2018, 269, 62-69.	2.6	46
2172	Effect of chelating agent on the sol-gel thermolysis synthesis of LiNiPO <sub>4</sub> and its electrochemical properties for hybrid capacitors. Journal of Physics and Chemistry of Solids, 2018, 119, 183-192.	1.9	24
2173	Specific capacitance, energy and power density coherence in electrochemically synthesized polyaniline-nickel oxide hybrid electrode. Organic Electronics, 2018, 57, 110-117.	1.4	32
2174	TiO <sub>2</sub> /reduced graphene oxide composite based nano-petals for supercapacitor application: effect of substrate. Journal of Materials Science: Materials in Electronics, 2018, 29, 10814-10824.	1.1	22
2175	A facile one-step hydrothermal approach to synthesize hierarchical core-shell NiFe <sub>2</sub> O <sub>4</sub> @NiFe <sub>2</sub> O <sub>4</sub> nanosheet arrays on Ni foam with large specific capacitance for supercapacitors. RSC Advances, 2018, 8, 15222-15228.	1.7	40
2176	Comparison of supercapacitive behaviors of polyaniline doped with two low-molecular-weight organic acids: D-tartaric acid and citric acid. Advances in Polymer Technology, 2018, 37, 3038-3044.	0.8	4
2177	Intrinsically microporous polymer-based hierarchical nanostructuring of electrodes via nonsolvent-induced phase separation for high-performance supercapacitors. Journal of Materials Chemistry A, 2018, 6, 8909-8915.	5.2	23
2178	Controllable morphologies of Co <sub>3</sub> O <sub>4</sub> @MnO <sub>2</sub> core-shell structure grown on nickel foam and their supercapacitor behavior. Solid State Communications, 2018, 277, 19-24.	0.9	22
2179	Multi-Anion Intercalated Layered Double Hydroxide Nanosheet-Assembled Hollow Nanoprisms with Improved Pseudocapacitive and Electrocatalytic Properties. Chemistry - an Asian Journal, 2018, 13, 1129-1137.	1.7	24
2180	Mesoporous spinel manganese zinc ferrite for high-performance supercapacitors. Journal of Electroanalytical Chemistry, 2018, 817, 111-117.	1.9	67
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2184	Rapid transformation of heterocyclic building blocks into nanoporous carbons for high-performance supercapacitors. <i>RSC Advances</i> , 2018, 8, 12300-12309.	1.7	38
2185	A phenylenediamine-mediated organic electrolyte for high performance graphene-hydrogel based supercapacitors. <i>Electrochimica Acta</i> , 2018, 273, 495-501.	2.6	14
2186	A novel porous carbon material made from wild rice stem and its application in supercapacitors. <i>Materials Chemistry and Physics</i> , 2018, 213, 267-276.	2.0	53
2187	Hierarchical 3D Zn <sup>2+</sup> /Ni <sup>2+</sup> /P nanosheet arrays as an advanced electrode for high-performance all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8669-8681.	5.2	116
2188	Polyaniline/graphene nanocomposites towards high-performance supercapacitors: A review. <i>Composites Communications</i> , 2018, 8, 83-91.	3.3	133
2189	In situ encapsulation of tin oxide and cobalt oxide composite in porous carbon for high-performance energy storage applications. <i>Journal of Electroanalytical Chemistry</i> , 2018, 817, 217-225.	1.9	38
2190	Novel supercapacitor electrodes based semiconductor nanoheterostructure of CdS/rGO/CeO <sub>2</sub> as efficient candidates. <i>Arabian Journal of Chemistry</i> , 2018, 11, 692-699.	2.3	30
2191	Self-Template-Directed Metal-Organic Frameworks Network and the Derived Honeycomb-Like Carbon Flakes via Confinement Pyrolysis. <i>Small</i> , 2018, 14, e1704461.	5.2	44
2192	Lithium salt assisted enhanced performance of supercapacitor based on quasi solid-state electrolyte. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 838-845.	2.4	10
2193	Sol-gel synthesis, structural refinement, and electrochemical properties of potassium manganese phosphate for supercapacitors. <i>Ionics</i> , 2018, 24, 2073-2082.	1.2	18
2194	Mesoporous Fe <sup>2+</sup> /Ni <sup>2+</sup> /Co ternary oxide nanoflake arrays on Ni foam for high-performance supercapacitor applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 63, 181-190.	2.9	71
2195	CaTiO <sub>3</sub> perovskite in the framework of activated carbon and its effect on enhanced electrochemical capacitance. <i>Electrochimica Acta</i> , 2018, 268, 73-81.	2.6	29
2196	Transition Metal Sulfides Based on Graphene for Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1703259.	10.2	679
2197	A comparative study of activated carbon aerogel and commercial activated carbons as electrode materials for organic electric double-layer capacitors. <i>Carbon</i> , 2018, 132, 503-511.	5.4	60
2198	Enhanced pseudocapacitance from finely ordered pristine $\gamma$ -MnO <sub>2</sub> nanorods at favourably high current density using redox additive. <i>Applied Surface Science</i> , 2018, 449, 492-499.	3.1	47
2199	Surface modification of titania nanotube arrays with crystalline manganese-oxide nanostructures and fabrication of hybrid electrochemical electrode for high-performance supercapacitors. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 62, 409-417.	2.9	14
2200	Tetra-heteroatom self-doped carbon nanosheets derived from silkworm excrement for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2018, 379, 74-83.	4.0	101



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2202	High Performance Supercapacitor Electrode Materials from Electrospun Carbon Nanofibers in Situ Activated by High Decomposition Temperature Polymer. <i>ACS Applied Energy Materials</i> , 2018, 1, 431-439.	2.5	74
2203	Si nanowires/Cu nanowires bilayer fabric as a lithium ion capacitor anode with excellent performance. <i>Journal of Power Sources</i> , 2018, 379, 261-269.	4.0	50
2204	Coal-Based Hierarchical Porous Carbon Synthesized with a Soluble Salt Self-Assembly-Assisted Method for High Performance Supercapacitors and Li-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3255-3263.	3.2	80
2205	Environmental benign synthesis of reduced graphene oxide (rGO) from spent lithium-ion batteries (LIBs) graphite and its application in supercapacitor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 543, 98-108.	2.3	90
2206	Towards flexible solid-state supercapacitors for smart and wearable electronics. <i>Chemical Society Reviews</i> , 2018, 47, 2065-2129.	18.7	1,338
2207	Amphiphilic ligand exchange reaction-induced supercapacitor electrodes with high volumetric and scalable areal capacitances. <i>Applied Surface Science</i> , 2018, 440, 730-740.	3.1	7
2208	Template-free fabrication of hollow N-doped carbon sphere (h-NCS) to synthesize h-NCS@PANI positive material for MoO <sub>3</sub> /h-NCS@PANI asymmetric supercapacitor. <i>Applied Surface Science</i> , 2018, 442, 476-486.	3.1	30
2209	Direct spinning of high-performance graphene fiber supercapacitor with a three-ply core-sheath structure. <i>Carbon</i> , 2018, 132, 241-248.	5.4	75
2210	Facile synthesis of nitrogen-doped porous carbon as robust electrode for supercapacitors. <i>Materials Research Bulletin</i> , 2018, 101, 140-145.	2.7	16
2211	Nitrogen Graphene: A New and Exciting Generation of Visible Light Driven Photocatalyst and Energy Storage Application. <i>ACS Omega</i> , 2018, 3, 1801-1814.	1.6	28
2212	Synthesis of porous MnO <sub>2</sub> -CoO microsheets and nanocones as a high-performance battery-type capacitive material. <i>Materials Research Bulletin</i> , 2018, 101, 123-131.	2.7	3
2213	Ultrafast All-Solid-State Coaxial Asymmetric Fiber Supercapacitors with a High Volumetric Energy Density. <i>Advanced Energy Materials</i> , 2018, 8, 1702946.	10.2	86
2214	Activated Biomass-derived Graphene-based Carbons for Supercapacitors with High Energy and Power Density. <i>Scientific Reports</i> , 2018, 8, 1915.	1.6	79
2215	Supported Ionic Liquid Gel Membrane Electrolytes for Flexible Supercapacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1702702.	10.2	90
2216	Design of Supercapacitor Electrodes Using Molecular Dynamics Simulations. <i>Nano-Micro Letters</i> , 2018, 10, 33.	14.4	73
2217	Yolk Type Asymmetric Ag@Cu <sub>2</sub> O Hybrid Nanoparticles on Graphene Substrate as Efficient Electrode Material for Hybrid Supercapacitors. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 233, 85-104.	1.4	17
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2220	Electrospun Mat of Poly(vinyl alcohol)/Graphene Oxide for Superior Electrolyte Performance. ACS Applied Materials & Interfaces, 2018, 10, 7927-7934.	4.0	38
2221	Assessing the electrochemical performance of a supercapacitor electrode made of copper oxide and activated carbon using liquid phase plasma. Applied Surface Science, 2018, 446, 243-249.	3.1	21
2222	Inhibition of Redox Behaviors in Hierarchically Structured Manganese Cobalt Phosphate Supercapacitor Performance by Surface Trivalent Cations. ACS Omega, 2018, 3, 1718-1725.	1.6	30
2223	Preparation of the polyelectrolyte complex hydrogel of biopolymers via a semi-dissolution acidification sol-gel transition method and its application in solid-state supercapacitors. Journal of Power Sources, 2018, 378, 603-609.	4.0	68
2224	Recent Advances in Two-Dimensional Nanomaterials for Supercapacitor Electrode Applications. ACS Energy Letters, 2018, 3, 482-495.	8.8	618
2225	All Pseudocapacitive MXene@RuO <sub>2</sub> Asymmetric Supercapacitors. Advanced Energy Materials, 2018, 8, 1703043.	10.2	757
2226	Hydrothermal Synthesis of Hybrid Rod-Like Hollow CoWO <sub>4</sub> /Co <sub>1-x</sub> S for High-Performance Supercapacitors. ChemElectroChem, 2018, 5, 1047-1055.	1.7	30
2227	Electrochemical deposition of highly loaded polypyrrole on individual carbon nanotubes in carbon nanotube film for supercapacitor. Chemical Engineering Journal, 2018, 337, 552-559.	6.6	77
2228	Effect of oxidation state of manganese in manganese oxide thin films on their capacitance performances. Surface Science, 2018, 676, 71-76.	0.8	13
2229	Reduced graphene oxide (rGO): supported NiO, Co <sub>3</sub> O <sub>4</sub> and NiCo <sub>2</sub> O <sub>4</sub> hybrid composite on carbon cloth (CC)-bi-functional electrode/catalyst for energy storage and conversion devices. Journal of Materials Science: Materials in Electronics, 2018, 29, 4869-4880.	1.1	21
2230	Multilayered Flexible Fibers with High Performance for Wearable Supercapacitor Applications. Advanced Sustainable Systems, 2018, 2, 1700143.	2.7	13
2231	Carbon foams from emulsion-templated reduced graphene oxide polymer composites: electrodes for supercapacitor devices. Journal of Materials Chemistry A, 2018, 6, 1840-1849.	5.2	70
2232	High Performance of N-Doped Graphene with Bubble-Like Textures for Supercapacitors. Small, 2018, 14, 1702570.	5.2	56
2233	Comparative study of metal-doped carbon aerogel: Physical properties and electrochemical performance. Journal of Electroanalytical Chemistry, 2018, 809, 111-116.	1.9	16
2234	Biosourced Foam-Like Activated Carbon Materials as High-Performance Supercapacitors. Advanced Sustainable Systems, 2018, 2, 1700123.	2.7	36
2235	Metal-organic framework-derived hierarchical ZnO/NiO composites: Morphology, microstructure and electrochemical performance. Journal of Industrial and Engineering Chemistry, 2018, 62, 250-257.	2.9	48
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2238	In-situ single-step chemical synthesis of graphene-decorated CoFe <sub>2</sub> O <sub>4</sub> composite with enhanced Li ion storage behaviors. <i>Electrochimica Acta</i> , 2018, 263, 515-523.	2.6	102
2239	Construction of Core-Shell NiMoO <sub>4</sub> @Ni-Co-S Nanorods as Advanced Electrodes for High-Performance Asymmetric Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 4662-4671.	4.0	195
2240	Fast ion transport through ultrathin shells of metal sulfide hollow nanocolloids used for high-performance energy storage. <i>Scientific Reports</i> , 2018, 8, 30.	1.6	14
2241	Facile synthesis of high-surface-area nanoporous carbon from biomass resources and its application in supercapacitors. <i>RSC Advances</i> , 2018, 8, 1857-1865.	1.7	16
2242	Electrochemical performance of LiFePO <sub>4</sub> /C synthesized by sol-gel method as cathode for aqueous lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 741, 404-408.	2.8	53
2243	Core-Shell Composite Fibers for High-Performance Flexible Supercapacitor Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 4041-4049.	4.0	73
2244	NiCuCo <sub>2</sub> O <sub>4</sub> Supported Ni-Cu Ion-Exchanged Mesoporous Zeolite Heteronano Architecture: An Efficient, Stable, and Economical Nonprecious Electrocatalyst for Methanol Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2023-2036.	3.2	51
2245	Hierarchically Porous Carbon as a High-Rate and Long-Life Electrode Material for High-Performance Supercapacitors. <i>ChemElectroChem</i> , 2018, 5, 770-777.	1.7	35
2246	Three dimensional hierarchically porous ZIF-8 derived carbon/LDH core-shell composite for high performance supercapacitors. <i>Electrochimica Acta</i> , 2018, 263, 391-399.	2.6	72
2247	Novel freestanding N-doped carbon coated Fe <sub>3</sub> O <sub>4</sub> nanocomposites with 3D carbon fibers network derived from bacterial cellulose for supercapacitor application. <i>Journal of Electroanalytical Chemistry</i> , 2018, 810, 18-26.	1.9	18
2248	Nano-sized ZIF-8 anchored polyelectrolyte-decorated silica for Nitrogen-Rich Hollow Carbon Shell Frameworks toward alkaline and neutral supercapacitors. <i>Carbon</i> , 2018, 136, 176-186.	5.4	74
2249	High performing all-solid electrochemical capacitor using chitosan/poly(acrylamide-co-diallyldimethylammonium chloride) as anion conducting membranes. <i>Electrochimica Acta</i> , 2018, 276, 319-324.	2.6	11
2250	Microwave combustion synthesis, magneto-optical and electrochemical properties of NiMoO <sub>4</sub> nanoparticles for supercapacitor application. <i>Ceramics International</i> , 2018, 44, 13879-13887.	2.3	89
2251	Self-Generated Nanoporous Silver Framework for High-Performance Iron Oxide Pseudocapacitor Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 17223-17231.	4.0	21
2252	Hierarchical MnCo <sub>2</sub> O <sub>4</sub> @CoMoO <sub>4</sub> core-shell nanowire arrays supported on Ni foam for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2018, 753, 761-770.	2.8	34
2253	Study on effects of applied current and voltage on the ageing of supercapacitors. <i>Electrochimica Acta</i> , 2018, 276, 343-351.	2.6	22
2254	Template-induced self-activation route for nitrogen-doped hierarchically porous carbon spheres for electric double layer capacitors. <i>Carbon</i> , 2018, 136, 204-210.	5.4	61

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2255	Synthesis and characterization of GO/IrO <sub>2</sub> thin film supercapacitor. <i>Journal of Alloys and Compounds</i> , 2018, 754, 14-25.	2.8	55
2256	Three-dimensional N- and S-codoped graphene hydrogel with in-plane pores for high performance supercapacitor. <i>Microporous and Mesoporous Materials</i> , 2018, 268, 260-267.	2.2	39
2257	Construction of NiCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> nanosheet arrays for high-performance supercapacitor: Highly cross-linked porous heterostructure and worthy electrochemical double-layer capacitance contribution. <i>Journal of Alloys and Compounds</i> , 2018, 749, 900-908.	2.8	50
2258	Oxygen-Incorporated and Polyaniline-Intercalated 1T/2H Hybrid MoS <sub>2</sub> Nanosheets Arrayed on Reduced Graphene Oxide for High-Performance Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8128-8136.	1.5	32
2259	A high energy density asymmetric supercapacitor utilizing a nickel phosphate/graphene foam composite as the cathode and carbonized iron cations adsorbed onto polyaniline as the anode. <i>RSC Advances</i> , 2018, 8, 11608-11621.	1.7	90
2260	Sustainable materials for electrochemical capacitors. <i>Materials Today</i> , 2018, 21, 437-454.	8.3	255
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2262	Etching-Assisted Crumpled Graphene Wrapped Spiky Iron Oxide Particles for High-Performance Li <sup>+</sup> Ion Hybrid Supercapacitor. <i>Small</i> , 2018, 14, e1704209.	5.2	63
2263	Sandwiched MoS <sub>2</sub> /polyaniline nanosheets array vertically aligned on reduced graphene oxide for high performance supercapacitors. <i>Electrochimica Acta</i> , 2018, 270, 387-394.	2.6	64
2264	<i>In situ</i> electrochemical electron paramagnetic resonance spectroscopy as a tool to probe electrical double layer capacitance. <i>Chemical Communications</i> , 2018, 54, 3827-3830.	2.2	22
2265	Facilely prepared, N, O-codoped nanosheet derived from pre-functionalized polymer as supercapacitor electrodes. <i>Chemical Physics</i> , 2018, 506, 17-25.	0.9	11
2266	Nitrogen-rich hollow carbon spheres decorated with FeCo/fluorine-rich carbon for high performance symmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7522-7531.	5.2	33
2267	Suitability of representative electrochemical energy storage technologies for ramp-rate control of photovoltaic power. <i>Journal of Power Sources</i> , 2018, 384, 396-407.	4.0	25
2268	Synthesis and characterization of prospective polyanionic electrode materials for high performance energy storage applications. <i>Materials Research Express</i> , 2018, 5, 044002.	0.8	2
2269	High performance all-solid-state flexible supercapacitor for wearable storage device application. <i>Chemical Engineering Journal</i> , 2018, 345, 186-195.	6.6	88
2270	Graphene-based ordered mesoporous carbon hybrids with large surface areas for supercapacitors. <i>New Journal of Chemistry</i> , 2018, 42, 7043-7048.	1.4	12
2271	Hierarchical porous carbon materials from nanosized metal-organic complex for high-performance symmetrical supercapacitor. <i>Electrochimica Acta</i> , 2018, 269, 580-589.	2.6	47
2272	N-Doped hierarchically porous carbon derived from heterogeneous core-shell ZIF-L(Zn)@ZIF-67 for supercapacitor application. <i>New Journal of Chemistry</i> , 2018, 42, 6719-6726.	1.4	53

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2274	H <sub>3</sub> PO <sub>4</sub> solution hydrothermal carbonization combined with KOH activation to prepare argy wormwood-based porous carbon for high-performance supercapacitors. <i>Applied Surface Science</i> , 2018, 444, 105-117.	3.1	103
2275	Rational design of binder-free ZnCo <sub>2</sub> O <sub>4</sub> and Fe <sub>2</sub> O <sub>3</sub> decorated porous 3D Ni as high-performance electrodes for asymmetric supercapacitor. <i>Ceramics International</i> , 2018, 44, 10635-10645.	2.3	31
2276	Flexible, large-area, all-solid-state supercapacitors using spray deposited PEDOT:PSS/reduced-graphene oxide. <i>Electrochimica Acta</i> , 2018, 270, 37-47.	2.6	62
2277	Direct growth of 2D nickel hydroxide nanosheets intercalated with polyoxovanadate anions as a binder-free supercapacitor electrode. <i>Nanoscale</i> , 2018, 10, 8953-8961.	2.8	76
2278	Carbon-based core-shell nanostructured materials for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7310-7337.	5.2	102
2279	Electrode Materials, Electrolytes, and Challenges in Nonaqueous Lithium-Ion Capacitors. <i>Advanced Materials</i> , 2018, 30, e1705670.	11.1	334
2280	3D Hybrids of Interconnected Porous Carbon Nanosheets/Vertically Aligned Polyaniline Nanowires for High-Performance Supercapacitors. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800106.	1.9	39
2281	A Flexible and Ultrahigh Energy Density Capacitor via Enhancing Surface/Interface of Carbon Cloth Supported Colloids. <i>Advanced Energy Materials</i> , 2018, 8, 1703329.	10.2	61
2282	Applications of KPFM-Based Approaches for Surface Potential and Electrochemical Measurements in Liquid. <i>Springer Series in Surface Sciences</i> , 2018, , 391-433.	0.3	3
2283	Wide potential window and high specific capacitance triggered via rough NiCo <sub>2</sub> S <sub>4</sub> nanorod arrays with open top for symmetric supercapacitors. <i>Electrochimica Acta</i> , 2018, 269, 397-404.	2.6	72
2284	Triethylenediamine-assisted one-step hydrothermal synthesis of polyhedron-shaped Co <sub>3</sub> S <sub>4</sub> for high performance supercapacitor. <i>Ceramics International</i> , 2018, 44, 1836-1842.	2.3	17
2285	Overview of nanostructured metal oxides and pure nickel oxide (NiO) electrodes for supercapacitors: A review. <i>Journal of Alloys and Compounds</i> , 2018, 734, 89-111.	2.8	381
2286	CoO nanoparticles deposited on 3D macroporous ozonized RGO networks for high rate capability and ultralong cyclability of pseudocapacitors. <i>Ceramics International</i> , 2018, 44, 980-987.	2.3	41
2287	Electrospun mulberry-like hierarchical carbon fiber web for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 713-721.	5.0	33
2288	Fabrication and Engineering of Nanostructured Supercapacitor Electrodes Using Electromagnetic Field-Based Techniques. <i>Advanced Materials Technologies</i> , 2018, 3, 1700168.	3.0	12
2289	Optimized core-shell polypyrrole-coated NiCo <sub>2</sub> O <sub>4</sub> nanowires as binder-free electrode for high-energy and durable aqueous asymmetric supercapacitor. <i>Journal of Materials Science</i> , 2018, 53, 2658-2668.	1.7	40
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2296	New Insights into the Operating Voltage of Aqueous Supercapacitors. Chemistry - A European Journal, 2018, 24, 3639-3649.	1.7	211
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2298	Synthesis and characterization of activated carbon/conducting polymer composite electrode for supercapacitor applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 914-921.	1.1	24
2299	Enhanced performance of PbO nanoparticles and PbO-CdO and PbO-ZnO nanocomposites for supercapacitor application. Journal of Alloys and Compounds, 2018, 731, 55-63.	2.8	34
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2302	Fabrication of completely interface-engineered Ni(OH) <sub>2</sub> /rGO nanoarchitectures for high-performance asymmetric supercapacitors. Applied Surface Science, 2018, 460, 65-73.	3.1	38
2303	Decoration NiCo <sub>2</sub> S <sub>4</sub> nanoflakes onto Ppy nanotubes as core-shell heterostructure material for high-performance asymmetric supercapacitor. Chemical Engineering Journal, 2018, 333, 111-121.	6.6	206
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2307	A novel cobalt hexacyanoferrate/multi-walled carbon nanotubes nanocomposite: Spontaneous assembly synthesis and application as electrode materials with significantly improved capacitance for supercapacitors. Electrochimica Acta, 2018, 259, 793-802.	2.6	55
2308	Tubular TiO <sub>2</sub> Nanostructures: Toward Safer Microsupercapacitors. Advanced Materials Technologies, 2018, 3, 1700194.	3.0	9



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2313	Two- and three-dimensional graphene-based hybrid composites for advanced energy storage and conversion devices. Journal of Materials Chemistry A, 2018, 6, 702-734.	5.2	126
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2318	In-Plane Assembled Orthorhombic Nb <sub>2</sub> O <sub>5</sub> Nanorod Films with High-Rate Li <sup>+</sup> Intercalation for High-Performance Flexible Ion Capacitors. Advanced Functional Materials, 2018, 28, 1704330.	7.8	207
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2320	Self-supporting activated carbon/carbon nanotube/reduced graphene oxide flexible electrode for high performance supercapacitor. Carbon, 2018, 129, 236-244.	5.4	244
2321	Fabrication of nitrogen-doped porous electrically conductive carbon aerogel from waste cabbage for supercapacitors and oil/water separation. Journal of Materials Science: Materials in Electronics, 2018, 29, 4334-4344.	1.1	48
2322	A green and scalable route to yield porous carbon sheets from biomass for supercapacitors with high capacity. Journal of Materials Chemistry A, 2018, 6, 1244-1254.	5.2	360
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2328	Porous carbon with interpenetrating framework from Osmanthus flower as electrode materials for high-performance supercapacitor. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 258-265.	3.3	35
2329	In Situ Synthesis of Nitrogen- and Sulfur-Enriched Hierarchical Porous Carbon for High-Performance Supercapacitor. <i>Energy &amp; Fuels</i> , 2018, 32, 908-915.	2.5	37
2330	Hollow carbon microtubes from kapok fiber: structural evolution and energy storage performance. <i>Sustainable Energy and Fuels</i> , 2018, 2, 455-465.	2.5	63
2331	Electrochemical performances of iron-cobalt oxides nanoparticles loaded crumpled graphene for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2018, 735, 2030-2037.	2.8	43
2332	A general in-situ etching and synchronous heteroatom doping strategy to boost the capacitive performance of commercial carbon fiber cloth. <i>Chemical Engineering Journal</i> , 2018, 335, 638-646.	6.6	34
2333	PVP-assisted enhancement in ion storage performance of sol-gel derived nano-structured NiCo <sub>2</sub> O <sub>4</sub> thin films as battery-type electrode. <i>Materials Research Bulletin</i> , 2018, 99, 336-342.	2.7	23
2334	Biowaste-derived 3D honeycomb-like porous carbon with binary-heteroatom doping for high-performance flexible solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 160-166.	5.2	139
2335	Urchin-like FeOOH hollow microspheres decorated with MnO <sub>2</sub> for enhanced supercapacitor performance. <i>Science China Materials</i> , 2018, 61, 48-56.	3.5	23
2336	Vanadium dioxide for energy conservation and energy storage applications: Synthesis and performance improvement. <i>Applied Energy</i> , 2018, 211, 200-217.	5.1	118
2337	Three-dimensional interconnected MnCo <sub>2</sub> O <sub>4</sub> nanosheets@MnMoO <sub>4</sub> nanosheets core-shell nanoarrays on Ni foam for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 336, 64-73.	6.6	80
2338	Hierarchical CoFe <sub>2</sub> O <sub>4</sub> /NiFe <sub>2</sub> O <sub>4</sub> nanocomposites with enhanced electrochemical capacitive properties. <i>Journal of Materials Science</i> , 2018, 53, 2648-2657.	1.7	53
2339	Conductive Microporous Covalent Triazine-Based Framework for High-Performance Electrochemical Capacitive Energy Storage. <i>Angewandte Chemie</i> , 2018, 130, 8124-8128.	1.6	67
2340	Conductive Microporous Covalent Triazine-Based Framework for High-Performance Electrochemical Capacitive Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7992-7996.	7.2	193
2341	Insight into capacitive performance of polyaniline/graphene oxide composites with ecofriendly binder. <i>Applied Surface Science</i> , 2018, 435, 91-101.	3.1	36
2342	Skeleton/skin structured (RGO/CNTs)@PANI composite fiber electrodes with excellent mechanical and electrochemical performance for all-solid-state symmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 295-303.	5.0	44
2343	Facile synthesis of hollow Ni <sub>0.2</sub> Mn <sub>0.8</sub> O <sub>1.5</sub> twin microspheres for electrochemical energy storage. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 15-26.	1.5	5
2344	Plasmonic Optical Fibre Sensors for Electrochemical Activities Monitoring in Energy Storage Devices. <i>Journal of Physics: Conference Series</i> , 2018, 1065, 202010.	0.3	0

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2346	Preparation and Characterization of Activated Carbons from Oxygen-rich Lignite for Electric Double-layer Capacitor. <i>International Journal of Electrochemical Science</i> , 2018, 13, 2800-2816.	0.5	19
2347	Microstructure Investigation of Polyaniline (PANI) Conductive Polymer Synthesized through Chemical Polymerization. <i>Journal of Physics: Conference Series</i> , 2018, 1123, 012014.	0.3	0
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2349	Nanoionic transport and electric double layer formation at the electrode/polymer interface for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23650-23658.	5.2	14
2350	Crystal morphology evolution of Ni <sup>2+</sup> /Co layered double hydroxide nanostructure towards high-performance biotemplate asymmetric supercapacitors. <i>CrystEngComm</i> , 2018, 20, 7428-7434.	1.3	70
2351	Tracking the interfacial charge transfer behavior of hydrothermally synthesized ZnO nanostructures via complementary electrogravimetric methods. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27140-27148.	1.3	7
2352	3D Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> aerogels with enhanced surface area for high performance supercapacitors. <i>Nanoscale</i> , 2018, 10, 20828-20835.	2.8	105
2353	Nitrogen-doped micro-nano carbon spheres with multi-scale pore structure obtained from interpenetrating polymer networks for electrochemical capacitors. <i>RSC Advances</i> , 2018, 8, 35083-35093.	1.7	3
2354	Nanowires of polyaniline festooned silver coated paper electrodes for efficient solid-state symmetrical supercapacitors. <i>RSC Advances</i> , 2018, 8, 33314-33324.	1.7	10
2355	Porous NiCoP <i>in situ</i> grown on Ni foam using molten-salt electrodeposition for asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23746-23756.	5.2	74
2356	Zippering assembly of an Fe <sub>3</sub> O <sub>4</sub> /carbon nanosheet composite as a high-performance supercapacitor electrode material. <i>RSC Advances</i> , 2018, 8, 37417-37423.	1.7	7
2357	Methane adsorption and methanol desorption of copper modified boron silicate. <i>RSC Advances</i> , 2018, 8, 36369-36374.	1.7	3
2358	Two-dimensional Pd <sub>3</sub> P <sub>2</sub> S <sub>8</sub> semiconductors as photocatalysts for the solar-driven oxygen evolution reaction: a theoretical investigation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23495-23501.	5.2	51
2359	Chapter Activity Committee, Awards and Amateur Radio News, and New Chapters [Chapter News]. <i>IEEE Antennas and Propagation Magazine</i> , 2018, 60, 8-136.	1.2	0
2360	Advances in Molecular Electronics: A Brief Review. <i>Engineering</i> , 2018, 4, 760-771.	3.2	65
2361	Hierarchical Flowerlike 3D nanostructure of Co <sub>3</sub> O <sub>4</sub> @MnO <sub>2</sub> /N-doped Graphene oxide (NGO) hybrid composite for a high-performance supercapacitor. <i>Scientific Reports</i> , 2018, 8, 16543.	1.6	71
2362	Ternary core-shell structured transition metal chalcogenide for hybrid electrochemical capacitor. <i>Chinese Chemical Letters</i> , 2018, 29, 1799-1803.	4.8	26

#	ARTICLE	IF	CITATIONS
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2364	A Flexible Supercapacitor with High True Performance. <i>IScience</i> , 2018, 9, 138-148.	1.9	17
2365	Graphene Oxide/MnO <sub>2</sub> Composites Synthesized by "Quenching" for Supercapacitors with High Capacitance. <i>Solid State Phenomena</i> , 0, 278, 121-129.	0.3	1
2366	Efficient Super Capacitors fuelled by smart thermoelectric cloths to charge smart devices. , 2018, , .		0
2367	Nickel/cobalt based materials for supercapacitors. <i>Chinese Chemical Letters</i> , 2018, 29, 1731-1740.	4.8	79
2368	Synthesis and characterization of 3D CoMoO <sub>4</sub> /rGO aerogel for supercapacitor electrodes. , 2018, , .		1
2369	Short-term memory in electric double-layer capacitors. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	41
2370	Stretchable and Compressible Supercapacitor with Polyaniline on Hydrogel Electrolyte. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3792-A3798.	1.3	17
2371	Enhanced Electrochemical Performance of Carbon Nanotube with Nitrogen and Iron Using Liquid Phase Plasma Process for Supercapacitor Applications. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3830.	1.8	6
2372	Fabrication and Characterization of Supercapacitors toward Self-Powered System. , 0, , .		4
2373	N/P Codoped Porous Carbon-Coated Graphene Nanohybrid as a High-Performance Electrode for Supercapacitors. <i>ACS Applied Nano Materials</i> , 2018, 1, 6742-6751.	2.4	33
2374	VO <sub>2</sub> (B)/Graphene Composite-Based Symmetrical Supercapacitor Electrode via Screen Printing for Intelligent Packaging. <i>Nanomaterials</i> , 2018, 8, 1020.	1.9	22
2375	A pH dependent high voltage aqueous supercapacitor with dual electrolytes. <i>Chemical Physics Letters</i> , 2018, 712, 160-164.	1.2	12
2376	Multi-compositional hierarchical nanostructured Ni <sub>3</sub> S <sub>2</sub> @MoS <sub>x</sub> /NiO electrodes for enhanced electrocatalytic hydrogen generation and energy storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20491-20499.	5.2	25
2377	Strong interface coupling and few-crystalline MnO <sub>2</sub> /Reduced graphene oxide composites for supercapacitors with high cycle stability. <i>Electrochimica Acta</i> , 2018, 292, 115-124.	2.6	50
2378	Enhancement of Bromine Reversibility using Chemically Modified Electrodes and their Applications in Zinc Bromine Hybrid Redox Flow Batteries. <i>ChemElectroChem</i> , 2018, 5, 3411-3418.	1.7	24
2379	Advances in Flexible Supercapacitors for Portable and Wearable Smart Gadgets. , 2018, , 209-246.		5
2380	Effect of Rare Earth Doping on Electrochemical Properties of Fe <sub>2</sub> O <sub>3</sub> Nanoparticle for Supercapacitor. <i>Solid State Phenomena</i> , 0, 281, 743-747.	0.3	1

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2382	Origins and Implications of Interfacial Capacitance Enhancements in C <sub>60</sub> -Modified Graphene Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 36860-36865.	4.0	23
2383	Facile preparation of hierarchical vanadium pentoxide (V <sub>2</sub> O <sub>5</sub> )/titanium dioxide (TiO <sub>2</sub> ) heterojunction composite nano-arrays for high performance supercapacitor. Journal of Power Sources, 2018, 404, 47-55.	4.0	42
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2387	Metal oxides in supercapacitors. , 2018, , 169-203.		38
2388	One Step Hydrothermal Synthesis of Flower-shaped Co <sub>3</sub> O <sub>4</sub> Nanorods on Nickel Foam as Supercapacitor Materials and Their Excellent Electrochemical Performance. Chemical Research in Chinese Universities, 2018, 34, 882-886.	1.3	17
2389	Phosphate Species up to 70% Mass Ratio for Enhanced Pseudocapacitive Properties. Small, 2018, 14, e1803811.	5.2	29
2390	High-performance Activated Carbons Prepared by KOH Activation of Gulfweed for Supercapacitors. International Journal of Electrochemical Science, 2018, 13, 1728-1743.	0.5	44
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2395	Wireless Sensor Network Utilizing Radio-Frequency Energy Harvesting for Smart Building Applications [Education Corner]. IEEE Antennas and Propagation Magazine, 2018, 60, 124-136.	1.2	27
2396	Nitrogen Self-Doped Hierarchical Porous Carbon from Myriophyllum Aquaticum for Supercapacitor Electrode. ChemistrySelect, 2018, 3, 11350-11356.	0.7	16
2397	Laser-Induced Reduction of Graphene Oxide by Intensity-Modulated Line Beam for Supercapacitor Applications. ACS Applied Materials & Interfaces, 2018, 10, 39777-39784.	4.0	56
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2401	Co <sub>3</sub> O <sub>4</sub> /carbon nano-onions composite as supercapacitor electrode and its excellent electrochemical performance. International Journal of Materials Research, 2018, 109, 873-879.	0.1	9
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2415	Flower-Shaped Self-Assembled Ni <sub>0.5</sub> Cu <sub>0.5</sub> Co <sub>2</sub> O <sub>4</sub> Porous Architecture: A Ternary Metal Oxide as a High-Performance Charge Storage Electrode Material. ACS Applied Nano Materials, 2018, 1, 5812-5822.	2.4	35
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2418	Controlled Air- $\text{Etching}$ Synthesis of Porous Carbon Nanotube Aerogels with Ultrafast Charging at 1000 A g <sup>-1</sup> . <i>Small</i> , 2018, 14, e1802394.	5.2	37
2419	Facile preparation of reduced graphene oxide/polypyrrole nanocomposites with urchin-like microstructure for wide-potential-window supercapacitors. <i>Electrochimica Acta</i> , 2018, 289, 238-247.	2.6	33
2420	Long-term-stable, solution-processable, electrochromic carbon nanotubes/polymer composite for smart supercapacitor with wide working potential window. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18994-19003.	5.2	55
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2422	Investigation of hydroxide ion-conduction in solid polymer electrolytes via electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2018, 288, 1-11.	2.6	4
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2424	Electrochemical Performance of Few-Layer Graphene Nano-Flake Supercapacitors Prepared by the Vacuum Kinetic Spray Method. <i>Coatings</i> , 2018, 8, 302.	1.2	24
2425	Employment of ultra-thin carbon layer-coated porous tin oxide as anode in lithium-ion capacitor. <i>Applied Surface Science</i> , 2018, 461, 161-170.	3.1	13
2426	Nitrogen and sulfur co-doped graphene aerogel for high performance supercapacitors. <i>RSC Advances</i> , 2018, 8, 18966-18971.	1.7	19
2427	Three-dimensional reduced-graphene/MnO <sub>2</sub> prepared by plasma treatment as high-performance supercapacitor electrodes. <i>Materials Research Express</i> , 2018, 5, 065504.	0.8	8
2428	Facile synthesis of functionalized graphene hydrogel for high performance supercapacitor with high volumetric capacitance and ultralong cycling stability. <i>Applied Surface Science</i> , 2018, 455, 683-695.	3.1	67
2429	Ordered mesoporous carbons obtained by soft-templating of tannin in mild conditions. <i>Microporous and Mesoporous Materials</i> , 2018, 270, 127-139.	2.2	54
2430	Band gap-Tunable Porous Borocarbonitride Nanosheets for High Energy-Density Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 19588-19597.	4.0	86
2431	Pitch-based porous aerogel composed of carbon onion nanospheres for electric double layer capacitors. <i>Carbon</i> , 2018, 137, 304-312.	5.4	31
2432	Molten salt synthesis of Mn <sub>2</sub> O <sub>3</sub> nanoparticle as a battery type positive electrode material for hybrid capacitor in KNO <sub>3</sub> -NaNO <sub>2</sub> -NaNO <sub>3</sub> melts. <i>Chemical Engineering Journal</i> , 2018, 349, 613-621.	6.6	16
2433	Hierarchical porous carbons from a sodium alginate/bacterial cellulose composite for high-performance supercapacitor electrodes. <i>Applied Surface Science</i> , 2018, 455, 795-807.	3.1	52
2434	Construction of hierarchical zinc cobalt sulfide@nickel sulfide core-shell nanosheet arrays for high-performance asymmetric solid-state supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 349, 397-407.	6.6	45

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2436	Electrochemical Double-Layer Capacitor Energized by Adding an Ambipolar Organic Redox Radical into the Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8214-8218.	7.2	59
2437	Hierarchical carbon-decorated Fe <sub>3</sub> O <sub>4</sub> on hollow CuO nanotube array: Fabrication and used as negative material for ultrahigh-energy density hybrid supercapacitor. <i>Chemical Engineering Journal</i> , 2018, 349, 491-499.	6.6	67
2438	Microwave synthesis of mesoporous CuCo <sub>2</sub> S <sub>4</sub> nanoparticles for supercapacitor applications. <i>Materials Chemistry and Physics</i> , 2018, 215, 121-126.	2.0	42
2439	Hierarchical multidimensional MnO <sub>2</sub> via hydrothermal synthesis for high performance supercapacitors. <i>Electrochimica Acta</i> , 2018, 281, 525-533.	2.6	61
2440	Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> -foam as free-standing electrode for supercapacitor with improved electrochemical performance. <i>Ceramics International</i> , 2018, 44, 13901-13907.	2.3	31
2441	Efficient utilization of oxygen-vacancies-enabled NiCo <sub>2</sub> O <sub>4</sub> electrode for high-performance asymmetric supercapacitor. <i>Electrochimica Acta</i> , 2018, 279, 269-278.	2.6	52
2442	Camellia pollen-derived carbon for supercapacitor electrode material. <i>Journal of Power Sources</i> , 2018, 394, 9-16.	4.0	83
2443	Synthesis and Characterization of GO/M <sub>2</sub> O <sub>5</sub> Thin Film Supercapacitor. <i>Synthetic Metals</i> , 2018, 242, 37-48.	2.1	27
2444	Enhancement of $\beta$ -phase crystallization and electrical properties of PVDF by impregnating ultra high diluted novel metal derived nanoparticles: prospect of use as a charge storage device. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14535-14545.	1.1	13
2445	The way to improve the energy density of supercapacitors: Progress and perspective. <i>Science China Materials</i> , 2018, 61, 1517-1526.	3.5	102
2446	Safe and high-rate supercapacitors based on an acetonitrile/water in salt-hybrid electrolyte. <i>Energy and Environmental Science</i> , 2018, 11, 3212-3219.	15.6	297
2447	Graphitization induced by KOH etching for the fabrication of hierarchical porous graphitic carbon sheets for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14170-14177.	5.2	66
2448	Review "Advent of TiO <sub>2</sub> Nanotubes as Supercapacitor Electrode. <i>Journal of the Electrochemical Society</i> , 2018, 165, E345-E358.	1.3	65
2449	Value added porous carbon from leather wastes as potential supercapacitor electrode using neutral electrolyte. <i>Journal of Cleaner Production</i> , 2018, 197, 930-936.	4.6	51
2450	Robust Nanocomposite of Nitrogen-Doped Reduced Graphene Oxide and MnO <sub>2</sub> Nanorods for High-Performance Supercapacitors and Nonenzymatic Peroxide Sensors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10489-10504.	3.2	57
2451	Capacitive performance of vertically aligned reduced titania nanotubes coated with Mn <sub>2</sub> O <sub>3</sub> by reverse pulse electrodeposition. <i>RSC Advances</i> , 2018, 8, 23040-23047.	1.7	11
2452	In situ fabrication of Ni(OH) <sub>2</sub> /Cu <sub>2</sub> O nanosheets on nanoporous NiCu alloy for high performance supercapacitor. <i>Electrochimica Acta</i> , 2018, 283, 970-978.	2.6	28

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2453	General ion-exchanged method synthesized 3D heterostructured MCo <sub>2</sub> O <sub>4</sub> /Co <sub>3</sub> O <sub>4</sub> nanocomposites (M=) Tj ETQq0,0,0 rgBT /Qverlock 1	2.8	11
2454	Ion Correlation and Collective Dynamics in BMIM/BF <sub>4</sub> -Based Organic Electrolytes: From Dilute Solutions to the Ionic Liquid Limit. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7154-7169.	1.2	60
2455	Stabilizing NiCo <sub>2</sub> O <sub>4</sub> hybrid architectures by reduced graphene oxide interlayers for improved cycling stability of hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22106-22114.	5.2	88
2456	A flexible all-solid-state asymmetric supercapacitors based on hierarchical carbon cloth@CoMoO <sub>4</sub> @NiCo layered double hydroxide core-shell heterostructures. <i>Chemical Engineering Journal</i> , 2018, 352, 29-38.	6.6	259
2457	Conversion of biomass waste to multi-heteroatom-doped carbon networks with high surface area and hierarchical porosity for advanced supercapacitors. <i>Journal of Materials Science</i> , 2018, 53, 14536-14547.	1.7	44
2458	Hierarchical micro/nanostructured WO <sub>3</sub> with structural water for high-performance pseudocapacitors. <i>Journal of Alloys and Compounds</i> , 2018, 765, 489-496.	2.8	22
2459	Graphene-like porous carbon nanosheets derived from <i>salvia splendens</i> for high-rate performance supercapacitors. <i>Journal of Power Sources</i> , 2018, 397, 1-10.	4.0	194
2460	Electrochemical properties of Ni(OH) <sub>2</sub> /MnO <sub>2</sub> on hybrid N-doped carbon structure as high-performance electrode material. <i>AIP Advances</i> , 2018, 8, .	0.6	3
2461	Hydrothermal growth of ferrous hydroxide terephthalate as a new positive electrode material for supercapacitors. <i>Dalton Transactions</i> , 2018, 47, 12056-12060.	1.6	1
2462	Transition Metal Oxides Anchored on Nitrogen-Enriched Carbon Ribbons for High-Performance Pseudocapacitors. <i>Chemistry - A European Journal</i> , 2018, 24, 16104-16112.	1.7	22
2463	Nitrogen-Doped Porous Carbon Derived from Carbazole-Substituted Tetraphenylethylene-Based Hypercrosslinked Polymer for High-Performance Supercapacitor. <i>ChemistrySelect</i> , 2018, 3, 8483-8490.	0.7	18
2464	Stacking-Controlled Assembly of Cabbage-Like Graphene Microsphere for Charge Storage Applications. <i>Small</i> , 2018, 14, 1801948.	5.2	10
2465	Hierarchical self-assembly flower-like ammonium nickel phosphate as high-rate performance electrode material for asymmetric supercapacitors with enhanced energy density. <i>Nanotechnology</i> , 2018, 29, 425401.	1.3	31
2466	Physical properties and potential applications of two-dimensional metallic transition metal dichalcogenides. <i>Coordination Chemistry Reviews</i> , 2018, 376, 1-19.	9.5	49
2467	Single-Step Direct Hydrothermal Growth of NiMoO <sub>4</sub> Nanostructured Thin Film on Stainless Steel for Supercapacitor Electrodes. <i>Nanomaterials</i> , 2018, 8, 563.	1.9	12
2468	Phosphate ion functionalization of Co(OH) <sub>2</sub> nanosheets by a simple immersion method. <i>Journal of Alloys and Compounds</i> , 2018, 768, 57-64.	2.8	19
2469	Engineered Nanomaterials for Energy Applications. , 2018, , 751-767.		13
2470	Facile synthesis of hierarchical mesoporous beta-manganese dioxide nanoflowers with extremely high specific surface areas for high-performance electrochemical capacitors. <i>Electrochimica Acta</i> , 2018, 284, 52-59.	2.6	12

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2471	Assembly of mesoporous SnO <sub>2</sub> spheres and carbon nanotubes network as a high-performance anode for lithium-ion batteries. <i>Journal of Materials Science</i> , 2018, 53, 15621-15630.	1.7	17
2472	Electro-exfoliation of graphite for large scale production of graphene and its composite with PANI for application in supercapacitors. <i>Materials Research Express</i> , 2018, 5, 095602.	0.8	2
2473	Waste soybean dreg-derived N/O co-doped hierarchical porous carbon for high performance supercapacitor. <i>Electrochimica Acta</i> , 2018, 284, 336-345.	2.6	130
2474	Flexible Electronics Based on Micro/Nanostructured Paper. <i>Advanced Materials</i> , 2018, 30, e1801588.	11.1	249
2475	Synergistic effects of engineered spinel hetero-metallic cobaltites on electrochemical pseudo-capacitive behaviors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15033-15039.	5.2	13
2476	Pre-Lithiation Strategies for Rechargeable Energy Storage Technologies: Concepts, Promises and Challenges. <i>Batteries</i> , 2018, 4, 4.	2.1	251
2477	Component-controllable bimetallic nickel cobalt selenides (Ni <sub>1-x</sub> Co <sub>x</sub> ) <sub>0.85</sub> Se for high performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2018, 766, 527-535.	2.8	23
2478	One-step controlled synthesis of hierarchical hollow Ni <sub>3</sub> S <sub>2</sub> /NiS@Ni <sub>3</sub> S <sub>4</sub> core/shell submicrospheres for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2018, 283, 664-675.	2.6	87
2479	High Piezoelectric Conversion Properties of Axial InGaN/GaN Nanowires. <i>Nanomaterials</i> , 2018, 8, 367.	1.9	14
2480	Three-Dimensional Honeycomb-Like Porous Carbon with Both Interconnected Hierarchical Porosity and Nitrogen Self-Doping from Cotton Seed Husk for Supercapacitor Electrode. <i>Nanomaterials</i> , 2018, 8, 412.	1.9	52
2481	Cutting-Processed Single-Wall Carbon Nanotubes with Additional Edge Sites for Supercapacitor Electrodes. <i>Nanomaterials</i> , 2018, 8, 464.	1.9	8
2482	An Organo-Fluorine Compound Mixed Electrolyte for Ultrafast Electric Double Layer Supercapacitors. <i>ChemElectroChem</i> , 2018, 5, 2767-2773.	1.7	14
2483	Morphology-dependent electrochemical performance of spinel-cobalt oxide nanomaterials towards lithium-ion batteries. <i>Electrochimica Acta</i> , 2018, 283, 1668-1678.	2.6	22
2484	Hexagonal WO <sub>3</sub> Nanorods as Ambipolar Electrode Material in Asymmetric WO <sub>3</sub> /WO <sub>3</sub> /MnO <sub>2</sub> Supercapacitor. <i>Journal of the Electrochemical Society</i> , 2018, 165, A2108-A2114.	1.3	22
2485	Fabrication of hierarchical NiCo <sub>2</sub> O <sub>4</sub> @NiCo <sub>2</sub> S <sub>4</sub> core/shell nanowire arrays by an ion-exchange route and application to asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2018, 767, 232-240.	2.8	27
2486	One-pot synthesis of self-supported hierarchical urchin-like Ni <sub>3</sub> S <sub>2</sub> with ultrahigh areal pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22115-22122.	5.2	44
2487	Hierarchical NiCo <sub>2</sub> O <sub>4</sub> single-crystalline nanoflake arrays on Ni foam for supercapacitors and Li-ion batteries application. <i>Journal of Alloys and Compounds</i> , 2018, 766, 952-958.	2.8	17
2488	Conductive two-dimensional metal-organic frameworks as multifunctional materials. <i>Chemical Communications</i> , 2018, 54, 7873-7891.	2.2	373

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2489	Hierarchical nickel nanowire@NiCo <sub>2</sub> S <sub>4</sub> nanowhisker composite arrays with a test-tube-brush-like structure for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15284-15293.	5.2	77
2490	One-Step Controllable Synthesis of Mesoporous MgCo <sub>2</sub> O <sub>4</sub> Nanosheet Arrays with Ethanol on Nickel Foam as an Advanced Electrode Material for High-Performance Supercapacitors. <i>Chemistry - A European Journal</i> , 2018, 24, 14982-14988.	1.7	37
2491	Preparation of the poly (3,4-ethylenedioxythiophene):poly(styrenesulfonate)@g-C <sub>3</sub> N <sub>4</sub> composite by a simple direct mixing method for supercapacitor. <i>Electrochimica Acta</i> , 2018, 283, 1468-1474.	2.6	25
2492	Redox-active, pyrene-based pristine porous organic polymers for efficient energy storage with exceptional cyclic stability. <i>Chemical Communications</i> , 2018, 54, 6796-6799.	2.2	56
2493	Nanoimprint lithography of nanoporous carbon materials for micro-supercapacitor architectures. <i>Nanoscale</i> , 2018, 10, 10109-10115.	2.8	51
2494	Porous NiCoMn ternary metal oxide/graphene nanocomposites for high performance hybrid energy storage devices. <i>Electrochimica Acta</i> , 2018, 279, 44-56.	2.6	47
2495	An extra-long-life supercapacitor based on NiO/C&S composite by decomposition of Ni-based coordination complex. <i>Materials and Design</i> , 2018, 153, 203-210.	3.3	16
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2497	Cellulose-Solvent-Assisted, One-Step Pyrolysis to Fabricate Heteroatoms-Doped Porous Carbons for Electrode Materials of Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7715-7724.	3.2	25
2498	Hierarchical CuCo <sub>2</sub> O <sub>4</sub> nanourchin supported by Ni foam with superior electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2018, 756, 68-75.	2.8	53
2499	Facile synthesis of ultrathin and perpendicular NiMn <sub>2</sub> O <sub>4</sub> nanosheets on reduced graphene oxide as advanced electrodes for supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1714-1720.	3.0	38
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2502	Yarn-form electrodes with high capacitance and cycling stability based on hierarchical nanostructured nickel-cobalt mixed oxides for weavable fiber-shaped supercapacitors. <i>Journal of Power Sources</i> , 2018, 400, 157-166.	4.0	33
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2504	Nest-like V <sub>3</sub> O <sub>7</sub> self-assembled by porous nanowires as an anode supercapacitor material and its performance optimization through bonding with N-doped carbon. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16475-16484.	5.2	32
2505	Facile hydrothermal synthesis of NiCo <sub>2</sub> O <sub>4</sub> -decorated filter carbon as electrodes for high performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2018, 285, 405-414.	2.6	51
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2509	Lithium Ferrites@Polydopamine Core-Shell Nanoparticles as a New Robust Negative Electrode for Advanced Asymmetric Supercapacitors. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800128.	1.2	8
2510	Designing pinecone-like and hierarchical manganese cobalt sulfides for advanced supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12782-12793.	5.2	93
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2513	Reduced graphene oxide-poly(methyl methacrylate) nanocomposite as a supercapacitor. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46685.	1.3	5
2514	A combined DFT and experimental study on the nucleation mechanism of NiO nanodots on graphene. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13717-13724.	5.2	17
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2518	Pore Structure-Dependent Mass Transport in Flow-through Electrodes for Water Remediation. <i>Environmental Science &amp; Technology</i> , 2018, 52, 7477-7485.	4.6	36
2519	Facile Synthesis of Mixed Metal-Organic Frameworks: Electrode Materials for Supercapacitors with Excellent Areal Capacitance and Operational Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 23063-23073.	4.0	199
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2521	Electroplating of polyaniline on carbon fiber cloth in a simple two electrode system: Application for the electrochemical filter in wastewater treatment. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
2522	Earth-abundant nanotubes with layered assembly for battery-type supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 350, 835-843.	6.6	24
2523	Aqueous supercapacitors based on carbonized silk electrodes. <i>RSC Advances</i> , 2018, 8, 22146-22153.	1.7	19
2524	Nanostructured porous carbons with high rate cycling and floating performance for supercapacitor application. <i>AIP Advances</i> , 2018, 8, .	0.6	20



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2526	Inorganic Nanofibers by Electrospinning Techniques and Their Application in Energy Conversion and Storage Systems. <i>Semiconductors and Semimetals</i> , 2018, 98, 1-70.	0.4	15
2527	An extra-long-life supercapacitor based on Co <sub>3</sub> O <sub>4</sub> /NiCo <sub>2</sub> O <sub>4</sub> /NiO/C&S composite by decomposition of Co/Ni-based coordination complex. <i>Journal of Alloys and Compounds</i> , 2018, 764, 684-690.	2.8	17
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2544	Porous polyaniline arrays oriented on functionalized carbon cloth as binder-free electrode for flexible supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113348.	1.9	27
2545	Hollow-tubular porous carbon derived from cotton with high productivity for enhanced performance supercapacitor. <i>Journal of Power Sources</i> , 2019, 438, 226936.	4.0	76
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2557	Nitrogen-doped porous carbon derived from ginkgo leaves with remarkable supercapacitance performance. <i>Diamond and Related Materials</i> , 2019, 98, 107475.	1.8	49
2558	Polyaniline coated 3D crosslinked carbon nanosheets for high-energy-density supercapacitors. <i>Applied Surface Science</i> , 2019, 493, 506-513.	3.1	21
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2562	New insight on the mechanism of electrochemical cycling effects in MnO <sub>2</sub> -based aqueous supercapacitor. <i>Journal of Power Sources</i> , 2019, 436, 226795.	4.0	46
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2564	An Asymmetric Supercapacitorâ€“Diode (CAPode) for Unidirectional Energy Storage. <i>Angewandte Chemie</i> , 2019, 131, 13194-13199.	1.6	6
2565	Designed Construction of Hierarchical CuCo <sub>2</sub> S <sub>4</sub> @Co(OH) <sub>2</sub> Coreâ€“Shell Nanoarrays as Electrode Materials for Highâ€“Performance Supercapacitors. <i>ChemistrySelect</i> , 2019, 4, 7751-7758.	0.7	6
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2568	Unveiling highly ambient-stable multilayered 1T-MoS <sub>2</sub> towards all-solid-state flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19152-19160.	5.2	71
2569	Dual Functionalized CuMOF-Based Composite for High-Performance Supercapacitors. <i>Inorganic Chemistry</i> , 2019, 58, 9844-9854.	1.9	39
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2574	Advanced materials and technologies for hybrid supercapacitors for energy storage â€“ A review. <i>Journal of Energy Storage</i> , 2019, 25, 100852.	3.9	417
2575	Morphology tuned synthesis of battery-type NiCo <sub>2</sub> O <sub>4</sub> for high performance hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 804, 1-9.	2.8	25
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2580	Ni-Bi-S nanosheets/Ni foam as a binder-free high-performance electrode for asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 378, 122162.	6.6	24
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2582	Encapsulating $V_2O_3$ Nanoparticles in Carbon Nanofibers with Internal Void Spaces for a Self-Supported Anode Material in Superior Lithium-Ion Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19483-19495.	3.2	41
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2586	Immobilization of Polyiodide Redox Species in Porous Carbon for Battery-Like Electrodes in Eco-Friendly Hybrid Electrochemical Capacitors. <i>Nanomaterials</i> , 2019, 9, 1413.	1.9	11
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2589	Controlled growth of polypyrrole microtubes on disposable pencil graphite electrode and their supercapacitor behavior. <i>Electrochimica Acta</i> , 2019, 324, 134875.	2.6	20
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2596	In situ and operando magnetic resonance imaging of electrochemical cells: A perspective. <i>Journal of Magnetic Resonance</i> , 2019, 308, 106600.	1.2	31
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2620	Porous materials of nitrogen doped graphene oxide@SnO <sub>2</sub> electrode for capable supercapacitor application. <i>Scientific Reports</i> , 2019, 9, 12622.	1.6	48
2621	Reduced graphene oxide/CoS <sub>2</sub> porous nanoparticle hybrid electrode material for supercapacitor application. <i>RSC Advances</i> , 2019, 9, 26637-26645.	1.7	23
2622	High-Performance Ni-Co Sulfide Nanosheet-Nanotubes Grown on Ni Foam as a Binder Free Electrode for Supercapacitors. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3082.	1.3	14
2623	Enhancing the electrochemical performance of nickel cobalt sulfides hollow nanospheres by structural modulation for asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 135-143.	5.0	56
2624	Fabrication of hierarchical core/shell MgCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> nanowall arrays on Ni-foam as high-rate electrodes for asymmetric supercapacitors. <i>Scientific Reports</i> , 2019, 9, 12557.	1.6	27
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2626	Implication of charge transfer property on the supercapacitive performance of manganese oxide originated through different synthesis routes. <i>Journal of Electroanalytical Chemistry</i> , 2019, 849, 113366.	1.9	0
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2630	Synthesis and improvement of photocatalytic performance of ZnMn <sub>2</sub> O <sub>4</sub> /ZnMgO composite layered microspheres. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	1
2631	Oxygen doped activated carbon/SnO <sub>2</sub> nanohybrid for high performance lithium-ion capacitor. <i>Journal of Electroanalytical Chemistry</i> , 2019, 850, 113398.	1.9	4
2632	A Rapid Synthesis of Mesoporous Mn <sub>2</sub> O <sub>3</sub> Nanoparticles for Supercapacitor Applications. <i>Coatings</i> , 2019, 9, 631.	1.2	42
2633	Salt-assisted pyrolysis of covalent organic frameworks to porous heteroatom-doped carbons for supercapacitive energy storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26829-26837.	5.2	33



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2635	Ultrasonication-assisted synthesis of novel strontium based mixed phase structures for supercapattery devices. <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104736.	3.8	81
2636	Three-dimensional honeycomb-like porous carbon strutted nickel phosphide grown by analogous gel blowing for aqueous asymmetric supercapacitor. <i>Journal of Energy Storage</i> , 2019, 25, 100872.	3.9	10
2637	Active electrode materials of graphene balls and their composites for supercapacitors: A perspective view. <i>Advanced Powder Technology</i> , 2019, 30, 3079-3087.	2.0	5
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2639	Synergy of Mn and Co in Slab-Based Nanocomposites for Hybrid Supercapacitors: Impact of Restacking Process on Electrochemical Properties. <i>ACS Applied Energy Materials</i> , 2019, 2, 7832-7842.	2.5	16
2640	Molecular Cooperative Assembly-Mediated Synthesis of Ultra-High-Performance Hard Carbon Anodes for Dual-Carbon Sodium Hybrid Capacitors. <i>ACS Nano</i> , 2019, 13, 11935-11946.	7.3	29
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2642	Fabrication of mesoporous TiVN powders and their electrochemical performance. <i>Journal of the Ceramic Society of Japan</i> , 2019, 127, 728-735.	0.5	6
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2645	Metallic CoO/Co heterostructures stabilized in an ultrathin amorphous carbon shell for high-performance electrochemical supercapacitive behaviour. <i>Journal of Materials Chemistry A</i> , 2019, 7, 372-380.	5.2	60
2646	Designing oxygen bonding between reduced graphene oxide and multishelled Mn <sub>3</sub> O <sub>4</sub> hollow spheres for enhanced performance of supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6686-6694.	5.2	103
2647	Low concentrated carbonaceous suspensions assisted with carboxymethyl cellulose as electrode for electrochemical flow capacitor. <i>European Physical Journal E</i> , 2019, 42, 8.	0.7	6
2648	An Ultra-High-Energy Density Supercapacitor; Fabrication Based on Thiol-functionalized Graphene Oxide Scrolls. <i>Nanomaterials</i> , 2019, 9, 148.	1.9	63
2649	Microstructures and capacitance performance of MnO <sub>2</sub> films fabricated by ultrasonic-assisted electrodeposition. <i>Applied Surface Science</i> , 2019, 478, 94-102.	3.1	34
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2653	Preparation of Fe-C nanofiber composites by metal organic complex and potential application in supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 4665-4675.	1.1	10
2654	Fabrication of 9.6%V High-performance Asymmetric Supercapacitors Stack Based on Nickel Hexacyanoferrate-derived Ni(OH) <sub>2</sub> Nanosheets and Bio-derived Activated Carbon. <i>Scientific Reports</i> , 2019, 9, 1104.	1.6	105
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2656	Uniform growth of Zn-Mn-Co ternary oxide nanoneedles for high-performance energy-storage applications. <i>Journal of Electroanalytical Chemistry</i> , 2019, 837, 39-47.	1.9	79
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2658	Nitrogen-Doped Hierarchically Porous Carbons Derived from Polybenzoxazine for Enhanced Supercapacitor Performance. <i>Nanomaterials</i> , 2019, 9, 131.	1.9	26
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2666	Facile Synthesis of Manganese Cobalt Oxide/Nickel Cobalt Oxide Composites for High-Performance Supercapacitors. <i>Frontiers in Chemistry</i> , 2018, 6, 661.	1.8	26
2667	Crystal structure of nickel manganese-layered double hydroxide@cobaltosic oxides on nickel foam towards high-performance supercapacitors. <i>CrystEngComm</i> , 2019, 21, 470-477.	1.3	68
2668	Covalently functionalized heterostructured carbon by redox-active <i>p</i> -phenylenediamine molecules for high-performance symmetric supercapacitors. <i>New Journal of Chemistry</i> , 2019, 43, 1688-1698.	1.4	22
2669	Enhanced electrochemical performance of the activated carbon electrodes with a facile and in-situ phosphoric acid modification. <i>Journal of Energy Storage</i> , 2019, 24, 100744.	3.9	2

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2671	Biowaste-derived carbon black applied to polyaniline-based high-performance supercapacitor microelectrodes: Sustainable materials for renewable energy applications. <i>Electrochimica Acta</i> , 2019, 316, 202-218.	2.6	45
2672	Understanding ageing mechanisms of porous carbons in non-aqueous electrolytes for supercapacitors applications. <i>Journal of Power Sources</i> , 2019, 434, 226734.	4.0	19
2673	Dynamic Ripples in Graphene Monolayer. <i>Springer Theses</i> , 2019, , 39-54.	0.0	0
2674	Layer-by-layer inkjet printing GO film anchored Ni(OH) <sub>2</sub> nanoflakes for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 375, 121988.	6.6	48
2675	Facile Hierarchical Growth of N-Doped Carbon-Coated NiCo <sub>2</sub> O <sub>4</sub> Nanowire Arrays on Ni Foam for Advanced Supercapacitor Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	3.2	4
2676	Fabrication of nitrogen-rich three-dimensional porous carbon composites with nanosheets and hollow spheres for efficient supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2082-2089.	3.0	12
2677	Palm Spathe Derived N-Doped Carbon Nanosheets as a High Performance Electrode for Li-Ion Batteries and Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	3.2	19
2678	Highly doped N, S-Codoped carbon nanomeshes for excellent electrocapacitive performance. <i>Journal of Alloys and Compounds</i> , 2019, 803, 704-710.	2.8	12
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2681	Polyethyleneimine-Mediated Fabrication of Two-Dimensional Cobalt Sulfide/Graphene Hybrid Nanosheets for High-Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 26235-26242.	4.0	35
2682	Metal-free multiporous carbon for electrochemical energy storage and electrocatalysis applications. <i>New Journal of Chemistry</i> , 2019, 43, 11653-11659.	1.4	31
2683	Preparation of porous carbons by templating method using Mg hydroxide for supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2019, 287, 101-106.	2.2	13
2684	Oxygen Groups Immobilized on Micropores for Enhancing the Pseudocapacitance. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11407-11414.	3.2	23
2685	Cs <sub>3</sub> Bi <sub>2</sub> I <sub>9</sub> as high-performance electrode material achieving high capacitance and stability in an economical supercapacitor. <i>JPhys Energy</i> , 2019, 1, 034001.	2.3	15
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2687	A honeycomb-like ZnO/SnO <sub>2</sub> nanocomposite on nickel foam for high-performance asymmetric supercapacitors. <i>New Journal of Chemistry</i> , 2019, 43, 10583-10589.	1.4	29

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2689	Highly compressible 3-D hierarchical porous carbon nanotube/metal organic framework/polyaniline hybrid sponges supercapacitors. <i>AIP Advances</i> , 2019, 9, .	0.6	18
2690	An interesting charge accumulation process of Bi <sub>12</sub> O <sub>15</sub> Cl <sub>6</sub> . <i>Journal of Electroanalytical Chemistry</i> , 2019, 846, 113169.	1.9	12
2691	Polyoxometalate/hydroquinone dual redox electrolyte for hybrid energy storage systems. <i>Energy Storage Materials</i> , 2019, 21, 427-438.	9.5	28
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2695	Efficiency of Thermally Assisted Capacitive Mixing and Deionization Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11334-11340.	3.2	13
2696	Tuning Ni/Al Ratio to Enhance Pseudocapacitive Charge Storage Properties of Nickel-Aluminum Layered Double Hydroxide. <i>Advanced Electronic Materials</i> , 2019, 5, 1900215.	2.6	39
2697	3D Hierarchical Boron-Doped Diamond-Multilayered Graphene Nanowalls as an Efficient Supercapacitor Electrode. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15458-15466.	1.5	35
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2699	Maize-like ionic liquid@polyaniline nanocomposites for high performance supercapacitor. <i>E-Polymers</i> , 2019, 19, 313-322.	1.3	8
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2701	Computational screening of electrolyte materials: status quo and open problems. <i>Current Opinion in Chemical Engineering</i> , 2019, 23, 58-69.	3.8	23
2702	High cell-potential and high-rate neutral aqueous supercapacitors using activated biocarbon: In situ electrochemical gas chromatography. <i>Electrochimica Acta</i> , 2019, 313, 31-40.	2.6	9
2703	Power management and effective energy storage of pulsed output from triboelectric nanogenerator. <i>Nano Energy</i> , 2019, 61, 517-532.	8.2	135
2704	Water-based synthesis of spiro-(1,1'-bipyrrrolidinium bis(fluorosulfonyl)imide electrolyte for high-voltage and low-temperature supercapacitor. <i>Chemical Engineering Journal</i> , 2019, 373, 1012-1019.	6.6	27
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2707	Reduced Faradaic Contributions and Fast Charging of Nanoporous Carbon Electrodes in a Concentrated Sodium Nitrate Aqueous Electrolyte for Supercapacitors. <i>Energy Technology</i> , 2019, 7, 1900430.	1.8	20
2708	Microwave-assisted green synthesis of manganese molybdate nanorods for high-performance supercapacitor. <i>Ionics</i> , 2019, 25, 4361-4370.	1.2	12
2709	The multi-structure NiCo <sub>2</sub> S <sub>4</sub> prepared by solvothermal method for supercapacitor accompanied with positron annihilation study. <i>Journal of Applied Physics</i> , 2019, 125, 175103.	1.1	12
2710	Controllable spatial engineering of flexible all-in-one graphene-based supercapacitors with various architectures. <i>Energy Storage Materials</i> , 2019, 23, 269-276.	9.5	22
2711	The effect of nanoscale architecture on ionic diffusion in rGo/aramid nanofiber structural electrodes. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	12
2712	Natural nanofibers stacked porous nitrogen-doped carbon nanosheets with promising capacitive performance. <i>Cellulose</i> , 2019, 26, 5395-5407.	2.4	2
2713	NiCo <sub>2</sub> S <sub>4</sub> Nanotubes Anchored 3D Nitrogen-Doped Graphene Framework as Electrode Material with Enhanced Performance for Asymmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11157-11165.	3.2	73
2714	Hybrid solar energy harvesting and storage devices: The promises and challenges. <i>Materials Today Energy</i> , 2019, 13, 22-44.	2.5	71
2715	High-performance asymmetric supercapacitor based on vanadium dioxide and carbonized iron-polyaniline electrodes. <i>AIP Advances</i> , 2019, 9, .	0.6	26
2716	Modified silicon nanowires@polypyrrole core-shell nanostructures by poly(3,4-ethylenedioxythiophene) for high performance on-chip micro-supercapacitors. <i>Applied Surface Science</i> , 2019, 487, 236-243.	3.1	20
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2718	Bimetallic NiCo <sub>2</sub> S <sub>4</sub> Nanoneedles Anchored on Mesocarbon Microbeads as Advanced Electrodes for Asymmetric Supercapacitors. <i>Nano-Micro Letters</i> , 2019, 11, 35.	14.4	83
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2720	Mesopore-Rich Activated Carbons for Electrical Double-Layer Capacitors by Optimal Activation Condition. <i>Nanomaterials</i> , 2019, 9, 608.	1.9	21
2721	Emerging applications of biochar-based materials for energy storage and conversion. <i>Energy and Environmental Science</i> , 2019, 12, 1751-1779.	15.6	481
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2723	Self-assembled three-dimensional hierarchical CoMoO <sub>4</sub> nanosheets on NiCo <sub>2</sub> O <sub>4</sub> for high-performance supercapacitor. <i>Journal of Alloys and Compounds</i> , 2019, 793, 418-424.	2.8	25

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2725	Rapid design of a core-shell-like metal hydroxide/oxide composite and activated carbon from biomass for high-performance supercapattery applications. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1707-1720.	3.0	19
2726	Binder-Free Hierarchical Urchin-like Manganese-Cobalt Selenide with High Electrochemical Energy Storage Performance. <i>ACS Applied Energy Materials</i> , 2019, 2, 3595-3604.	2.5	69
2727	A Phase Transformation-Resistant Electrode Enabled by a MnO <sub>2</sub> -Confined Effect for Enhanced Energy Storage. <i>Advanced Functional Materials</i> , 2019, 29, 1901342.	7.8	18
2728	Promising application of MOF as composite solid electrolytes via clathrates of ionic liquid. <i>Inorganica Chimica Acta</i> , 2019, 491, 128-131.	1.2	10
2729	Manganese oxide(α...ζ)/carbon hybrids with interesting morphologies as improved active materials for supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13623-13631.	3.8	12
2730	Molecular Investigation of Oxidized Graphene: Anatomy of the Double-Layer Structure and Ion Dynamics. <i>Journal of Physical Chemistry C</i> , 2019, 123, 12583-12591.	1.5	15
2731	Controlled synthesis of SnO <sub>2</sub> @NiCo <sub>2</sub> O <sub>4</sub> /nitrogen doped multiwalled carbon nanotube hybrids as an active electrode material for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 794, 186-194.	2.8	40
2732	Selenium vacancies enriched the performance of supercapacitors with excellent cycling stability via a simple chemical bath deposition method. <i>Dalton Transactions</i> , 2019, 48, 8254-8263.	1.6	21
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2735	Nitrogen-doped 3D web-like interconnected porous carbon prepared by a simple method for supercapacitors. <i>Ionics</i> , 2019, 25, 4333-4340.	1.2	8
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2737	Co <sup>2+</sup> induced phase transformation from $\hat{\Gamma}$ - to $\hat{\Gamma}$ -MnO <sub>2</sub> and their hierarchical $\hat{\Gamma}$ -MnO <sub>2</sub> @ $\hat{\Gamma}$ -MnO <sub>2</sub> nanostructures for efficient asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12661-12668.	5.2	43
2738	Comparative evaluation of PPyNF/CoOx and PPyNT/CoOx nanocomposites as battery-type supercapacitor materials via a facile and low-cost microwave synthesis approach. <i>Electrochimica Acta</i> , 2019, 311, 230-243.	2.6	30
2739	The application of transition metal cobaltites in electrochemistry. <i>Energy Storage Materials</i> , 2019, 23, 439-465.	9.5	48
2740	Mesoporous carbon cubes derived from fullerene crystals as a high rate performance electrode material for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12654-12660.	5.2	86
2741	Fe substitution in urchin-like NiCo <sub>2</sub> O <sub>4</sub> for energy storage devices. <i>RSC Advances</i> , 2019, 9, 7210-7217.	1.7	26



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2743	High Potential of Aerosol-Made 3D Graphene-Based Composites for Enhanced Energy Storage. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800832.	2.0	4
2744	Cobalt oxide-based nanoarchitectures for electrochemical energy applications. <i>Progress in Materials Science</i> , 2019, 103, 596-677.	16.0	166
2745	Sandwich-like NiCo layered double hydroxide/reduced graphene oxide nanocomposite cathodes for high energy density asymmetric supercapacitors. <i>Dalton Transactions</i> , 2019, 48, 5193-5202.	1.6	224
2746	From interpenetrating polymer networks to hierarchical porous carbons for advanced supercapacitor electrodes. <i>Chinese Chemical Letters</i> , 2019, 30, 1445-1449.	4.8	58
2747	Facile synthesis of hierarchical CoMoO <sub>4</sub> @Ni(OH) <sub>2</sub> core-shell nanotubes for bifunctional supercapacitors and oxygen electrocatalysts. <i>Journal of Alloys and Compounds</i> , 2019, 789, 684-692.	2.8	24
2749	A simple and scalable strategy for preparation of high density graphene for high volumetric performance supercapacitors. <i>Electrochimica Acta</i> , 2019, 305, 56-63.	2.6	23
2750	Synthesis of graphene on Ni foam with enhanced capacitive performance by embedding PS spacers. <i>Materials Technology</i> , 2019, 34, 499-505.	1.5	5
2751	Mesoporous NH <sub>4</sub> NiPO <sub>4</sub> ·H <sub>2</sub> O for High-Performance Flexible All-Solid-State Asymmetric Supercapacitors. <i>Frontiers in Chemistry</i> , 2019, 7, 118.	1.8	22
2752	Electrical characteristics of large state-of-the-art electrochemical capacitors. <i>Electrochimica Acta</i> , 2019, 307, 564-572.	2.6	12
2753	Effect of different pretreatment methods on sesame husk-based activated carbon for supercapacitors with aqueous and organic electrolytes. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7873-7882.	1.1	23
2754	Synthesis, characterization and charge storage properties of C <sub>60</sub> -fullerene microparticles as a flexible negative electrode for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8568-8576.	1.1	16
2755	High mass loading Ni-decorated Co <sub>9</sub> S <sub>8</sub> with enhanced electrochemical performance for flexible quasi-solid-state asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2019, 423, 106-114.	4.0	48
2756	Fabrication of Hierarchical NiMoO <sub>4</sub> /NiMoO <sub>4</sub> Nanoflowers on Highly Conductive Flexible Nickel Foam Substrate as a Capacitive Electrode Material for Supercapacitors with Enhanced Electrochemical Performance. <i>Energies</i> , 2019, 12, 1143.	1.6	26
2757	Designed cross-linking nanoporous Zn <sub>0.76</sub> Co <sub>0.24</sub> S @C-ZIF-Zn <sub>0.76</sub> Co <sub>0.24</sub> S core-shell nanosheet arrays on nickel foam for battery-type electrodes with high performance electrochemical energy storage. <i>Synthetic Metals</i> , 2019, 250, 136-145.	2.1	3
2758	High-performance supercapacitors based on hierarchically porous carbons with a three-dimensional conductive network structure. <i>Dalton Transactions</i> , 2019, 48, 5271-5284.	1.6	10
2759	Serrated-like NiCoO <sub>2</sub> nanoarrays on Ni foam for high-performance supercapacitors. <i>Applied Surface Science</i> , 2019, 481, 1220-1227.	3.1	31
2760	Formation of nickel-cobalt sulphide@graphene composites with enhanced electrochemical capacitive properties. <i>RSC Advances</i> , 2019, 9, 6946-6955.	1.7	10

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2761	Charge Storage by Electrochemical Reaction of Water Bilayers Absorbed on MoS <sub>2</sub> Monolayers. <i>Scientific Reports</i> , 2019, 9, 3980.	1.6	16
2762	Pulse Potentiostatic Deposition of Polyaniline Nanobumps on 3D Graphene Hydrogel for High-Performance Supercapacitor Electrode. <i>International Journal of Electrochemical Science</i> , 2019, , 3968-3977.	0.5	1
2763	The potassium hydroxide-urea synergy in improving the capacitive energy-storage performance of agar-derived carbon aerogels. <i>Carbon</i> , 2019, 147, 451-459.	5.4	46
2764	Synthesis of MnCo <sub>2</sub> O <sub>4</sub> @MnCo <sub>2</sub> S <sub>4</sub> core/shell micro-nanostructures on Ni foam for high performance asymmetric supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 570, 73-80.	2.3	47
2765	A low-cost "water-in-salt" electrolyte for a 2.3 V high-rate carbon-based supercapacitor. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7541-7547.	5.2	260
2766	A novel core-shell polyhedron Co <sub>3</sub> O <sub>4</sub> /MnCo <sub>2</sub> O <sub>4.5</sub> as electrode materials for supercapacitors. <i>Ceramics International</i> , 2019, 45, 12558-12562.	2.3	30
2767	Facile synthesis of nanowire and rectangular flakes of Co <sub>3</sub> O <sub>4</sub> onto Ni foam for high-performance asymmetric supercapacitors. <i>Ionics</i> , 2019, 25, 3875-3883.	1.2	4
2768	Construction of layered hierarchical CoMoO <sub>4</sub> nanostructured arrays for supercapacitors with enhanced areal capacitance. <i>Royal Society Open Science</i> , 2019, 6, 181592.	1.1	3
2769	Biomass derived interconnected hierarchical micro-meso-macro- porous carbon with ultrahigh capacitance for supercapacitors. <i>Carbon</i> , 2019, 147, 540-549.	5.4	374
2770	Polypyrrole nanostructures//activated carbon based electrode for energy storage applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7890-7900.	1.1	5
2771	Excellent Electrochemical Performances of Intrinsic Polyaniline Nanofibers Fabricated by Electrochemical Deposition. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 216-222.	0.4	11
2772	Bismuth oxide self-standing anodes with concomitant carbon dots welded graphene layer for enhanced performance supercapacitor-battery hybrid devices. <i>Chemical Engineering Journal</i> , 2019, 371, 327-336.	6.6	46
2773	Facile synthesis of N-doped activated carbon derived from cotton and CuCo <sub>2</sub> O <sub>4</sub> nanoneedle arrays electrodes for all-solid-state asymmetric supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9877-9887.	1.1	17
2774	Hierarchically Porous Carbons Derived from Metal-Organic Framework/Chitosan Composites for High-Performance Supercapacitors. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3583-3589.	1.7	19
2775	Ionic liquids to monitor the nano-structuration and the surface functionalization of material electrodes: a proof of concept applied to cobalt oxyhydroxide. <i>Nanoscale Advances</i> , 2019, 1, 2240-2249.	2.2	11
2776	Temperature-directed synthesis of N-doped carbon-based nanotubes and nanosheets decorated with Fe <sub>3</sub> O <sub>4</sub> , Fe <sub>3</sub> C nanomaterials. <i>Nanoscale</i> , 2019, 11, 9155-9162.	2.8	37
2777	The impact of carbonate solvents on the self-discharge, thermal stability and performance retention of high voltage electrochemical double layer capacitors. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9089-9097.	1.3	23
2778	Biomass-Derived Porous Carbon Materials for Supercapacitor. <i>Frontiers in Chemistry</i> , 2019, 7, 274.	1.8	162

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2779	N-doped graphene framework supported nickel cobalt oxide as supercapacitor electrode with enhanced performance. <i>Applied Surface Science</i> , 2019, 484, 135-143.	3.1	43
2780	Three-Dimensional Interconnected Binder-Free Mn <sup>2+</sup> /Ni <sup>2+</sup> S Nanosheets for High Performance Asymmetric Supercapacitor Devices with Exceptional Cyclic Stability. <i>ACS Applied Energy Materials</i> , 2019, 2, 3717-3725.	2.5	88
2781	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. <i>Nanoscale</i> , 2019, 11, 9598-9607.	2.8	90
2782	Hierarchical nitrogen-doped porous carbon/carbon nanotube composites for high-performance supercapacitor. <i>Superlattices and Microstructures</i> , 2019, 130, 50-60.	1.4	34
2783	â€œslidingâ€•on graphene: a novel concept to boost supercapacitor performance. <i>Nanoscale Horizons</i> , 2019, 4, 1077-1091.	4.1	22
2784	Preparation and electrochemical performance of nitrogen-enriched activated carbon derived from silkworm pupae waste. <i>RSC Advances</i> , 2019, 9, 9878-9886.	1.7	18
2785	Block copolymers for supercapacitors, dielectric capacitors and batteries. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 233001.	0.7	27
2786	Preparation of silicon oxideâ€•carbon composite from benzene and trimethoxyphenylsilane by a liquid phase plasma method for supercapacitor applications. <i>Applied Surface Science</i> , 2019, 481, 625-631.	3.1	9
2787	Self-supported core/shell Co <sub>3</sub> O <sub>4</sub> @Ni <sub>3</sub> S <sub>2</sub> nanowires for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2019, 311, 221-229.	2.6	49
2788	Supercapacitors with electrical gates. <i>Electrochimica Acta</i> , 2019, 307, 459-464.	2.6	16
2789	Simultaneous Electrochemical Deposition of Cobalt Complex and Poly(pyrrole) Thin Films for Supercapacitor Electrodes. <i>Scientific Reports</i> , 2019, 9, 5650.	1.6	43
2790	Unusual formation of NiCo <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> /nickel foam/MnO <sub>2</sub> sandwich as advanced electrodes for hybrid supercapacitors. <i>Dalton Transactions</i> , 2019, 48, 7403-7412.	1.6	28
2791	Electrolyte-Philic Electrode Material with a Functional Polymer Brush. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 16087-16095.	4.0	16
2792	Solid-state NMR and electrochemical dilatometry study of charge storage in supercapacitor with redox ionic liquid electrolyte. <i>Energy Storage Materials</i> , 2019, 20, 80-88.	9.5	19
2793	Three-dimensional MnCo <sub>2</sub> O <sub>4</sub> /graphene composites for supercapacitor with promising electrochemical properties. <i>Journal of Alloys and Compounds</i> , 2019, 792, 122-129.	2.8	81
2794	Vapor-assisted synthesis of hierarchical porous graphitic carbon materials towards energy storage devices. <i>Journal of Power Sources</i> , 2019, 425, 10-16.	4.0	24
2795	Co <sub>0.5</sub> Ni <sub>0.5</sub> MoO <sub>4</sub> Doubleâ€•Shelled Hollow Spheres with Enhanced Electrochemical Performance for Supercapacitors and Lithiumâ€•ion Batteries. <i>Energy Technology</i> , 2019, 7, 1801160.	1.8	10
2796	Preparation of Hierarchic Porous Films of Î±-MnO <sub>2</sub> Nanoparticles by Using the Breath Figure Technique and Application for Hybrid Capacitor Electrodes. <i>ACS Omega</i> , 2019, 4, 3827-3831.	1.6	12

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2798	Preparation and capacitive performance of modified carbon black-doped porous carbon nanofibers. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	0.8	8
2799	Zirconium-Based Materials for Electrochemical Energy Storage. <i>ChemElectroChem</i> , 2019, 6, 1949-1968.	1.7	5
2800	Block copolymer derived uniform mesopores enable ultrafast electron and ion transport at high mass loadings. <i>Nature Communications</i> , 2019, 10, 675.	5.8	213
2801	$\text{Fe}_2\text{O}_3$ Based Carbon Composite as Pure Negative Electrode for Application as Supercapacitor. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1301-1312.	1.0	37
2802	In situ growth of $\text{Co}_3\text{O}_4$ nanoflakes on reduced graphene oxide-wrapped Ni-foam as high performance asymmetric supercapacitor. <i>Electrochimica Acta</i> , 2019, 302, 327-337.	2.6	79
2803	Preparation of polyvinylidene fluoride-co-hexafluoropropylene-based polymer gel electrolyte and its performance evaluation for application in EDLCs. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	0.8	20
2804	$\text{Co}_2\text{S}_3$ hollow nanocubes derived from Co-Co Prussian blue analogue: High-performance electrode materials for supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2019, 836, 30-37.	1.9	53
2805	Nanofiber Cellulose-Incorporated Nanomesh Graphene-Carbon Nanotube Buckypaper and Ionic Liquid-Based Solid Polymer Electrolyte for Flexible Supercapacitors. <i>Energy Technology</i> , 2019, 7, 1900014.	1.8	7
2806	Scalable Production of Graphene Inks via Wet-Jet Milling Exfoliation for Screen-Printed Micro-Supercapacitors. <i>Advanced Functional Materials</i> , 2019, 29, 1807659.	7.8	174
2807	Advanced carbon electrode for electrochemical capacitors. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 1061-1081.	1.2	43
2808	A high energy density aqueous hybrid supercapacitor with widened potential window through multi approaches. <i>Nano Energy</i> , 2019, 59, 41-49.	8.2	203
2809	Facile fabrication of $\text{Ni}_{0.85}\text{Se}$ nanowires by the composite alkali salt method as a novel cathode material for asymmetric supercapacitors. <i>Dalton Transactions</i> , 2019, 48, 3906-3913.	1.6	17
2810	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. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7138-7150.	5.2	82
2811	In Situ X-ray Photoelectron Spectroscopic and Electrochemical Studies of the Bromide Anions Dissolved in 1-Ethyl-3-Methyl Imidazolium Tetrafluoroborate. <i>Nanomaterials</i> , 2019, 9, 304.	1.9	11
2812	Two-dimensional transition metal dichalcogenides in supercapacitors and secondary batteries. <i>Energy Storage Materials</i> , 2019, 19, 408-423.	9.5	189
2813	Polymer/block copolymer blending system as the compatible precursor system for fabrication of mesoporous carbon nanofibers for supercapacitors. <i>Journal of Power Sources</i> , 2019, 419, 137-147.	4.0	37
2814	Sustainable biowaste strategy to fabricate dual-doped carbon frameworks with remarkable performance for flexible solid-state supercapacitors. <i>Journal of Power Sources</i> , 2019, 418, 112-121.	4.0	54

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2816	Selective integration of hierarchical nanostructured energy materials: an effective approach to boost the energy storage performance of flexible hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6374-6386.	5.2	59
2817	In-situ preparation of nanostructured $\gamma$ -MnO <sub>2</sub> /polypyrrole hybrid composite electrode materials for high performance supercapacitor. <i>Journal of Alloys and Compounds</i> , 2019, 787, 1044-1050.	2.8	37
2818	Beyond Activated Carbon: Graphiteâ€Cathodeâ€Derived Liâ€Ion Pseudocapacitors with High Energy and High Power Densities. <i>Advanced Materials</i> , 2019, 31, e1807712.	11.1	67
2819	Analysis of Energy Storage System Requirements for Aircraft Electric Taxiing Operations. , 2019, , .		3
2820	In-situ continuous growth of carbon nanotubes on the surface of carbon fibres. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 354, 012077.	0.2	1
2821	Electrode Electrolyte Compatibility for Superior Performance of Super-Capacitor. , 2019, , .		3
2822	Superionic liquids in conducting nanoslits: A variety of phase transitions and ensuing charging behavior. <i>Journal of Chemical Physics</i> , 2019, 151, 184105.	1.2	9
2823	Nanoneedle-decorated NiCo-layered double hydroxide microspheres tuned as high-efficiency electrodes for pseudocapacitors. <i>CrystEngComm</i> , 2019, 21, 6985-6990.	1.3	12
2824	Selective design of binder-free hierarchical nickel molybdenum sulfide as a novel battery-type material for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25467-25480.	5.2	49
2825	A 2D metalâ€organic framework/reduced graphene oxide heterostructure for supercapacitor application. <i>RSC Advances</i> , 2019, 9, 36123-36135.	1.7	65
2826	$\gamma$ - and $\beta$ -Phase Ni-Mg Hydroxide for High Performance Hybrid Supercapacitors. <i>Nanomaterials</i> , 2019, 9, 1686.	1.9	21
2827	Graphiteâ€Aligned Ni/Ni(OH) <sub>2</sub> Nanowireâ€Based Aqueous Asymmetric Supercapacitors Exhibiting Excellent Cycle Stability, High Rate Performance, and Wide Operation Voltage. <i>ChemistrySelect</i> , 2019, 4, 13543-13550.	0.7	4
2828	Engineering doping-vacancy double defects and insights into the conversion mechanisms of an Mnâ€Oâ€F ultrafine nanowire anode for enhanced Li/Na-ion storage and hybrid capacitors. <i>Nanoscale Advances</i> , 2019, 1, 4669-4678.	2.2	9
2829	Towards fast-charging technologies in Li <sup>+</sup> /Na <sup>+</sup> storage: from the perspectives of pseudocapacitive materials and non-aqueous hybrid capacitors. <i>Nanoscale</i> , 2019, 11, 19225-19240.	2.8	44
2830	Construction of NiCo <sub>2</sub> S <sub>4</sub> @NiMoO <sub>4</sub> Coreâ€Shell Nanosheet Arrays with Superior Electrochemical Performance for Asymmetric Supercapacitors. <i>ChemElectroChem</i> , 2019, 6, 590-597.	1.7	49
2831	Lithium ion supercapacitor composed by Si-based anode and hierarchal porous carbon cathode with super long cycle life. <i>Applied Surface Science</i> , 2019, 463, 879-888.	3.1	21
2832	Toward high-performance all-solid-state supercapacitors using facilely fabricated graphite nanosheet-supported CoMoS <sub>4</sub> as electrode material. <i>Chemical Engineering Journal</i> , 2019, 355, 891-900.	6.6	50

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2834	Silica-grafted ionic liquid for maximizing the operational voltage of electrical double-layer capacitors. <i>Energy Storage Materials</i> , 2019, 18, 253-259.	9.5	18
2835	Ditungsten carbide nanoparticles embedded in electrospun carbon nanofiber membranes as flexible and high-performance supercapacitor electrodes. <i>Composites Communications</i> , 2019, 12, 21-25.	3.3	54
2836	Impact of process conditions on the electrochemical performances of NiMoO <sub>4</sub> nanorods and activated carbon based asymmetric supercapacitor. <i>Applied Surface Science</i> , 2019, 473, 807-819.	3.1	78
2837	Swallowâ€Nestâ€N-inspired Strategy towards Ultralight Functional Multiwallâ€Carbonâ€Nanotubeâ€Based Aerogels for Supercapacitors. <i>ChemElectroChem</i> , 2019, 6, 1661-1667.	1.7	1
2838	High-mass loading electrodes with exceptional areal capacitance and cycling performance through a hierarchical network of MnO <sub>2</sub> nanoflakes and conducting polymer gel. <i>Journal of Power Sources</i> , 2019, 412, 655-663.	4.0	27
2839	Low-Charge-Carrier-Scattering Three-Dimensional $\sqrt{2}$ -MnO <sub>2</sub> / $\sqrt{2}$ -MnO <sub>2</sub> Networks for Ultra-High-Rate Asymmetrical Supercapacitors. <i>ACS Applied Energy Materials</i> , 2019, 2, 1051-1059.	2.5	30
2840	Hierarchical 3D electrodes for electrochemical energy storage. <i>Nature Reviews Materials</i> , 2019, 4, 45-60.	23.3	554
2841	Cobalt-doped zinc manganese oxide porous nanocubes with controlled morphology as positive electrode for hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 361, 1030-1042.	6.6	74
2842	Hybrid energy storage devices: Advanced electrode materials and matching principles. <i>Energy Storage Materials</i> , 2019, 21, 22-40.	9.5	160
2843	Ultrathin Ni <sub>12</sub> P <sub>5</sub> nanoplates for supercapacitor applications. <i>Journal of Alloys and Compounds</i> , 2019, 782, 545-555.	2.8	21
2844	Enhanced energy density and stability of self-assembled cauliflower of Pd doped monoclinic WO <sub>3</sub> nanostructure supercapacitor. <i>Materials Chemistry and Physics</i> , 2019, 225, 192-199.	2.0	42
2845	Emerging opportunities for black phosphorus in energy applications. <i>Materials Today Energy</i> , 2019, 12, 1-25.	2.5	88
2846	Electrochemical Effects of Depositing Iridium Oxide Nanoparticles onto Conductive Woven and Nonwoven Flexible Substrates. <i>ACS Applied Energy Materials</i> , 2019, 2, 372-381.	2.5	6
2847	Fluorinated carbonaceous nanoparticles as active material in primary lithium battery. <i>Journal of Fluorine Chemistry</i> , 2019, 219, 1-9.	0.9	9
2848	Synthesis, characterization and electrochemical properties of cadmium sulfide â€Reduced graphene oxide nanocomposites. <i>Results in Physics</i> , 2019, 12, 878-885.	2.0	16
2849	High tap-density graphene cathode material for lithium-ion capacitors via a mass-scalable synthesis method. <i>Chemical Engineering Journal</i> , 2019, 360, 1233-1240.	6.6	15
2850	Preparation of urchin-like NiCo <sub>2</sub> O <sub>4</sub> material and studies of its electrochemical performance for supercapacitors. <i>Functional Materials Letters</i> , 2019, 12, 1950026.	0.7	3



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2852	Nickel self-doped iron oxide/manganese carbonate hierarchical 2D/3D structures for electrochemical energy storage. <i>Electrochimica Acta</i> , 2019, 297, 77-86.	2.6	20
2853	Textile-Based Triboelectric Nanogenerators for Self-Powered Wearable Electronics. <i>Advanced Functional Materials</i> , 2019, 29, 1804533.	7.8	148
2854	Synthesis of sulfonated graphene/carbon nanotubes/manganese dioxide composite with high electrochemical properties. <i>Ionics</i> , 2019, 25, 999-1006.	1.2	9
2855	One-Step Polyoxometalates-Assisted Synthesis of Manganese Dioxide for Asymmetric Supercapacitors with Enhanced Cycling Lifespan. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 258-264.	3.2	38
2856	Examination of High-Porosity Activated Carbon Obtained from Dehydration of White Sugar for Electrochemical Capacitor Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 537-546.	3.2	39
2857	Electrode based on nanoporous (Co-Ni)@(CoO,NiO) nanocomposites with ultrahigh capacitance after activation. <i>Journal of Alloys and Compounds</i> , 2019, 778, 239-246.	2.8	10
2858	ZnO@MOF@PANI core-shell nanoarrays on carbon cloth for high-performance supercapacitor electrodes. <i>Journal of Energy Chemistry</i> , 2019, 35, 124-131.	7.1	122
2859	Carbon electrode material from peanut shell by one-step synthesis for high performance supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 914-925.	1.1	34
2860	Design of organic supercapacitors with high performances using pore size controlled active materials. <i>Current Applied Physics</i> , 2019, 19, 89-96.	1.1	10
2861	Ternary nickel-cobalt selenide nanosheet arrays with enhanced electrochemical performance for hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 778, 848-857.	2.8	33
2862	N-doped mesoporous FeNx/carbon as ORR and OER bifunctional electrocatalyst for rechargeable zinc-air batteries. <i>Electrochimica Acta</i> , 2019, 296, 653-661.	2.6	135
2863	Low-cost fabrication of amorphous cobalt-iron-boron nanosheets for high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2019, 296, 198-205.	2.6	33
2864	Reduced ZnCo <sub>2</sub> O <sub>4</sub> @NiMoO <sub>4</sub> ·H <sub>2</sub> O heterostructure electrodes with modulating oxygen vacancies for enhanced aqueous asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2019, 409, 112-122.	4.0	94
2865	Two-dimensional materials for lithium/sodium-ion capacitors. <i>Materials Today Energy</i> , 2019, 11, 30-45.	2.5	88
2866	Redox-Mediator-Enhanced Electrochemical Capacitors: Recent Advances and Future Perspectives. <i>ChemSusChem</i> , 2019, 12, 1118-1132.	3.6	67
2867	Fabrication of porous MgCo <sub>2</sub> O <sub>4</sub> nanoneedle arrays/Ni foam as an advanced electrode material for asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 779, 100-107.	2.8	36
2868	Hydrogen-bonding power interfacial load transfer of carbon fabric/polypyrrole composite pseudosupercapacitor electrode with improved electrochemical stability. <i>Applied Surface Science</i> , 2019, 470, 783-791.	3.1	14

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2869	Engineering hydrogenated manganese dioxide nanostructures for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 661-670.	5.0	11
2870	Investigation of ion transport in chemically tuned pillared graphene materials through electrochemical impedance analysis. <i>Electrochimica Acta</i> , 2019, 296, 882-890.	2.6	27
2871	Void-bearing electrodes with microporous activated carbon for electric double-layer capacitors. <i>Journal of Electroanalytical Chemistry</i> , 2019, 833, 33-38.	1.9	9
2872	Enhanced electrochemical performance of salen-type transition metal polymer with electron-donating substituents. <i>Ionics</i> , 2019, 25, 1045-1055.	1.2	9
2873	Pt-decorated graphene network materials for supercapacitors with enhanced power density. <i>Carbon</i> , 2019, 145, 281-289.	5.4	22
2874	Thin-Film Electrode-Based Supercapacitors. <i>Joule</i> , 2019, 3, 338-360.	11.7	171
2875	High mass loading of h-WO <sub>3</sub> and $\pm$ -MnO <sub>2</sub> on flexible carbon cloth for high-energy aqueous asymmetric supercapacitor. <i>Electrochimica Acta</i> , 2019, 299, 245-252.	2.6	61
2876	Metal-organic frameworks for energy storage devices: Batteries and supercapacitors. <i>Journal of Energy Storage</i> , 2019, 21, 632-646.	3.9	271
2877	Tuning Charge Storage Properties of Supercapacitive Electrodes Evidenced by In Situ Gravimetric and Viscoelastic Explorations. <i>Analytical Chemistry</i> , 2019, 91, 2885-2893.	3.2	16
2878	Vertically Aligned Reduced Graphite Oxide Nanosheet Film and its Application in a High-Speed Charge/Discharge Electrochemical Capacitor. <i>ACS Applied Energy Materials</i> , 2019, 2, 1033-1039.	2.5	18
2879	Rationally assembled porous carbon superstructures for advanced supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 361, 1296-1303.	6.6	67
2880	Dual functional nickel cobalt/MWCNT composite electrode-based electrochemical capacitor and enzymeless glucose biosensor applications: Influence of Ni/Co molar ratio. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 73, 1-7.	2.9	31
2881	Anion-Based Pseudocapacitance of the Perovskite Library La <sub>x</sub> Sr <sub>x</sub> BO <sub>3</sub> (B = Fe, Mn, Co). <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 5084-5094.	4.0	60
2882	Moss-Derived Mesoporous Carbon as Bi-Functional Electrode Materials for Lithium-Sulfur Batteries and Supercapacitors. <i>Nanomaterials</i> , 2019, 9, 84.	1.9	25
2883	Improved capacitance of NiCo <sub>2</sub> O <sub>4</sub> /carbon composite resulted from carbon matrix with multilayered graphene. <i>Electrochimica Acta</i> , 2019, 295, 376-383.	2.6	24
2884	Redox-electrolytes for non-flow electrochemical energy storage: A critical review and best practice. <i>Progress in Materials Science</i> , 2019, 101, 46-89.	16.0	111
2885	PANI coated microporous graphene fiber capable of subjecting to external mechanical deformation for high performance flexible supercapacitors. <i>Carbon</i> , 2019, 143, 147-153.	5.4	39
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2888	High-Voltage Supercapacitors Based on Aqueous Electrolytes. <i>ChemElectroChem</i> , 2019, 6, 976-988.	1.7	133
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2891	Redox-Mediated Shape Transformation of $\text{Fe}_3\text{O}_4$ Nanoflakes to Chemically Stable $\text{Au}@\text{Fe}_2\text{O}_3$ Composite Nanorods for a High-Performance Asymmetric Solid-State Supercapacitor Device. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 724-733.	3.2	35
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2980	Engineering 2D Materials: A Viable Pathway for Improved Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , 2020, 10, 2002621.	10.2	45
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2996	Facile synthesis of SnO <sub>2</sub> nanoparticle intercalated unzipped multi-walled carbon nanotubes via an ultrasound-assisted route for symmetric supercapacitor devices. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5120-5131.	2.5	4
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2998	Bundlelike CuCo <sub>2</sub> O <sub>4</sub> Microstructures Assembled with Ultrathin Nanosheets As Battery-Type Electrode Materials for High-Performance Hybrid Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 8026-8037.	2.5	172
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3000	Mn incorporated MoS <sub>2</sub> nanoflowers: A high performance electrode material for symmetric supercapacitor. <i>Electrochimica Acta</i> , 2020, 338, 135815.	2.6	68
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3003	Hybrid supercapacitors from porous boron-doped diamond with water-soluble redox electrolyte. <i>Surface and Coatings Technology</i> , 2020, 398, 126103.	2.2	22
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3016	Hierarchically structured carbon electrodes derived from intrinsically microporous Tröger's base polymers for high-performance supercapacitors. <i>Applied Surface Science</i> , 2020, 530, 147146.	3.1	12
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3018	Integral capacitance of diffusion layer for rectangular structures. <i>Journal of Energy Storage</i> , 2020, 30, 101477.	3.9	6
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3026	Self-discharge of supercapacitors based on carbon nanotubes with different diameters. <i>Electrochimica Acta</i> , 2020, 357, 136855.	2.6	45
3027	Formation of hierarchical 3D cross-linked porous carbon with small addition of graphene for supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 27471-27481.	3.8	20
3028	Supramolecular-induced confining methylene blue in three-dimensional reduced graphene oxide for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2020, 475, 228554.	4.0	34
3029	Maximizing pore and heteroatom utilization within N,P-co-doped polypyrrole-derived carbon nanotubes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17558-17567.	5.2	64
3030	Oxygen Vacancy-Engineered Ti-Mo-Ni Ternary Oxide Nanotubes as Binder-Free Supercapacitor Electrodes with Exceptional Potential Window. <i>ChemNanoMat</i> , 2020, 6, 1513-1518.	1.5	13
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3033	A core-shell structure of cobalt sulfide/graphene towards high energy density in asymmetric hybrid supercapacitors. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4848-4858.	2.5	11
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3035	One-Step Synergistic Effect to Produce Two-Dimensional N-Doped Hierarchical Porous Carbon Nanosheets for High-Performance Flexible Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 8562-8572.	2.5	32
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3038	Turning indium oxide into high-performing electrode materials via cation substitution strategy: Preserving single crystalline cubic structure of 2D nanoflakes towards energy storage devices. <i>Journal of Power Sources</i> , 2020, 480, 228873.	4.0	53
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3041	Covalent Organic Frameworks as Negative Electrodes for High-Performance Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2020, 10, 2001673.	10.2	107
3042	Morphology and crystal structure dependent pseudocapacitor performance of hydrated WO <sub>3</sub> nanostructures. <i>Materials Advances</i> , 2020, 1, 2492-2500.	2.6	35
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3044	Electrode surface modification of graphene-MnO <sub>2</sub> supercapacitors using molecular dynamics simulations. <i>Journal of Molecular Modeling</i> , 2020, 26, 251.	0.8	3
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3046	Computational Insights into Charge Storage Mechanisms of Supercapacitors. <i>Energy and Environmental Materials</i> , 2020, 3, 235-246.	7.3	49
3047	Cobalt Nanorods as Transition Metal Electrode Materials for Asymmetric Supercapacitor Applications. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20746-20756.	1.5	8
3048	Highly Packed Monodisperse Porous Carbon Microspheres for Energy Storage in Supercapacitors and Li <sup>+</sup> S Batteries. <i>ChemElectroChem</i> , 2020, 7, 3798-3810.	1.7	10
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3051	Catalytic <sc>HTL</sc> -derived biochar and sol-gel synthesized (Mn, Ti)-oxides for asymmetric supercapacitors. <i>International Journal of Energy Research</i> , 2020, 44, 12546-12558.	2.2	7
3052	Ball mill assisted synthesis of cobalt-iron sulfide/N-doped carbon for high performance asymmetric supercapacitors. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 1119-1128.	1.5	11
3053	Impact of phase segregation on optical and electrochemical property of BiPO <sub>4</sub> nanostructures for energy storage applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16867-16881.	1.1	10
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3055	Solution-processed Nonstoichiometry NiO <sub>x</sub> Nanocrystal Aggregations for Supercapacitor Electrodes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 1904-1910.	0.6	1
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3060	Ag nanoparticles effect on BaTiO <sub>3</sub> -Graphite-AC/Aluminum foil symmetric supercapacitor. <i>Journal of Physics: Conference Series</i> , 2020, 1595, 012009.	0.3	2
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3065	Self-assembled activated carbon sandwiched graphene film for symmetrical supercapacitors. <i>Journal of Central South University</i> , 2020, 27, 3603-3614.	1.2	5
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3069	Electrochemical properties and mechanism of CoMoO <sub>4</sub> @NiWO <sub>4</sub> core-shell nanoplates for high-performance supercapacitor electrode application studied <i>in situ</i> X-ray absorption spectroscopy. <i>Nanoscale</i> , 2020, 12, 13388-13397.	2.8	44
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3080	Preparation of activated carbon via acidic dehydration of durian husk for supercapacitor applications. <i>Diamond and Related Materials</i> , 2020, 107, 107906.	1.8	31
3081	Preparation of high surface area nitrogen doped graphene for the assessment of morphologic properties and nitrogen content impacts on supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2020, 868, 114197.	1.9	49
3082	Hierarchical CuO@ZnCo(OH) core-shell heterostructure on copper foam as three-dimensional binder-free electrodes for high performance asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2020, 465, 228239.	4.0	40
3083	Benefits of Organo-Aqueous Binary Solvents for Redox Supercapacitors Based on Polyoxometalates. <i>ChemElectroChem</i> , 2020, 7, 2466-2476.	1.7	8
3084	A Review on Nano-/Microstructured Materials Constructed by Electrochemical Technologies for Supercapacitors. <i>Nano-Micro Letters</i> , 2020, 12, 118.	14.4	146
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3088	A cheese-shaped bio-carbon for high performance supercapacitors prepared from <i>Juncus effusus</i> . L. <i>Journal of Energy Storage</i> , 2020, 30, 101531.	3.9	3
3089	Structural Analysis of Furfural Resin-based Active Carbon to Control an Electric Double-layer Capacitor. <i>Electrochemistry</i> , 2020, 88, 127-131.	0.6	2
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3091	Aqueous Al-ion cells and supercapacitors – comparison. <i>Energy Reports</i> , 2020, 6, 166-173.	2.5	29
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3094	3D hierarchical self-supported NiO/Co <sub>3</sub> O <sub>4</sub> @C/CoS <sub>2</sub> nanocomposites as electrode materials for high-performance supercapacitors. <i>Nanoscale Advances</i> , 2020, 2, 2785-2791.	2.2	27
3095	Hierarchical Co(OH) <sub>2</sub> @NiMoS <sub>4</sub> nanocomposite on carbon cloth as electrode for high-performance asymmetric supercapacitors. <i>RSC Advances</i> , 2020, 10, 22606-22615.	1.7	20
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3097	Fluorine-Free Ionic Liquid-Based Electrolyte for Supercapacitors Operating at Elevated Temperatures. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10212-10221.	3.2	19
3098	Design and synthesis of high performance flexible and green supercapacitors made of manganese-dioxide decorated alkali lignin. <i>Energy Storage</i> , 2020, 2, e184.	2.3	21
3099	MnO <sub>x</sub> nanosheets anchored on a bio-derived porous carbon framework for high-performance asymmetric supercapacitors. <i>Applied Surface Science</i> , 2020, 527, 146842.	3.1	20
3100	Should we pose a closure problem for capacitive charging of porous electrodes?. <i>Europhysics Letters</i> , 2020, 130, 34003.	0.7	5
3101	Self-assembled Mo doped Ni-MOF nanosheets based electrode material for high performance battery-supercapacitor hybrid device. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 20820-20831.	3.8	64
3102	Hexaaminobenzene Derived Two-Dimensional Polymer Supercapacitor with High Specific Capacitance and Energy Density. <i>ACS Applied Energy Materials</i> , 2020, 3, 6352-6359.	2.5	7
3103	Morphology-Controlled Molybdenum Disulfide/Candle Soot Carbon Composite for High-Performance Supercapacitor. <i>ChemistrySelect</i> , 2020, 5, 6809-6817.	0.7	13

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3105	Bulk-synthesis and supercapacitive energy storage applications of nanoporous triazine-based graphdiyne. <i>Carbon</i> , 2020, 167, 202-208.	5.4	25
3106	Graphene-based composite materials for flexible supercapacitors. , 2020, , 345-372.		4
3107	Graphene Foam (GF)/Manganese Oxide (MnO <sub>2</sub> ) Nanocomposites for High Performance Supercapacitors. <i>Journal of Energy Storage</i> , 2020, 30, 101575.	3.9	17
3108	High performance hybrid-capacitor based on MoTe <sub>2</sub> /graphene through ultra-fast, facile microwave-initiated synthesis. <i>Journal of Alloys and Compounds</i> , 2020, 846, 155886.	2.8	24
3109	Nanostructured Fe <sub>2</sub> O <sub>3</sub> @nitrogen-doped multiwalled nanotube/cellulose nanocrystal composite material electrodes for high-performance supercapacitor applications. <i>Journal of Materials Research and Technology</i> , 2020, 9, 7615-7627.	2.6	26
3110	Electrochemical capacitive performance of intact anaerobic granular sludge-based 3D bioanode. <i>Journal of Power Sources</i> , 2020, 470, 228399.	4.0	18
3111	“Waste to Wealth” Lignin as a Renewable Building Block for Energy Harvesting/Storage and Environmental Remediation. <i>ChemSusChem</i> , 2020, 13, 2807-2827.	3.6	55
3112	Research Progress on Porous Carbon Supported Metal/Metal Oxide Nanomaterials for Supercapacitor Electrode Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 6347-6374.	1.8	132
3113	Formation of microns long thin wire networks with a controlled spatial distribution of elements. <i>Catalysis Science and Technology</i> , 2020, 10, 2020-2028.	2.1	4
3114	A single-step synthesis and direct growth of microspheres containing the nanoflakes-like structure of Zn <sub>0.76</sub> Co <sub>0.24</sub> S as a high-performance electrode for supercapacitors. <i>Journal of Energy Storage</i> , 2020, 29, 101349.	3.9	39
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3116	Current Technology of Supercapacitors: A Review. <i>Journal of Electronic Materials</i> , 2020, 49, 3520-3532.	1.0	134
3117	Heavy oil-derived carbon for energy storage applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7066-7082.	5.2	57
3118	Preparation of Foam-like Network Structure of Polypyrrole/Graphene Composite Particles Based on Cellulose Nanofibrils as Electrode Material. <i>ACS Omega</i> , 2020, 5, 4778-4786.	1.6	12
3119	Synthesis of graphene oxide-polychrysoidine nanocomposite for supercapacitor applications. <i>Journal of Energy Storage</i> , 2020, 29, 101334.	3.9	11
3120	Controllable fabrication of nitrogen-doped porous nanocarbons for high-performance supercapacitors via supramolecular modulation strategy. <i>Journal of Energy Chemistry</i> , 2020, 49, 348-357.	7.1	48
3121	High-loading Co-doped NiO nanosheets on carbon-welded carbon nanotube framework enabling rapid charge kinetic for enhanced supercapacitor performance. <i>Journal of Energy Chemistry</i> , 2020, 50, 240-247.	7.1	35

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3123	Fabrication of high performance structural N-doped hierarchical porous carbon for supercapacitors. <i>Carbon</i> , 2020, 164, 42-50.	5.4	114
3124	High-performance supercapacitors based on S-doped polyaniline nanotubes decorated with Ni(OH) <sub>2</sub> nanosponge and onion-like carbons derived from used car tyres. <i>Electrochimica Acta</i> , 2020, 342, 136111.	2.6	24
3125	Single-step grown boron doped nanocrystalline diamond-carbon nanoglass hybrid as an efficient supercapacitor electrode. <i>Nanoscale</i> , 2020, 12, 10117-10126.	2.8	23
3126	A binder-free electrode based on Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> -rGO aerogel for supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 595, 124683.	2.3	45
3127	Controlling reaction kinetics of layered zinc vanadate having brucite-like Zn <sup>2+</sup> O layers supported by pyrovanadate pillars for use in supercapacitors. <i>Journal of Alloys and Compounds</i> , 2020, 829, 154479.	2.8	25
3128	Improved Capacitive Performances from Adjusted Graphite Microcrystallites with Multilayer Graphene Being In Situ Formed in Amorphous Carbons. <i>Energy Technology</i> , 2020, 8, 1901500.	1.8	2
3129	Activated Carbon/MnO <sub>2</sub> Composites as Electrode for High Performance Supercapacitors. <i>Catalysts</i> , 2020, 10, 256.	1.6	27
3130	All-climate aqueous supercapacitor enabled by a deep eutectic solvent electrolyte based on salt hydrate. <i>Journal of Energy Chemistry</i> , 2020, 49, 198-204.	7.1	63
3131	Boosting Specific Energy and Power of Carbon-Ionic Liquid Supercapacitors by Engineering Carbon Pore Structures. <i>Frontiers in Chemistry</i> , 2020, 8, 6.	1.8	5
3132	Engineered defects in cerium oxides: tuning chemical reactivity for biomedical, environmental, & energy applications. <i>Nanoscale</i> , 2020, 12, 6879-6899.	2.8	79
3133	Conjugated polyimide-coated carbon nanofiber aerogels in a redox electrolyte for binder-free supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 401, 126031.	6.6	45
3134	Mass fabrication of oxygen and nitrogen co-doped 3D hierarchical porous carbon nanosheets by an explosion-assisted strategy for supercapacitor and dye adsorption application. <i>Applied Surface Science</i> , 2020, 529, 147079.	3.1	26
3135	Design and synthesis of FeMoO <sub>4</sub> /CuO for electrochemical energy storage system. <i>Journal of Molecular Liquids</i> , 2020, 314, 113693.	2.3	14
3136	Nickel oxide nanoparticle incorporated polypyrrole nanocomposite for supercapacitor application. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	3
3137	Electrochemical properties of Bi <sub>0.85</sub> Mg <sub>0.15</sub> PO <sub>4</sub> nanostructures for supercapacitor applications. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
3138	Overlooking Issues and Prospective Resolutions Behind the Prosperity of Three-Dimensional Porous Carbon Supercapacitor Electrodes. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	3
3139	Template Synthesis of a Heterostructured MnO <sub>2</sub> @SnO <sub>2</sub> Hollow Sphere Composite for High Asymmetric Supercapacitor Performance. <i>ACS Applied Energy Materials</i> , 2020, 3, 7284-7293.	2.5	38

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3141	Hierarchical porous nitrogen-doped carbon microspheres after thermal rearrangement as high performance electrode materials for supercapacitors. <i>Applied Surface Science</i> , 2020, 529, 147141.	3.1	41
3142	Fabrication of Porous Carbon Nanosheets with the Engineered Graphitic Structure for Electrochemical Supercapacitors. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 13623-13630.	1.8	12
3143	Perspective on High-Energy Carbon-Based Supercapacitors. <i>Energy and Environmental Materials</i> , 2020, 3, 286-305.	7.3	124
3144	Structural Anomalies and Electronic Properties of an Ionic Liquid under Nanoscale Confinement. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6150-6155.	2.1	5
3145	Ultra-high rate capability supercapacitors based on tremella-like nitrogen and phosphorus co-doped graphene. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2704-2715.	3.2	24
3146	Core-shell nanostructured ZnO@CoS arrays as advanced electrode materials for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2020, 354, 136711.	2.6	26
3147	Progress on zinc ion hybrid supercapacitors: Insights and challenges. <i>Energy Storage Materials</i> , 2020, 31, 252-266.	9.5	141
3148	Design and synthesis of NiCo <sub>2</sub> O <sub>4</sub> /NiCoO <sub>2</sub> /graphene hybrid nanoarrays with enhanced capacitive performance. <i>Ceramics International</i> , 2020, 46, 20191-20200.	2.3	14
3149	High-performance solid state supercapacitors based on intrinsically conducting polyaniline/MWCNTs composite electrodes. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	29
3150	Enhanced capacitive performances and excellent stability of cadmium-sulfide-concealed nickel sulfide (Ni <sub>3</sub> S <sub>2</sub> /CdS) for electrochemical capacitors. <i>Journal of Alloys and Compounds</i> , 2020, 826, 154211.	2.8	25
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3749	Entropy Generation of Electrothermal Nanofluid Flow Between Two Permeable Walls Under Injection Process. Journal of Nanofluids, 2022, 11, 714-727.	1.4	1
3750	Controlled synthesis of the state-of-the-art quasi one-dimensional graphene nanostructure for high performance supercapacitor. Synthetic Metals, 2022, 289, 117131.	2.1	7

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3751	Supercapacitor and battery performances of multi-component nanocomposites: Real circuit and equivalent circuit model analysis. <i>Journal of Energy Storage</i> , 2022, 53, 105093.	3.9	15
3752	Hydrothermal preparation of MnNiO <sub>3</sub> /Ni <sub>6</sub> MnO <sub>8</sub> nanospheres on nickel foam as a high stability electrode material for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2022, 924, 166490.	2.8	3
3753	Joule heating-induced faradaic electrode-decorated graphene fibers for flexible fiber-shaped hybrid supercapacitor with high volumetric energy density. <i>Carbon</i> , 2022, 198, 252-263.	5.4	7
3754	Thermal behavior analysis of lithium-ion capacitors at transient high discharge rates. <i>Journal of Energy Storage</i> , 2022, 53, 105208.	3.9	6
3755	Spherical spinel NiMn <sub>2</sub> O <sub>4</sub> in-situ grown on MWCNT via solvothermal synthesis for supercapacitors. <i>Diamond and Related Materials</i> , 2022, 128, 109266.	1.8	13
3756	Engineering of GO/MWCNT/RuO <sub>2</sub> ternary aerogel for high-performance supercapacitor. <i>Fuel</i> , 2022, 329, 125398.	3.4	24
3757	Bioinspired Sustainable Sheetlike Porous Carbon Derived from <i>Cassia fistula</i> Flower Petal as an Electrode for High-Performance Supercapacitors. <i>Energy &amp; Fuels</i> , 2022, 36, 9337-9346.	2.5	10
3758	Preparation of Manganese Dioxide Supercapacitors by Secondary Construction of Three-Dimensional Substrates and Ion Embedding. <i>Electronic Materials Letters</i> , 2022, 18, 475-488.	1.0	2
3759	Two-Dimensional Heterostructure of PPy/CNT@E. coli for High-Performance Supercapacitor Electrodes. <i>Materials</i> , 2022, 15, 5804.	1.3	2
3760	Enhancing the capacitive performance of microporous materials with protic ionic liquids. <i>Journal of Molecular Liquids</i> , 2022, 365, 120161.	2.3	1
3761	Biosourced quinones for high-performance environmentally benign electrochemical capacitors via interface engineering. <i>Communications Chemistry</i> , 2022, 5, .	2.0	12
3762	Functional MXene-Based Materials for Next-Generation Rechargeable Batteries. <i>Advanced Materials</i> , 2022, 34, .	11.1	42
3763	Selectively designed hierarchical copper-cobalt oxysulfide nanoarchitectures for high-rate hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , 2022, 926, 166814.	2.8	6
3764	AgI/g-C <sub>3</sub> N <sub>4</sub> nanocomposite as electrode material for supercapacitors: Comparative study for its efficiency in three different aqueous electrolytes. <i>Electrochimica Acta</i> , 2022, 430, 141052.	2.6	32
3765	β-Cyclodextrin Anchor NiCo <sub>2</sub> S <sub>4</sub> on Graphene to Enhance Electrochemical Performance of Supercapacitor. <i>Energy Technology</i> , 2022, 10, .	1.8	5
3766	Preparation of Spinel Form Co <sub>3</sub> O <sub>4</sub> and CoO <sub>2</sub> Thin Film at Low Temperature by Electrochemical Method as a Thin Film Oxide Layer. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 081014.	0.9	3
3767	Electrochemical performance of various activated carbon-multi-walled carbon nanotubes symmetric supercapacitor electrodes in aqueous electrolytes. <i>Carbon Letters</i> , 2022, 32, 1481-1505.	3.3	17
3768	Photo-assisted charging of carbon fiber paper-supported CeO <sub>2</sub> /MnO <sub>2</sub> heterojunction and its long-lasting capacitance enhancement in dark. <i>Journal of Advanced Ceramics</i> , 2022, 11, 1735-1750.	8.9	9

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3770	Single step assemble of cerium oxide embellished on layered graphene oxide: An efficacious electrode for supercapacitors and hydrogen evolution reaction. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 284, 115924.	1.7	3
3771	Spray pyrolysis: Approaches for nanostructured metal oxide films in energy storage application. <i>Journal of Energy Storage</i> , 2022, 54, 105387.	3.9	11
3772	A molten salt route to binder-free CeO <sub>2</sub> on carbon cloth for high performance supercapacitors. <i>Journal of Energy Storage</i> , 2022, 55, 105451.	3.9	4
3773	Electrospun NiMoO <sub>4</sub> -encapsulated carbon nanofibers electrodes for advanced supercapacitors. <i>Journal of Energy Storage</i> , 2022, 55, 105490.	3.9	11
3774	Rice husk derived capacitive carbon prepared by one-step molten salt carbonization for supercapacitors. <i>Journal of Energy Storage</i> , 2022, 55, 105437.	3.9	19
3775	Simple direct fabrication of manganese oxide 3-D electrodes on Ni foam via thermal decomposition of manganese Formate-Amine ink for supercapacitors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 285, 115962.	1.7	1
3776	Sulfur-deficient flower-like zinc cobalt sulfide microspheres as an advanced electrode material for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 628, 631-641.	5.0	15
3777	Anodic TiO <sub>2</sub> nanotubes: A promising material for energy conversion and storage. <i>Applied Materials Today</i> , 2022, 29, 101613.	2.3	11
3778	Construction and application in solid-state asymmetric supercapacitors of gladiolus-like NiSe/CoSe/Ni <sub>3</sub> Se <sub>2</sub> hierarchical nanocomposite with synergistic structural advantages. <i>Journal of Alloys and Compounds</i> , 2022, 925, 166696.	2.8	7
3779	Synthesis of amorphous Nickel-Cobalt hydroxides with high areal capacitance by one-step electrodeposition using polymeric additive. <i>Chemical Engineering Journal</i> , 2023, 451, 138613.	6.6	18
3780	Surface and diffusive capacity controlled electrochemistry in nickel boride/nickel borate. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 116, 351-358.	2.9	3
3781	Chemically Synthesized Iron-Oxide-Based Pure Negative Electrode for Solid-State Asymmetric Supercapacitor Devices. <i>Materials</i> , 2022, 15, 6133.	1.3	9
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3783	Rethinking residential energy storage: GHG minimization potential of a Carbon Reinforced Concrete facade with function integrated supercapacitors. <i>Building and Environment</i> , 2022, 224, 109520.	3.0	3
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3785	The performance of a new electrolyte for organic supercapacitors: Poly(hydridocarbyne). <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100732.	1.3	0
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3788	Layered (NH <sub>4</sub> ) <sub>2</sub> V <sub>10</sub> O <sub>25</sub> ·8H <sub>2</sub> O coupled with Two-Electron iodide redox achieving exponential energy density enhancement of NH <sub>4</sub> <sup>+</sup> supercapacitors. <i>Applied Surface Science</i> , 2022, 605, 154688.	3.1	5
3789	High-surface-area activated carbon from pine cones for semi-industrial spray deposition of supercapacitor electrodes. <i>Nanoscale Advances</i> , 2022, 4, 4689-4700.	2.2	8
3790	Facile design and synthesis of a nickel disulfide/zeolitic imidazolate framework-67 composite material with a robust cladding structure for high-efficiency supercapacitors. <i>RSC Advances</i> , 2022, 12, 23912-23921.	1.7	4
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3792	Nature Rubber Latex Templated Ti <sub>3</sub> C <sub>2</sub> T <sub>X</sub> Mxene Foam for Low Cost Producing High Performance Electrode. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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3794	Challenges and prospects of high-voltage aqueous electrolytes for energy storage applications. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 20674-20688.	1.3	3
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3796	Rationally designed N/P dual-doped ordered mesoporous carbon for supercapacitors. <i>Journal of Materials Science</i> , 2022, 57, 17380-17397.	1.7	2
3797	Recent Progress in Aqueous Ammonium-Ion Batteries. <i>ACS Omega</i> , 2022, 7, 33732-33748.	1.6	12
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3799	Structure-Integrated Thin-Film Supercapacitor as a Sensor. <i>Sensors</i> , 2022, 22, 6932.	2.1	2
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3803	Preparation of N-doped porous carbon nanofibers derived from their phenolic-resin-based analogues for high performance supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2022, 925, 116869.	1.9	4
3804	Rice husk-derived carbon materials for aqueous Zn-ion hybrid supercapacitors. <i>Applied Surface Science</i> , 2023, 608, 155215.	3.1	15

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3807	Experimental and DFT studies on spinel NiMn <sub>2</sub> O <sub>4</sub> flower derived from bimetallic MOF as an efficient electrode for next-generation supercapacitor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 655, 130244.	2.3	5
3808	Recent Advanced Supercapacitor: A Review of Storage Mechanisms, Electrode Materials, Modification, and Perspectives. <i>Nanomaterials</i> , 2022, 12, 3708.	1.9	54
3809	NiCo <sub>2</sub> O <sub>4</sub> @V <sub>2</sub> O <sub>5</sub> nanobelts as electrode materials for efficient electrochemical charge storage. <i>Nano Futures</i> , 0, .	1.0	0
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3811	Flexible Carbon Dots–Intercalated MXene Film Electrode with Outstanding Volumetric Performance for Supercapacitors. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	49
3812	Layer-by-Layer Heterostructure of MnO <sub>2</sub> @Reduced Graphene Oxide Composites as High-Performance Electrodes for Supercapacitors. <i>Membranes</i> , 2022, 12, 1044.	1.4	5
3813	Urea-Assisted Nickel-Manganese Phosphate Composite Microarchitectures with Ultralong Lifecycle for Flexible Asymmetric Solid-State Supercapacitors: A Binder-Free Approach. <i>Energy &amp; Fuels</i> , 2022, 36, 13356-13369.	2.5	4
3814	All-solid-state printable supercapacitors based on bimetallic sulfide NiCo <sub>2</sub> S <sub>4</sub> with in-plane interdigital electrode architecture. <i>Journal of Materials Science</i> , 2022, 57, 19381-19395.	1.7	3
3815	Advances in 2D Molybdenum Disulfide–Based Functional Materials for Supercapacitor Applications. <i>ChemistrySelect</i> , 2022, 7, .	0.7	3
3816	Applications of Carbon Dots in Electrochemical Energy Storage. <i>ACS Applied Electronic Materials</i> , 2022, 4, 5144-5164.	2.0	8
3817	Optimization of preparation of lignite-based activated carbon for high-performance supercapacitors with response surface methodology. <i>Journal of Energy Storage</i> , 2022, 56, 105913.	3.9	17
3818	Green synthesis and electrochemical properties of A <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> (A = Mn, Zn, and Co) hydrates for supercapacitors with long-term cycling stability. <i>Journal of Power Sources</i> , 2022, 552, 232245.	4.0	4
3819	Recent advances in chemical vapour deposition techniques for graphene-based nanoarchitectures: From synthesis to contemporary applications. <i>Coordination Chemistry Reviews</i> , 2023, 475, 214910.	9.5	41
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3822	All-in-one structured textile energy storage electrodes prepared via Janus bond assembly-induced electrodeposition. <i>Chemical Engineering Journal</i> , 2023, 454, 140150.	6.6	2

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3825	High Power-Density WO <sub>3</sub> -xâ€“Grafted Corannulene-Modified graphene nanostructures for Micro-Supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2023, 928, 116990.	1.9	1
3826	Amorphous Ni-Co binary hydroxide with super-long cycle life and ultrahigh rate capability as asymmetric supercapacitors. <i>Nanotechnology</i> , 0, , .	1.3	1
3827	Exploring the synergy of binder free MoWS <sub>2</sub> @Ag as electrode materials for hybrid supercapacitors. <i>Journal of Energy Storage</i> , 2022, 56, 105925.	3.9	15
3828	Fabrication of NiCo <sub>2</sub> Se <sub>4</sub> @ NiWO <sub>4</sub> nanocomposites for high performance supercapacitor applications. <i>Journal of Energy Storage</i> , 2022, 56, 106111.	3.9	6
3829	Nanostructured tungsten oxide as photochromic material for smart devices, energy conversion, and environmental remediation. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2022, 53, 100555.	5.6	21
3830	A Review on the Application of Cobalt-Based Nanomaterials in Supercapacitors. <i>Nanomaterials</i> , 2022, 12, 4065.	1.9	10
3831	Effects of diffusive Reynolds number on electro-osmotic pulsating nanofluid flow. <i>Physics of Fluids</i> , 2022, 34, .	1.6	6
3832	Metal Sulfides and Phosphides for Supercapacitors. , 2022, , 1-32.		0
3833	Fabrication of honeycomb-structured composite material of Pr <sub>2</sub> O <sub>3</sub> , Co <sub>3</sub> O <sub>4</sub> , and graphene on nickel foam for high-stability supercapacitors. <i>New Journal of Chemistry</i> , 2022, 47, 211-219.	1.4	2
3834	Construction of shrimp shell (SS) waste-based carbon electrode-gel polymer electrolyte (GPE) system for flexible symmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2023, 11, 878-890.	5.2	4
3835	Facile synthesis of dual-morphological MgCo <sub>2</sub> O <sub>4</sub> with remarkable performance for pseudosupercapacitors. <i>Materials Advances</i> , 0, , .	2.6	1
3836	High-performance solid-state asymmetric supercapacitor based on Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene/VS <sub>2</sub> cathode and Fe <sub>3</sub> O <sub>4</sub> @rGO hydrogel anode. <i>Electrochimica Acta</i> , 2023, 438, 141572.	2.6	9
3837	Widening the limit of capacitance at high frequency for AC line-filtering applications using aqueous carbon-based supercapacitors. <i>Carbon</i> , 2023, 203, 686-694.	5.4	7
3838	MnO <sub>2</sub> -based materials for supercapacitor electrodes: challenges, strategies and prospects. <i>RSC Advances</i> , 2022, 12, 35556-35578.	1.7	15
3839	A review on few-layer graphene flakes deposition by kinetic spray process for energy storage devices. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
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3843	Nanoarchitectonics of eco-friendly nickel oxide nanoplatelets for energy storage. <i>Applied Physics A: Materials Science and Processing</i> , 2023, 129, .	1.1	2
3844	Thickness–Independent Capacitive Performance of Holey $\text{Ti}_3\text{C}_2\text{T}_x$ Film Prepared through a Mild Oxidation Strategy. <i>Small</i> , 2023, 19, .	5.2	9
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3846	Optimising nanoporous supercapacitors for heat-to-electricity conversion. <i>Journal of Molecular Liquids</i> , 2023, 371, 121093.	2.3	4
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3848	Natural Polymer Template for Low-Cost Producing High-Performance $\text{Ti}_3\text{C}_2\text{T}_x$ MXene Electrodes for Flexible Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 56877-56885.	4.0	11
3849	Novel Interconnected Nickel–Iron Layered Double Hydroxide Nanoweb Structure for High-Performance Supercapacitor Electrodes. <i>Advanced Materials Interfaces</i> , 2023, 10, .	1.9	4
3850	Surfactant-assisted hydrothermal synthesis of $\text{CoMn}_2\text{O}_4$ nanostructures for efficient supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2023, 27, 785-796.	1.2	3
3851	Supramolecular engineering of cathode materials for aqueous zinc-ion hybrid supercapacitors: novel thiophene-bridged donor–acceptor $\text{sp}^2$ carbon-linked polymers. <i>Journal of Materials Chemistry A</i> , 2023, 11, 2718-2725.	5.2	5
3852	Tuning oxygen-containing functional groups of graphene for supercapacitors with high stability. <i>Nanoscale Advances</i> , 2023, 5, 1163-1171.	2.2	16
3853	A 3D multifunctional host anode from commercial carbon cloth for lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2023, 11, 4205-4219.	5.2	10
3854	Best practices for electrochemical characterization of supercapacitors. <i>Journal of Energy Chemistry</i> , 2023, 80, 265-283.	7.1	12
3855	Recent advances in and perspectives on pseudocapacitive materials for Supercapacitors—A review. <i>Journal of Power Sources</i> , 2023, 557, 232558.	4.0	32
3856	Microwave-assisted fabrication of $\text{SnO}_2$ nanostructures as electrode for high-performance pseudocapacitors. <i>Journal of Energy Storage</i> , 2023, 59, 106358.	3.9	4
3857	Preparation of hierarchical micro-meso porous carbon and carbon nanofiber from polyacrylonitrile/polysulfone polymer via one-step carbonization for supercapacitor electrodes. <i>Electrochimica Acta</i> , 2023, 441, 141827.	2.6	15
3858	A new strategy for the preparation of multi-walled carbon nanotubes/ $\text{NiMoO}_4$ nanostructures for high-performance asymmetric supercapacitors. <i>Journal of Energy Storage</i> , 2023, 59, 106438.	3.9	24
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3861	Multistage Activation of Anthracite Coal-Based Activated Carbon for High-Performance Supercapacitor Applications. <i>Energy &amp; Fuels</i> , 2023, 37, 1327-1343.	2.5	7
3862	Active Carbon-Based Electrode Materials from Petroleum Waste for Supercapacitors. <i>Journal of Carbon Research</i> , 2023, 9, 4.	1.4	2
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3864	Potential impact of smart-hybrid supercapacitors in novel electronic devices and electric vehicles. , 2023, , 795-850.		1
3865	Polymer–metal oxide heterostructures: formation, characteristics and applications. , 2023, , 141-190.		0
3866	High-Entropy Oxides Prepared by Dealloying Method for Supercapacitors. , 2023, 1, 780-789.		2
3867	Fundamentals of supercapacitors. , 2023, , 83-100.		1
3868	Visibly transparent supercapacitors. <i>Journal of Materials Chemistry A</i> , 2023, 11, 4907-4936.	5.2	20
3869	Novel Biogenic Synthesis of Pd/TiO@BC as an electrocatalytic and possible energy storage materials. <i>Ceramics International</i> , 2023, 49, 15874-15883.	2.3	6
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3871	Fabrication of ultrahigh-performance asymmetrical supercapacitor with pristine Zeolitic Imidazolate Framework-8 and a redox additive electrolyte. <i>Materials Science in Semiconductor Processing</i> , 2023, 158, 107383.	1.9	12
3872	Energy storage improvement of graphene based super capacitors. <i>Materials Today: Proceedings</i> , 2023, 78, 919-923.	0.9	6
3873	New Parameter Identification Method for Supercapacitor Model. <i>IEEE Access</i> , 2023, 11, 21771-21782.	2.6	3
3874	Supercapacitor and electrochemical techniques: A brief review. <i>Results in Chemistry</i> , 2023, 5, 100885.	0.9	30
3875	Pencil graphite–turned graphene oxide for supercapacitor electrodes. <i>Emergent Materials</i> , 0, , .	3.2	0
3876	Molecular insights into the electric double-layer structure at a polymer electrolyte-electrode interface. <i>Electrochimica Acta</i> , 2023, 446, 142131.	2.6	2
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3879	Toward better porous carbon-based electrodes by investigation of the viscoelastic properties of carbon suspension. <i>Chemical Engineering Journal</i> , 2023, 463, 142476.	6.6	1
3880	Enhancing quantum capacitance of iron sulfide supercapacitor through defect-engineering: A first-principles calculation. <i>Electrochimica Acta</i> , 2023, 449, 142235.	2.6	3
3881	Synthesis and characterization of polyaniline nanotube supported nanocomposite of RuO <sub>2</sub> as electrode material for application in supercapacitor device. <i>Materialia</i> , 2023, 28, 101732.	1.3	1
3882	Activated carbon incorporated graphene oxide with SnO <sub>2</sub> and TiO <sub>2</sub> -Zn nanocomposite for supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2023, 952, 169907.	2.8	4
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3886	Recent advances and perspectives on graphene-based gels for superior flexible all-solid-state supercapacitors. <i>Journal of Power Sources</i> , 2023, 565, 232916.	4.0	23
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3891	Preparation of two-dimensional manganese dioxide nanosheets by stirred media milling and its application as supercapacitor electrode materials. <i>Inorganic Chemistry Communication</i> , 2023, 149, 110440.	1.8	1
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