

# Research progress on conducting polymer based supercapacitors

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Highly-Efficient Dendritic Cable Electrodes for Flexible Supercapacitive Fabric. ACS Applied Materials & Interfaces, 2017, 9, 40207-40214.	4.0	21
2	Carbon modified transition metal oxides/hydroxides nanoarrays toward high-performance flexible all-solid-state supercapacitors. Nano Energy, 2017, 41, 408-416.	8.2	126
3	Indole-based conjugated macromolecules as a redox-mediated electrolyte for an ultrahigh power supercapacitor. Energy and Environmental Science, 2017, 10, 2441-2449.	15.6	68
4	Syntheses and Energy Storage Applications of M <sub>x</sub> S <sub>y</sub> (M = Cu, Ag.) Tj ETQq1 1 0.784314 rgBT Materials, 2017, 27, 1703949.	7.8	142
5	Nitrogen-Doped Hierarchical Porous Carbon Framework Derived from Waste Pig Nails for High-Performance Supercapacitors. ChemElectroChem, 2017, 4, 3181-3187.	1.7	41
6	Efficient construction and enhanced capacitive properties of interfacial polymerized polyaniline nanofibers with the assistance of isopropanol in aqueous phase. Electrochimica Acta, 2017, 257, 311-320.	2.6	11
7	Graphene-conducting polymer nanocomposites for enhancing electrochemical capacitive energy storage. Current Opinion in Electrochemistry, 2017, 4, 133-144.	2.5	41
8	Nitrogen and oxygen-codoped carbon nanospheres for excellent specific capacitance and cyclic stability supercapacitor electrodes. Chemical Engineering Journal, 2017, 330, 1166-1173.	6.6	106
9	Facile Preparation of Varisized ZIF-8 and ZIF-8/Polypyrrole Composites for Flexible Solid-State Supercapacitor. ChemistrySelect, 2017, 2, 7530-7534.	0.7	9
10	Mechanochemical assembly of 3D mesoporous conducting-polymer aerogels for high performance hybrid electrochemical energy storage. Nano Energy, 2017, 41, 193-200.	8.2	20
11	Electrochemical Polymerization of Functionalized Graphene Quantum Dots. Chemistry of Materials, 2017, 29, 6611-6615.	3.2	32
12	One-pot synthesis and electrochemical properties of polyaniline nanofibers through simply tuning acid-base environment of reaction medium. Electrochimica Acta, 2017, 249, 33-42.	2.6	23
13	High-Performance and Breathable Polypyrrole Coated Air-Laid Paper for Flexible All-Solid-State Supercapacitors. Advanced Energy Materials, 2017, 7, 1701247.	10.2	167
14	Polythiophene: From Fundamental Perspectives to Applications. Chemistry of Materials, 2017, 29, 10248-10283.	3.2	286
15	In Situ Growth of Polypyrrole onto Three-Dimensional Tubular MoS <sub>2</sub> as an Advanced Negative Electrode Material for Supercapacitor. Electrochimica Acta, 2017, 246, 615-624.	2.6	95
16	Thermally reduced graphene oxide/polymelamine formaldehyde nanocomposite as a high specific capacitance electrochemical supercapacitor electrode. Journal of Materials Chemistry A, 2018, 6, 6045-6053.	5.2	20
17	Photo-assisted synthesis of coaxial-structured polypyrrole/electrochemically hydrogenated TiO <sub>2</sub> nanotube arrays as a high performance supercapacitor electrode. RSC Advances, 2018, 8, 13393-13400.	1.7	10
18	Hydrothermal direct synthesis of polyaniline, graphene/polyaniline and N-doped graphene/polyaniline hydrogels for high performance flexible supercapacitors. Journal of Materials Chemistry A, 2018, 6, 9245-9256.	5.2	156

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19	Halloysite nanotubes favored facile deposition of nickel disulfide on NiMn oxides nanosheets for high-performance energy storage. <i>Electrochimica Acta</i> , 2018, 273, 349-357.	2.6	10
20	Interpenetrated and Polythreaded Co <sup>II</sup> -Organic Frameworks as a Supercapacitor Electrode Material with Ultrahigh Capacity and Excellent Energy Delivery Efficiency. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 9104-9115.	4.0	43
21	Environment-Modulated Crystallization of Cu <sub>2</sub> O and CuO Nanowires by Electrospinning and Their Charge Storage Properties. <i>Langmuir</i> , 2018, 34, 1873-1882.	1.6	54
22	Enhanced electrochemical properties of cerium metal-organic framework based composite electrodes for high-performance supercapacitor application. <i>RSC Advances</i> , 2018, 8, 3462-3469.	1.7	128
23	Enhancing the formation and capacitance properties of interfacial polymerized polyaniline nanofibers by introducing small alcohol molecules. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1227-1236.	1.2	15
24	Microwave-assisted synthesis method for rapid synthesis of tin selenide electrode material for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2018, 737, 623-629.	2.8	47
25	Microwave-assisted synthesis of honeycomblike hierarchical spherical Zn-doped Ni-MOF as a high-performance battery-type supercapacitor electrode material. <i>Electrochimica Acta</i> , 2018, 278, 114-123.	2.6	163
26	Hierarchical NiCo <sub>2</sub> O <sub>4</sub> @Co-Fe LDH core-shell nanowire arrays for high-performance supercapacitor. <i>Applied Surface Science</i> , 2018, 451, 280-288.	3.1	188
27	Surfactant-assisted potentiodynamically polymerized PEDOT fibers for significantly improved electrochemical capacitive properties. <i>Materials Letters</i> , 2018, 221, 309-312.	1.3	9
28	Vertically aligned, polypyrrole encapsulated MoS <sub>2</sub> /graphene composites for high-rate LIBs anode. <i>Ceramics International</i> , 2018, 44, 7611-7617.	2.3	10
29	EQCM study of redox properties of PEDOT/MnO <sub>2</sub> composite films in aqueous electrolytes. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2357-2366.	1.2	6
30	Electrode Materials, Electrolytes, and Challenges in Nonaqueous Lithium-Ion Capacitors. <i>Advanced Materials</i> , 2018, 30, e1705670.	11.1	334
31	Fairly improved pseudocapacitance of PTP/PANI/TiO <sub>2</sub> nanohybrid composite electrode material for supercapacitor applications. <i>Ionics</i> , 2018, 24, 257-268.	1.2	38
32	Three-dimensional N-doped graphene/polyaniline composite foam for high performance supercapacitors. <i>Applied Surface Science</i> , 2018, 428, 348-355.	3.1	39
33	Design and synthesis of ternary composite of polyaniline-sulfonated graphene oxide-TiO <sub>2</sub> nanorods: a highly stable electrode material for supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 129-139.	1.2	31
34	A novel two-dimensional coordination polymer-polypyrrole hybrid material as a high-performance electrode for flexible supercapacitor. <i>Chemical Engineering Journal</i> , 2018, 334, 2547-2557.	6.6	105
35	Three-dimensional porous activated carbon derived from loofah sponge biomass for supercapacitor applications. <i>Applied Surface Science</i> , 2018, 436, 327-336.	3.1	257
36	Highly Stable and Efficient Lignin-PEDOT/PSS Composites for Removal of Toxic Metals. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700114.	2.7	19

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37	Synthesis and Bonding Performance of Conductive Polymer Containing Rare Earth Oxides. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 746-750.	1.9	6
38	Adenine decorated@reduced graphene oxide, a new environmental friendly material for supercapacitor application. Journal of Alloys and Compounds, 2018, 735, 1010-1016.	2.8	16
39	Facile Synthesis of Co <sub>3</sub> O <sub>4</sub> /CoF <sub>2</sub> ·4H <sub>2</sub> O/graphene Composites for Supercapacitor Electrodes. International Journal of Electrochemical Science, 2018, 13, 10990-11000.	0.5	0
40	Influence of the Electrolyte Salt on the Electrochemical Polymerization of Pyrrole. Effects on p-Doping/Undoping, Conductivity and Morphology. International Journal of Electrochemical Science, 2018, 13, 12404-12419.	0.5	5
41	The Metal Oxide Nanoparticles doped Polyaniline based Nanocomposite as Stable Electrode Material for Supercapacitors. , 2018, , .		4
42	Molybdenum carbide promotion on Fe@N-doped carbon nanolayers facily prepared for enhanced oxygen reduction. Nanoscale, 2018, 10, 21944-21950.	2.8	12
43	Interweaving metal-organic framework-templated Co/Ni layered double hydroxide nanocages with nanocellulose and carbon nanotubes to make flexible and foldable electrodes for energy storage devices. Journal of Materials Chemistry A, 2018, 6, 24050-24057.	5.2	95
44	Nanocellulose/polypyrrole aerogel electrodes with higher conductivity <i>via</i> adding vapor grown nano-carbon fibers as conducting networks for supercapacitor application. RSC Advances, 2018, 8, 39918-39928.	1.7	27
45	The Sonogel-Carbon-PEDOT Material: An Innovative Bulk Material for Sensor Devices. Journal of the Electrochemical Society, 2018, 165, B906-B915.	1.3	9
46	Effects of Graphene Oxide on the Conductivity and Capacitance of Polypyrrole. International Journal of Electrochemical Science, 2018, , 4267-4275.	0.5	4
47	A ternary nanocomposites of graphene / TiO <sub>2</sub> / polypyrrole for energy storage applications. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 631-642.	1.0	16
48	Structural, morphological and electrochemical properties of long alkoxy-functionalized polythiophene and TiO <sub>2</sub> nanocomposites. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	3
49	Electrochemical Properties of Supercapacitor Electrodes Based on Polypyrrole and Enzymatically Prepared Cellulose Nanofibers. Polymer Science - Series C, 2018, 60, 228-239.	0.8	6
50	All-printed solid-state substrate-versatile and high-performance micro-supercapacitors for in situ fabricated transferable and wearable energy storage via multi-material 3D printing. Journal of Power Sources, 2018, 403, 109-117.	4.0	45
51	Yeast-derived N-doped carbon microsphere/polyaniline composites as high performance pseudocapacitive electrodes. Electrochimica Acta, 2018, 291, 256-266.	2.6	56
52	Symmetric supercapacitor performances of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> decorated polyaniline nanocomposite. Electrochimica Acta, 2018, 292, 558-567.	2.6	28
53	Prospective Synthesis Approaches to Emerging Materials for Supercapacitor. , 2018, , 185-208.		8
54	Polypyrrole Nanoparticles Doped with Fullerene Uniformly Distributed in the Polymeric Phase: Synthesis, Morphology, and Electrochemical Properties. Journal of Physical Chemistry C, 2018, 122, 25539-25554.	1.5	17

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55	Template-Confined Growth of Poly(4-aminodiphenylamine) Nanosheets as Positive Electrode toward Superlong-Life Asymmetric Supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 37125-37134.	4.0	22
56	Hierarchical FeCo <sub>2</sub> O <sub>4</sub> @polypyrrole Core/Shell Nanowires on Carbon Cloth for High-Performance Flexible All-Solid-State Asymmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14945-14954.	3.2	117
57	A flexible dual solid-state electrolyte supercapacitor with suppressed self-discharge and enhanced stability. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2727-2732.	2.5	23
58	Effect of chalcogen substitution on aqueous dispersions of poly(3,4-ethylenedioxythiophene):poly(4-styrenesulfonate) and their flexible conducting films. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 18566-18572.	1.1	9
59	Superior capacitive behavior of porous activated carbon tubes derived from biomass waste-cotonier strobili fibers. <i>Advanced Powder Technology</i> , 2018, 29, 2097-2107.	2.0	61
60	Effect of benzoquinone additives on the performance of symmetric carbon/carbon capacitors – electrochemical impedance study. <i>Journal of Energy Storage</i> , 2018, 18, 340-348.	3.9	6
61	Recent Progress in Biomass-Derived Electrode Materials for High Volumetric Performance Supercapacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1801007.	10.2	213
62	Supramolecular grafting of doped polyaniline leads to an unprecedented solubility enhancement, radical cation stabilization, and morphology transformation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12654-12662.	5.2	6
63	A ternary nanocomposite of reduced graphene oxide, Ag nanoparticle and Polythiophene used for supercapacitors. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 360-369.	1.0	21
64	Interfacial Constructing Flexible V <sub>2</sub> O <sub>5</sub> @Polypyrrole Core-Shell Nanowire Membrane with Superior Supercapacitive Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 18816-18823.	4.0	117
65	High-Throughput Screening Approach for the Optoelectronic Properties of Conjugated Polymers. <i>Journal of Chemical Information and Modeling</i> , 2018, 58, 2450-2459.	2.5	57
66	A high performance all-solid-state flexible supercapacitor based on carbon nanotube fiber/carbon nanotubes/polyaniline with a double core-sheathed structure. <i>Electrochimica Acta</i> , 2018, 283, 366-373.	2.6	73
67	Microwave-assisted synthesis of Ru and Ce doped tungsten oxide for supercapacitor electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 13794-13802.	1.1	13
68	Binder-free novel Cu <sub>4</sub> SnS <sub>4</sub> electrode for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2018, 284, 80-88.	2.6	38
69	Zn <sub>2</sub> SnO <sub>4</sub> /activated carbon composites for high cycle performance supercapacitor electrode. <i>Journal of Alloys and Compounds</i> , 2018, 767, 419-423.	2.8	16
70	Polymer nanocomposite materials in energy storage: Properties and applications. , 2018, , 239-282.		7
71	High Performance of Supercapacitor from PEDOT:PSS Electrode and Redox Iodide Ion Electrolyte. <i>Nanomaterials</i> , 2018, 8, 335.	1.9	33
72	Printable Nanomaterials for the Fabrication of High-Performance Supercapacitors. <i>Nanomaterials</i> , 2018, 8, 528.	1.9	46

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73	Microporous/mesoporous cobalt hexacyanoferrate nanocubes for long-cycle life asymmetric supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14897-14905.	1.1	17
74	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
75	Electrode materials for electrochemical capacitors based on poly(3,4 ethylenedioxythiophene) and functionalized multi-walled carbon nanotubes characterized in aqueous and aprotic electrolytes. <i>Synthetic Metals</i> , 2018, 244, 80-91.	2.1	12
76	Construction of vertically aligned PPy nanosheets networks anchored on MnCo <sub>2</sub> O <sub>4</sub> nanobelts for high-performance asymmetric supercapacitor. <i>Journal of Power Sources</i> , 2018, 393, 169-176.	4.0	76
77	Construction of Metal-Organic Framework/Conductive Polymer Hybrid for All-Solid-State Fabric Supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 18021-18028.	4.0	176
78	CTAB-assisted microemulsion synthesis of unique 3D network nanostructured polypyrrole presenting significantly diverse capacitance performances in different electrolytes. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 17552-17562.	1.1	5
79	Synthesis of C/Co <sub>3</sub> O <sub>4</sub> composite mesoporous hollow sphere sandwich graphene films for high-performance supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2554-2562.	3.0	26
80	Recent advancements in supercapacitor technology. <i>Nano Energy</i> , 2018, 52, 441-473.	8.2	1,228
81	Elaborate construction of N/S-co-doped carbon nanobowls for ultrahigh-power supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17653-17661.	5.2	102
83	Synthesis and characterization of nanocomposites consisting of polyaniline, chitosan and tin dioxide. <i>Materials Chemistry and Physics</i> , 2018, 216, 402-412.	2.0	20
84	PDMS with designer functionalities—Properties, modifications strategies, and applications. <i>Progress in Polymer Science</i> , 2018, 83, 97-134.	11.8	478
85	A biomimetic <i>Setaria viridis</i> -inspired electrode with polyaniline nanowire arrays aligned on MoO <sub>3</sub> @polypyrrole core-shell nanobelts. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13428-13437.	5.2	43
86	Review and prospect of NiCo <sub>2</sub> O <sub>4</sub> -based composite materials for supercapacitor electrodes. <i>Journal of Energy Chemistry</i> , 2019, 31, 54-78.	7.1	275
87	Capacitive deionization of NaCl from saline solution using graphene/CNTs/ZnO NPs based electrodes. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 455304.	1.3	18
88	Tunable Conducting Polymers: Toward Sustainable and Versatile Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14321-14340.	3.2	94
89	Polythiophene Grafted onto Single-Wall Carbon Nanotubes through Oligo(ethylene oxide) Linkages for Supercapacitor Devices with Enhanced Electrochemical Performance. <i>ChemElectroChem</i> , 2019, 6, 4595-4607.	1.7	19
90	A ternary MnO <sub>2</sub> -deposited RGO/lignin-based porous carbon composite electrode for flexible supercapacitor applications. <i>New Journal of Chemistry</i> , 2019, 43, 14084-14092.	1.4	21
91	Multidimensional Co-Exfoliated Activated Graphene-Based Carbon Hybrid for Supercapacitor Electrode. <i>Energy Technology</i> , 2019, 7, 1900578.	1.8	5

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92	Theoretical and Experimental Comparison of Electrical Properties of Nickel(II) Coordinated and Protonated Polyaniline. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18232-18239.	1.5	34
93	Robust, Flexible, and Binder Free Highly Crystalline V <sub>2</sub> O <sub>5</sub> Thin Film Electrodes and Their Superior Supercapacitor Performances. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13115-13126.	3.2	63
94	An excellent cycle performance of asymmetric supercapacitor based on ZIF-derived C/N-doped porous carbon nanostructures. <i>Journal of Alloys and Compounds</i> , 2019, 805, 1200-1207.	2.8	12
95	Going Nano with Confined Effects to Construct Pomegranate-like Cathode for High-Energy and High-Power Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28934-28942.	4.0	3
96	Calcination/phosphorization of dual Ni/Co-MOF into NiCoP/C nanohybrid with enhanced electrochemical property for high energy density asymmetric supercapacitor. <i>Electrochimica Acta</i> , 2019, 320, 134582.	2.6	78
97	A water-evaporation-induced self-charging hybrid power unit for application in the Internet of Things. <i>Science Bulletin</i> , 2019, 64, 1409-1417.	4.3	51
98	Synthesis and Enhancement of Electroactive Biomass/Polypyrrole Hydrogels for High Performance Flexible All-Solid-State Supercapacitors. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901393.	1.9	41
99	Hybrid Supercapacitors Based on Interwoven CoO@Ni@ZnO Nanowires and Porous Graphene Hydrogel Electrodes with Safe Aqueous Electrolyte for High Supercapacitance. <i>Advanced Electronic Materials</i> , 2019, 5, 1900397.	2.6	30
101	Hybrid nanomanufacturing of mixed-dimensional manganese oxide/graphene aerogel macroporous hierarchy for ultralight efficient supercapacitor electrodes in self-powered ubiquitous nanosystems. <i>Nano Energy</i> , 2019, 66, 104124.	8.2	30
102	Vulcanization treatment: An effective way to improve the electrochemical cycle stability of polyaniline in supercapacitors. <i>Journal of Power Sources</i> , 2019, 443, 227246.	4.0	16
103	Utilizing polyaniline to decorate graphene and its effect on the electrochemical properties of polyaniline/graphene electrode composite. <i>Materials Research Express</i> , 2019, 6, 105614.	0.8	11
104	PANI@Co-Porphyrins composite for the construction of supercapacitors. <i>Journal of Energy Storage</i> , 2019, 26, 101013.	3.9	29
105	Performance of CFRP Anchors under Dynamic Loading. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 304, 032080.	0.2	1
106	Frequent Pattern-Based Mapping at Flash Translation Layer of Solid-State Drives. <i>IEEE Access</i> , 2019, 7, 95233-95239.	2.6	3
107	Modifying Reduced Graphene Oxide by Conducting Polymer Through a Hydrothermal Polymerization Method and its Application as Energy Storage Electrodes. <i>Nanoscale Research Letters</i> , 2019, 14, 226.	3.1	67
108	Carbon materials from melamine sponges for supercapacitors and lithium battery electrode materials: A review. , 2019, 1, 253-275.		135
109	A Novel Ultrastable and High-Performance Electrode Material for Asymmetric Supercapacitors Based on ZIF@Polyaniline. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901571.	1.9	33
110	Microgravimetric study of electrochemical properties of PEDOT/WO <sub>3</sub> composite films in diluted sulfuric acid. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 3275-3285.	1.2	3

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111	Hydrophilically engineered polyacrylonitrile nanofiber aerogel as a soft template for large mass loading of mesoporous poly(3,4-ethylenedioxythiophene) network on a bare metal wire for high-rate wire-shaped supercapacitors. <i>Journal of Power Sources</i> , 2019, 441, 227212.	4.0	9
112	Electrochemical Performance of Manganese Coordinated Polyaniline. <i>Advanced Electronic Materials</i> , 2019, 5, 1900816.	2.6	35
113	Improvement of capacitance activity for Cu <sup>2+</sup> -doped Ni <sup>2+</sup> -based metal-organic frameworks by adding potassium hexacyanoferrate into KOH electrolyte. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5193.	1.7	15
114	Novel poly(2-(6-(5-oxo-4-(thiophen-2-ylmethylene)-4,5-dihydrooxazol-2-yl)naphthalen-2-yl)-4-(thiophen-2-ylmethylene)oxazol-5(4H)-one): Synthesis, electrochemical polymerization and characterization of its super capacitive properties. <i>Synthetic Metals</i> , 2019, 257, 116166.	2.1	5
115	Challenges and Opportunities of Carbon Nanomaterials for Biofuel Cells and Supercapacitors: Personalized Energy for Futuristic Self-Sustainable Devices. <i>Journal of Carbon Research</i> , 2019, 5, 62.	1.4	19
116	Synthesis of K-Carrageenan Flame-Retardant Microspheres and Its Application for Waterborne Epoxy Resin with Functionalized Graphene. <i>Polymers</i> , 2019, 11, 1708.	2.0	15
118	Free-Standing and Heteroatoms-Doped Carbon Nanofiber Networks as a Binder-Free Flexible Electrode for High-Performance Supercapacitors. <i>Nanomaterials</i> , 2019, 9, 1189.	1.9	18
119	A simple and sensitive electrochemical sensor with A-PCA film modified electrode for the determination of metanephrene. <i>New Journal of Chemistry</i> , 2019, 43, 14368-14376.	1.4	2
120	Mn-doped Ni-coordination supramolecular networks for binder-free high-performance supercapacitor electrode material. <i>Electrochimica Acta</i> , 2019, 321, 134682.	2.6	14
121	A Novel Dioxythiophene Based Conducting Polymer as Electrode Material for Supercapacitor Application. <i>International Journal of Electrochemical Science</i> , 2019, , 9504-9519.	0.5	11
122	Self-Assembled Flexible and Integratable 3D Microtubular Asymmetric Supercapacitors. <i>Advanced Science</i> , 2019, 6, 1901051.	5.6	39
123	Simultaneous Preparation of Polyaniline Nanofibers/Manganese Dioxide Composites at the Interface of Oil/Water for Supercapacitive Application. <i>Journal of Electronic Materials</i> , 2019, 48, 6666-6674.	1.0	4
124	Hierarchical Vertically Aligned Titanium Carbide (MXene) Array for Flexible All-Solid-State Supercapacitor with High Volumetric Capacitance. <i>ACS Applied Energy Materials</i> , 2019, 2, 6834-6840.	2.5	18
125	Hierarchical porous carbon foam supported on carbon cloth as high-performance anodes for aqueous supercapacitors. <i>Journal of Power Sources</i> , 2019, 439, 227066.	4.0	21
126	Impact of Singly Occupied Molecular Orbital Energy on the n-Doping Efficiency of Benzimidazole Derivatives. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 37981-37990.	4.0	32
127	Effect of Electrode Material on Electrodeposition of Tungsten Oxide. <i>Russian Journal of Applied Chemistry</i> , 2019, 92, 1006-1012.	0.1	1
128	Facile Synthesis of Novel VO <sub>0.13</sub> Mo <sub>0.87</sub> O <sub>2.935</sub> Nanowires With High-Rate Supercapacitive Performance. <i>Frontiers in Chemistry</i> , 2019, 7, 595.	1.8	7
129	Synthesis of polypyrrole coated melamine foam by in-situ interfacial polymerization method for highly compressible and flexible supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 617-627.	5.0	41



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130	Potassium-assisted carbonization of pyrrole to prepare nanorod-structured graphitic carbon with a high surface area for high-rate supercapacitors. <i>Carbon</i> , 2019, 155, 326-333.	5.4	12
131	Interface modification of hierarchical Co <sub>9</sub> S <sub>8</sub> @NiCo layered dihydroxide nanotube arrays using polypyrrole as charge transfer layer in flexible all-solid asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2019, 439, 227103.	4.0	63
132	A long-life pseudocapacitive triazine-based porous organic framework and resulting N-doped microporous carbons for supercapacitance application. <i>Functional Materials Letters</i> , 2019, 12, 1950065.	0.7	6
133	Water/Oxygen Circulation-Based Biophotocatalytic System for Solar Energy Storage and Release. <i>Journal of the American Chemical Society</i> , 2019, 141, 16416-16421.	6.6	21
134	Ultrasonication-assisted synthesis of novel strontium based mixed phase structures for supercapattery devices. <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104736.	3.8	81
135	Molecular Design, Synthetic Strategies, and Applications of Cationic Polythiophenes. <i>Chemical Reviews</i> , 2019, 119, 11442-11509.	23.0	39
136	NiCo <sub>2</sub> O <sub>4</sub> @Polyaniline Nanotubes Heterostructure Anchored on Carbon Textiles with Enhanced Electrochemical Performance for Supercapacitor Application. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25549-25558.	1.5	46
137	Correlation between the interfacial ion dynamics and charge storage properties of poly(ortho-phenylenediamine) electrodes exhibiting high cycling stability. <i>Journal of Power Sources</i> , 2019, 438, 227032.	4.0	9
138	Estimation of dynamic tire force by measurement of vehicle body responses with numerical and experimental validation. <i>Mechanical Systems and Signal Processing</i> , 2019, 123, 369-385.	4.4	39
139	Hierarchical nickel/phosphorus/nitrogen/carbon composites templated by one metal-organic framework as highly efficient supercapacitor electrode materials. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2875-2883.	5.2	38
140	A "chain" strategy to construct a conjugated copolymer network for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 116-123.	5.2	29
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143	Characterization of Solvent-Treated PEDOT:PSS Thin Films with Enhanced Conductivities. <i>Polymers</i> , 2019, 11, 134.	2.0	43
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145	Growth of polyaniline on TiO <sub>2</sub> tetragonal prism arrays as electrode materials for supercapacitor. <i>Electrochimica Acta</i> , 2019, 300, 373-379.	2.6	38
146	Synthesis and electrochemical properties of various dimensional poly(1,5-diaminoanthraquinone) nanostructures: Nanoparticles, nanotubes and nanoribbons. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 1-7.	5.0	19
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151	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
152	Solvent-tuned chemoselective carboazidation and diazidation of alkenes <i>via</i> iron catalysis. <i>Organic Chemistry Frontiers</i> , 2019, 6, 512-516.	2.3	35
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715	Graphene decorated LiMn <sub>2</sub> O <sub>4</sub> electrode material for hybrid type energy storage devices. <i>Energy Storage</i> , 2023, 5, .	2.3	2
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717	Recent advances in metal pyrophosphates for electrochemical supercapacitors: A review. <i>Journal of Energy Storage</i> , 2022, 52, 104986.	3.9	17
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