

CITATION REPORT

List of articles citing

High-Performance Supercapacitor Electrode Materials from Cellulose-Derived Carbon Nanofibers

DOI: 10.1021/acsami.5b03757

ACS Applied Materials & Interfaces, 2015, 7, 14946-53.

Source: <https://exaly.com/paper-pdf/62013477/citation-report.pdf>

Version: 2024-04-10

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
164	Supercapacitors Based on Reduced Graphene Oxide Nanofibers Supported Ni(OH) ₂ Nanoplates with Enhanced Electrochemical Performance.		
163	Flexible Hybrid Membranes with Ni(OH) ₂ Nanoplatelets Vertically Grown on Electrospun Carbon Nanofibers for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22669-22677	8.5	132
162	N,O-codoped porous carbon nanosheets for capacitors with ultra-high capacitance. 2016 , 59, 547-557		18
161	Powering the future: application of cellulose-based materials for supercapacitors. 2016 , 18, 5930-5956		142
160	A Binder-Free Hybrid of CuO-Microspheres and rGO Nanosheets as an Alternative Material for Next Generation Energy Storage Application. 2016 , 1, 2826-2833		26
159	Electrospun-Technology-Derived High-Performance Electrochemical Energy Storage Devices. 2016 , 11, 2967-2995		33
158	Nitrogen-Doped Porous Carbon/Graphene Aerogel with Much Enhanced Capacitive Behaviors. <i>Electrochimica Acta</i> , 2016 , 215, 100-107	6.7	27
157	Facile preparation of MnO ₂ @C composite nanorods for high-performance supercapacitors. 2016 , 27, 13314-13322		4
156	Recent advances in electrospun metal-oxide nanofiber based interfaces for electrochemical biosensing. 2016 , 6, 94595-94616		92
155	Textile-Based Electrochemical Energy Storage Devices. 2016 , 6, 1600783		216
154	High-performance supercapacitor electrode from cellulose-derived, inter-bonded carbon nanofibers. <i>Journal of Power Sources</i> , 2016 , 324, 302-308	8.9	100
153	One-step electrospinning of carbon nanowebs on metallic textiles for high-capacitance supercapacitor fabrics. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6802-6808	13	66
152	Solar-assisting pyrolytically reclaimed carbon fiber and their hybrids of MnO ₂ /RCF for supercapacitor electrodes. <i>Carbon</i> , 2017 , 114, 230-241	10.4	32
151	One-Dimensional Assembly of Conductive and Capacitive Metal Oxide Electrodes for High-Performance Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10730-10742	8.5	69
150	Green Synthesis of Electrospun Porous Carbon Nanofibers from Sucrose and Doping of Ag Nanoparticle with Improved Electrical and Electrochemical Properties. 2017 , 2, 2265-2276		12
149	Bacterial cellulose-based sheet-like carbon aerogels for the in situ growth of nickel sulfide as high performance electrode materials for asymmetric supercapacitors. <i>Nanoscale</i> , 2017 , 9, 4445-4455	7.7	62
148	Novel binder-free electrode materials for supercapacitors utilizing high surface area carbon nanofibers derived from immiscible polymer blends of PBI/6FDA-DAM:DABA. 2017 , 7, 20947-20959		24

147	Research progress on conducting polymer based supercapacitor electrode materials. 2017 , 36, 268-285		715
146	High Volumetric Energy Density Hybrid Supercapacitors Based on Reduced Graphene Oxide Scrolls. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22398-22407	9.5	36
145	Biomass-derived carbon electrode materials for supercapacitors. 2017 , 1, 1265-1281		198
144	Active carbon electrode fabricated via large-scale coating-transfer process for high-performance supercapacitor. 2017 , 123, 1		7
143	Nanocellulose-mediated hybrid polyaniline electrodes for high performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12969-12976	13	55
142	Electrode and electrolyte materials for electrochemical capacitors. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 25565-25587	6.7	63
141	Nanocellulose-based conductive materials and their emerging applications in energy devices - A review. 2017 , 35, 299-320		264
140	Polysaccharides in Supercapacitors. 2017 , 15-53		1
139	Polypyrrole composites with carbon materials for supercapacitors. 2017 , 71, 293-316		30
138	Charge storage at the nanoscale: understanding the trends from the molecular scale perspective. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21049-21076	13	39
137	Flexible carbon nanofiber mats with improved graphitic structure as scaffolds for efficient all-solid-state supercapacitor. <i>Electrochimica Acta</i> , 2017 , 247, 1060-1071	6.7	22
136	Electrospinning of Photocatalytic Electrodes for Dye-sensitized Solar Cells. 2017 ,		2
135	Balancing the electrical double layer capacitance and pseudocapacitance of hetero-atom doped carbon. <i>Nanoscale</i> , 2017 , 9, 13119-13127	7.7	75
134	High-frequency electrochemical capacitors based on plasma pyrolyzed bacterial cellulose aerogel for current ripple filtering and pulse energy storage. 2017 , 40, 107-114		61
133	Porous Carbon with Willow-Leaf-Shaped Pores for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42699-42707	9.5	25
132	Electrospun Nanomaterials for Supercapacitor Electrodes: Designed Architectures and Electrochemical Performance. 2017 , 7, 1601301		246
131	Electrospun composite nanofiber mats of Cellulose@Organically modified montmorillonite for heavy metal ion removal: Design, characterization, evaluation of absorption performance. 2017 , 92, 10-16		64
130	Electrodeposition of Ag nanoparticles on conductive polyaniline/cellulose aerogels with increased synergistic effect for energy storage. 2017 , 156, 19-25		64

129	Effects of Nanoporous Carbon Derived from Microalgae and Its CoO Composite on Capacitance. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4362-4373	9.5	18
128	Enhanced Electrochemical Performance by Strongly Anchoring Highly Crystalline Polyaniline on Multiwalled Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43939-43949	9.5	31
127	Carbon Nanofiber Aerogel Converted from Bacterial Cellulose for Kilohertz AC-Supercapacitors. 2018 , 3, 855-860		5
126	Templated microwave synthesis of luminescent carbon nanofibers.. 2018 , 8, 12907-12917		11
125	N-enriched multilayered porous carbon derived from natural casings for high-performance supercapacitors. <i>Applied Surface Science</i> , 2018 , 444, 661-671	6.7	34
124	Carbon origami: A method to fabricate lightweight carbon cellular materials. <i>Carbon</i> , 2018 , 133, 140-149	10.4	19
123	Electrospun nanofibers composed of poly(vinylidene fluoride-co-hexafluoropropylene) and poly(oxyethylene)-imide imidazolium tetrafluoroborate as electrolytes for solid-state electrochromic devices. 2018 , 177, 32-43		12
122	Electrospun carbon nanofiber web electrode: Supercapacitor behavior in various electrolytes. 2018 , 135, 45723		20
121	Synthesis of rose like structured LaCoO ₃ assisted functionalized carbon nanofiber nanocomposite for efficient electrochemical detection of anti-inflammatory drug 4-aminoantipyrine. <i>Electrochimica Acta</i> , 2018 , 260, 571-581	6.7	24
120	Preparation and one-step activation of nanoporous ultrafine carbon fibers derived from polyacrylonitrile/cellulose blend for used as supercapacitor electrode. 2018 , 53, 4527-4539		15
119	Freestanding supercapacitor electrode applications of carbon nanofibers based on polyacrylonitrile and polyhedral oligomeric silsesquioxane. 2018 , 139, 72-80		24
118	Hierarchical Porous Carbon Microfibers Derived from Tamarind Seed Coat for High-Energy Supercapacitor Application. 2018 , 3, 12832-12840		32
117	Highly activated porous carbon with 3D microspherical structure and hierarchical pores as greatly enhanced cathode material for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2018 , 391, 162-169	8.9	53
116	Facile synthesis of flexible electrode based on cotton/polypyrrole/multi-walled carbon nanotube composite for supercapacitors. <i>Cellulose</i> , 2018 , 25, 4079-4091	5.5	37
115	A Roadmap for Achieving Sustainable Energy Conversion and Storage: Graphene-Based Composites Used Both as an Electrocatalyst for Oxygen Reduction Reactions and an Electrode Material for a Supercapacitor. 2018 , 11, 167		16
114	Controlled Synthesis of Fe ₃ O ₄ Nanospheres Coated with Nitrogen-Doped Carbon for High Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4599-4605	6.1	16
113	Hierarchical porous carbon materials derived from waste lentinus edodes by a hybrid hydrothermal and molten salt process for supercapacitor applications. <i>Applied Surface Science</i> , 2018 , 462, 862-871	6.7	76
112	Supercapacitance and oxygen reduction characteristics of sulfur self-doped micro/mesoporous bio-carbon derived from lignin. 2018 , 216, 508-516		53

111	2D MoSe ₂ -Ni(OH) ₂ nanohybrid as an efficient electrode material with high rate capability for asymmetric supercapacitor applications. <i>Chemical Engineering Journal</i> , 2019 , 355, 881-890	14.7	153
110	High Entropy Oxides-A Cost-Effective Catalyst for the Growth of High Yield Carbon Nanotubes and Their Energy Applications. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30846-30857	9.5	32
109	Nanocellulose applications in sustainable electrochemical and piezoelectric systems: A review. 2019 , 224, 115149		42
108	N, S Dual-Doped Carbon Derived from Dye Sludge by Using Polymeric Flocculant as Soft Template. <i>Nanomaterials</i> , 2019 , 9,	5.4	4
107	Thiol-based chemistry as versatile routes for the effective functionalization of cellulose nanofibers. 2019 , 226, 115259		18
106	Review of supercapacitors: Materials and devices. <i>Journal of Energy Storage</i> , 2019 , 21, 801-825	7.8	587
105	Porous Layered Carbon with Interconnected Pore Structure Derived from Reed Membranes for Supercapacitors. 2019 , 7, 10742-10750		33
104	Nitrogen-doped hierarchically ellipsoidal porous carbon derived from Al-based metal-organic framework with enhanced specific capacitance and rate capability for high performance supercapacitors. <i>Journal of Power Sources</i> , 2019 , 432, 102-111	8.9	34
103	Biomass-Based N, P, and S Self-Doped Porous Carbon for High-Performance Supercapacitors. 2019 ,		9
102	Nanocellulose based functional materials for supercapacitor applications. 2019 , 4, 333-340		29
101	Laser-Induced Graphene Composites for Printed, Stretchable, and Wearable Electronics. 2019 , 4, 1900162		34
100	Boosting the pseudocapacitance of nitrogen-rich carbon nanorod arrays for electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12086-12094	13	23
99	Polyacetylene carbon materials: facile preparation using AlCl ₃ catalyst and excellent electrochemical performance for supercapacitors.. 2019 , 9, 11986-11995		3
98	Polyvinylpyrrolidone/cellulose acetate nanofibers synthesized using electrospinning method and their characteristics. 2019 , 6, 064002		18
97	Ultra-high performance and flexible polypyrrole coated CNT paper electrodes for all-solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10751-10760	13	69
96	Recent developments in biomass-derived carbon as a potential sustainable material for super-capacitor-based energy storage and environmental applications. 2019 , 140, 54-85		61
95	Preparation of cellulose acetate derived carbon nanofibers by ZnCl ₂ activation as a supercapacitor electrode.. 2019 , 9, 6419-6428		27
94	Electrospun polyacrylonitrile/lauric acid composite nanofiber webs as a thermal energy storage material. 2019 , 14, 155892501882489		2

93	Synthesis of a Novel Petal-Shaped Biomass-Derived Carbon Material with Controlled Pore Structure and Nitrogen Content for Use in Supercapacitors. 2019 , 6, 5896-5905		7
92	Synthesis of P-Doped and NiCo-Hybridized Graphene-Based Fibers for Flexible Asymmetrical Solid-State Micro-Energy Storage Device. 2019 , 15, e1803469		25
91	Nitrogen-doped nanocarbons (NNCs): Current status and future opportunities. 2019 , 15, 67-76		14
90	Nitrogen doping polyvinylpyrrolidone-based carbon nanofibers via pyrolysis of g-C ₃ N ₄ with tunable chemical states and capacitive energy storage. <i>Electrochimica Acta</i> , 2020 , 330, 135212	6.7	18
89	Improving hydrogen evolution reaction and capacitive properties on CoS/MoS ₂ decorated carbon fibers. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 7788-7800	6.7	10
88	Biomass-derived mesoporous carbons materials coated by Mn ₃ O ₄ with ultrafast zinc-ion diffusion ability as cathode for aqueous zinc ion batteries. <i>Electrochimica Acta</i> , 2020 , 335, 135642	6.7	36
87	Carbonized Cellulose Nanofibril/Graphene Oxide Composite Aerogels for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 1145-1151	6.1	29
86	Bilayer carbon nanowires/nickel cobalt hydroxides nanostructures for high-performance supercapacitors. <i>Materials Letters</i> , 2020 , 263, 127217	3.3	42
85	Effect of pyrolysis temperature on lithium storage performance of pyrolytic-PVDF coated hard carbon derived from cellulose. 2020 , 242, 122380		4
84	Nanocarbon Materials Toward Textile-Based Electrochemical Energy Storage Devices. 2020 , 123-143		1
83	Recent advances in carbon nanofibers and their applications – A review. 2020 , 138, 109963		49
82	Fabrication and characterization of supercapacitor electrodes using chemically synthesized CuO nanostructure and activated charcoal (AC) based nanocomposite. 2020 , 22, 1		2
81	Lignocellulose materials for supercapacitor and battery electrodes: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 134, 110345	16.2	30
80	An intuitive review of supercapacitors with recent progress and novel device applications. <i>Journal of Energy Storage</i> , 2020 , 31, 101652	7.8	75
79	Promising Rice-Husk-Derived Carbon/Ni(OH) ₂ Composite Materials as a High-Performing Supercapacitor Electrode. 2020 , 5, 29896-29902		11
78	State of the Art and New Directions on Electrospun Lignin/Cellulose Nanofibers for Supercapacitor Application: A Systematic Literature Review. <i>Polymers</i> , 2020 , 12,	4.5	18
77	Polysaccharide-Based Hydrogels Derived from Cellulose: The Architecture Change from Nanofibers to Hydrogels for a Putative Dual Function in Dye Wastewater Treatment. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 9725-9732	5.7	16
76	Nitrogen/Oxygen Enriched Hierarchical Porous Carbons Derived from Waste Peanut Shells Boosting Performance of Supercapacitors. 2020 , 6, 2000450		6

75	Wood-Derived Carbon Materials and Light-Emitting Materials. 2021 , 33, e2000596		30
74	Lignin-derived nitrogen-doped polyacrylonitrile/polyaniline carbon nanofibers by electrospun method for energy storage. 2020 , 26, 4651-4660		7
73	Multifaceted applications of cellulosic porous materials in environment, energy, and health. 2020 , 106, 101253		31
72	Key issues facing electrospun carbon nanofibers in energy applications: on-going approaches and challenges. <i>Nanoscale</i> , 2020 , 12, 13225-13248	7.7	38
71	Nanocrystalline Cellulose Confined in Amorphous Carbon Fibers as Capacitor Material for Efficient Energy Storage. 2020 , 124, 7007-7015		20
70	Cellulose-derived carbon-based electrodes with high capacitance for advanced asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2020 , 457, 228056	8.9	15
69	Recent advances in electrospun nanofibers for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 16747-16789	13	79
68	Citric acid-incorporated cellulose nanofibrous mats as food materials-based biosorbent for removal of hexavalent chromium from aqueous solutions. 2020 , 149, 459-466		24
67	Effects of Solid Acid Supports on the Bifunctional Catalysis of Levulinic Acid to γ -Valerolactone: Catalytic Activity and Stability. 2020 , 15, 1182-1201		21
66	. 2020 ,		2
65	Construction of Sn/Mo bimetallic oxide nanoparticle-encapsulated P-doped 3D hierarchical porous carbon through an in-situ reduction and competitive cross-linking strategy for efficient pseudocapacitive energy storage. <i>Electrochimica Acta</i> , 2020 , 343, 136106	6.7	8
64	Bio-inspired heteroatom-doped hollow auri-like structured carbon for high-performance sodium-ion batteries and supercapacitors. <i>Journal of Power Sources</i> , 2020 , 461, 228128	8.9	16
63	Direct Dissolution of Cellulose in NaOH/Urea/Lipoic Acid Aqueous Solution to Fabricate All Biomass-Based Nitrogen, Sulfur Dual-Doped Hierarchical Porous Carbon Aerogels for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 21528-21538	9.5	25
62	Electrochemical analysis of CuO-AC based nanocomposite for supercapacitor electrode application. <i>Materials Today: Proceedings</i> , 2020 , 28, 366-374	1.4	6
61	Electrospun carbon nanofibers as electrode materials for supercapacitor applications. 2021 , 641-688		2
60	Micro-meso porous structured carbon nanofibers with ultra-high surface area and large supercapacitor electrode capacitance. <i>Journal of Power Sources</i> , 2021 , 482, 228986	8.9	41
59	Recent advances in polysaccharide-based carbon aerogels for environmental remediation and sustainable energy. <i>Sustainable Materials and Technologies</i> , 2021 , 27, e00240	5.3	4
58	Investigation of the mechanism of small size effect in carbon-based supercapacitors. <i>Nanoscale</i> , 2021 , 13, 12697-12710	7.7	2

57	Electrochemical study of copper oxide and activated charcoal based nanocomposite electrode for supercapacitor. <i>Materials Today: Proceedings</i> , 2021 , 46, 5722-5729	1.4	1
56	Cellulose Acetate-Based Nanofibers: Synthesis, Manufacturing, and Applications. 2021 , 203-236		1
55	Overview of cellulose-based flexible materials for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7278-7300	13	25
54	Biomass-Derived Carbon Materials for High-Performance Supercapacitors: Current Status and Perspective. <i>Electrochemical Energy Reviews</i> , 2021 , 4, 219-248	29.3	18
53	Design of Metals Sulfides with Carbon Materials for Supercapacitor Applications: A Review. <i>Energy Technology</i> , 2021 , 9, 2000987	3.5	13
52	Large-surface-area activated carbon with high density by electrostatic densification for supercapacitor electrodes. <i>Carbon</i> , 2021 , 175, 281-288	10.4	25
51	High-performance nanostructured bio-based carbon electrodes for energy storage applications. <i>Cellulose</i> , 2021 , 28, 1-50	5.5	5
50	Hydrophobic Interface Starch Nanofibrous Film for Food Packaging: From Bioinspired Design to Self-Cleaning Action. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 5067-5075	5.7	11
49	Facile synthesis of Ni-Co layered double hydroxide with nitrates as interlayer anions via an oxidation-induced anion intercalation process for hybrid supercapacitors. <i>Electrochimica Acta</i> , 2021 , 377, 138087	6.7	7
48	Preparation, Properties and Use of Nanocellulose from Non-Wood Plant Materials.		3
47	Ragone Plots for Electrochemical Double-Layer Capacitors. <i>Batteries and Supercaps</i> , 2021 , 4, 1291-1303	5.6	7
46	A symmetric ZnO-ZIF8//Mo-ZIF8 supercapacitor and comparing with electrochemical of Pt, Au, and Cu decorated ZIF-8 electrodes. <i>Journal of Molecular Liquids</i> , 2021 , 333, 116007	6	11
45	Carbon Quantum Dots for Energy Applications: A Review. <i>ACS Applied Nano Materials</i> , 2021 , 4, 6515-6543	3.6	25
44	Redox-active polymers as organic electrode materials for sustainable supercapacitors. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 147, 111247	16.2	11
43	Value-added apple-derived carbonaceous aerogel for robust supercapacitor. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 30727-30738	6.7	0
42	Conducting polymer/graphene hydrogel electrodes based aqueous smart Supercapacitors: A review and future prospects. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 898, 115626	4.1	6
41	Starch/tea polyphenols nanofibrous films for food packaging application: From facile construction to enhance mechanical, antioxidant and hydrophobic properties. <i>Food Chemistry</i> , 2021 , 360, 129922	8.5	14
40	3D printable ink for double-electrical-layer-enhanced electrode of microsupercapacitors. <i>Journal of Power Sources</i> , 2021 , 512, 230468	8.9	0

39	Design and fabrication of cellulose derived free-standing carbon nanofiber membranes for high performance supercapacitors. <i>Carbohydrate Polymer Technologies and Applications</i> , 2021 , 2, 100117	1.7	1
38	Electrochemically engineered zinc(iron)oxyhydroxide/zinc ferrite heterostructure with interfacial microstructure and hydrophilicity ideal for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 607-617	9.3	0
37	Biopolymer-based (nano)materials for supercapacitor applications. 2021 , 609-671		0
36	Nanopolysaccharides in Energy Storage Applications. <i>Springer Series in Biomaterials Science and Engineering</i> , 2019 , 137-169	0.6	
35	A novel perspective on interfacial interactions between polypyrrole and carbon materials for improving performance of supercapacitors. <i>Applied Surface Science</i> , 2022 , 573, 151626	6.7	1
34	Free-standing porous carbon nanofiber membranes obtained by one-step carbonization and activation for high-performance supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2021 , 329, 111545	5.3	9
33	Special techniques and advanced structures. 2022 , 31-63		
32	Design and synthesis of MOF-derived CuO/g-C ₃ N ₄ composites with octahedral structures as advanced anode materials for asymmetric supercapacitors with high energy and power densities. <i>Materials Advances</i> ,	3.3	1
31	Supercapacitors based on electrospun metal oxide nanofibers. 2022 , 361-393		0
30	Advanced Semiconductor/Conductor Materials. 2022 , 557-596		1
29	Polydopamine Doping and Pyrolysis of Cellulose Nanofiber Paper for Fabrication of Three-Dimensional Nanocarbon with Improved Yield and Capacitive Performances.. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
28	Route to a Porous Carbon Nanofiber Membrane Containing Fe ₃ Cy/Fe by Facile In Situ Ion-Exchange Functionalization of the PAA Carboxyl Group: Exemplified by a Supercapacitor. <i>ACS Applied Energy Materials</i> ,	6.1	2
27	Cellulose-Derived Nanostructures as Sustainable Biomass for Supercapacitors: A Review.. <i>Polymers</i> , 2022 , 14,	4.5	0
26	Cellulose Nanocrystals in Sustainable Energy Systems. <i>Advanced Sustainable Systems</i> , 2100395	5.9	5
25	Flexible, ultralight, and high-energy density electrochemical capacitors using sustainable materials. <i>Electrochimica Acta</i> , 2022 , 415, 140239	6.7	1
24	Passion fruit-like microspheres of FeS ₂ wrapped with carbon as excellent fast charging materials for supercapacitors. <i>New Journal of Chemistry</i> ,	3.6	2
23	Interconnected and porous carbon nanofiber using glutaraldehyde crosslinking and sacrificial pore-forming strategies for supercapacitor electrode application. <i>Materials Letters</i> , 2022 , 320, 132357	3.3	0
22	Construction of nickel ferrite nanoparticle-loaded on carboxymethyl cellulose-derived porous carbon for efficient pseudocapacitive energy storage.. <i>Journal of Colloid and Interface Science</i> , 2022 , 622, 327-335	9.3	2

- 21 Hierarchically Porous Wood Aerogel/polypyrrole(PPy) Composite Thick Electrode for Supercapacitor. *Chemical Engineering Journal*, **2022**, 137331 14.7 1
- 20 Recent development and prospective of carbonaceous material, conducting polymer and their composite electrode materials for supercapacitor A review. *Journal of Energy Storage*, **2022**, 52, 104937 7.8 3
- 19 Electrospun Nanofibers based Electrodes and Electrolytes for Supercapacitors. **2022**, 351-389
- 18 A critical review on polyimide derived carbon materials for high-performance supercapacitor electrodes. **2022**, 55, 105667 1
- 17 High areal energy density micro-supercapacitors from structure-engineered graphene electrodes via self-sacrificing template. **2022**, 927, 166965 0
- 16 Insight into Cellulose Nanosizing for Advanced Electrochemical Energy Storage and Conversion: A Review. **2022**, 5, 0
- 15 2,6-diaminoanthraquinone anchored on functionalized biomass porous carbon boosts electrochemical stability for metal-free redox supercapacitor electrode. **2022**, 141533 0
- 14 Recent advances in lignin-based carbon materials and their applications: A review. **2022**, 223, 980-1014 0
- 13 Preparation of cellulose carbon material from cow dung and its CO₂ adsorption performance. **2023**, 68, 102377 0
- 12 Salt-activated phenolic resin/PAN-derived core-sheath nanostructured carbon nanofiber composites for capacitive energy storage. 0
- 11 Metal-free spent disposable papercup-derived porous carbon as air-breathing electrode for rechargeable lithium-air battery. 0
- 10 Conductive Cellulose-Derived Carbon Nanofibrous Membranes with Superior Softness for High-Resolution Pressure Sensing and Electrophysiology Monitoring. **2023**, 15, 1903-1913 1
- 9 Potential impact of smart-hybrid supercapacitors in novel electronic devices and electric vehicles. **2023**, 795-850 0
- 8 CuCo₂O₄ nanoplates anchored to multiwall carbon nanotubes as an enhanced supercapacitive performance. **2023**, 62, 106923 0
- 7 Tailored functional group vitalization on mesoporous carbon nanofibers for ultrafast electrochemical capacitors. **2023**, 623, 157081 0
- 6 High performance of supercapacitor based on alumina nanoparticles derived from Coca-Cola cans. **2023**, 64, 107168 0
- 5 Review and Perspectives of Sustainable Lignin, Cellulose, and Lignocellulosic Carbon Special Structures for Energy Storage. **2023**, 37, 2498-2519 0
- 4 Recent Advancements and Perspectives of Biodegradable Polymers for Supercapacitors. **2023**, 33, 0

- 3 Construction of NiCo₂O₄ nanoflake arrays on cellulose-derived carbon nanofibers as a freestanding electrode for high-performance supercapacitors. o
- 2 Carbon Materials as a Conductive Skeleton for Supercapacitor Electrode Applications: A Review. **2023**, 13, 1049 o
- 1 Biomass-derived carbon for supercapacitors electrodes A review of recent advances. **2023**, 153, 110768 o