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Influence of multi-walled carbon nanotubes on the electrochemical performance of graphene nanocomposites for supercapacitor electrodes

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#	Paper	IF	Citations
92	Synthesis of nano-scale coated manganese oxide on graphite nanofibers and their high electrochemical performance. <i>Synthetic Metals</i> , 2011 , 161, 1966-1971	3.6	5
91	Graphite-Composites Alternatives for Electrochemical Biosensor. 2011 ,		2
90	Synthesis of carbon-coated graphene electrodes and their electrochemical performance. <i>Electrochimica Acta</i> , 2011 , 56, 6547-6553	6.7	43
89	Graphene for energy harvesting/storage devices and printed electronics. <i>Particuology</i> , 2012 , 10, 1-8	2.8	98
88	Enhanced capacitive deionization performance of graphene/carbon nanotube composites. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14696		276
87	Study on the application of reduced graphene oxide and multiwall carbon nanotubes hybrid materials for simultaneous determination of catechol, hydroquinone, p-cresol and nitrite. <i>Analytica Chimica Acta</i> , 2012 , 724, 40-6	6.6	198
86	Synthesis of activated carbon nanotube/copper oxide composites and their electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2012 , 530, 6-10	5.7	110
85	A novel label-free electrochemical aptasensor based on graphene-polyaniline composite film for dopamine determination. <i>Biosensors and Bioelectronics</i> , 2012 , 36, 186-91	11.8	155
84	Synthesis of microporous carbon nanotubes by templating method and their high electrochemical performance. <i>Electrochimica Acta</i> , 2012 , 78, 147-153	6.7	13
83	A study of ion charge transfer on electrochemical behaviors of poly(vinylidene fluoride)-derived carbon electrodes. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012 , 98, 22-28	6	4
82	Microwave-assisted synthesis of reduced graphene oxide/carbon nanotube composites as negative electrode materials for lithium ion batteries. <i>Solid State Ionics</i> , 2012 , 229, 9-13	3.3	31
81	Surfactant-stabilized graphene/polyaniline nanofiber composites for high performance supercapacitor electrode. <i>Journal of Materials Chemistry</i> , 2012 , 22, 80-85		221
80	Adsorption Behaviors of Graphene and Graphene-related Materials. 2012 , 435-467		1
79	Synthesis and high electrochemical performance of polyaniline/MnO ₂ -coated multi-walled carbon nanotube-based hybrid electrodes. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 2751-2758	2.6	34
78	Graphene/carbon nanotube composites not exhibiting synergic effect for supercapacitors: The resulting capacitance being average of capacitance of individual components. <i>Electrochemistry Communications</i> , 2012 , 17, 45-47	5.1	35
77	Preparation and electrochemical capacitance of hierarchical graphene/polypyrrole/carbon nanotube ternary composites. <i>Electrochimica Acta</i> , 2012 , 69, 160-166	6.7	83
76	Polypyrrole/carbon nanotube nanocomposite enhanced the electrochemical capacitance of flexible graphene film for supercapacitors. <i>Journal of Power Sources</i> , 2012 , 197, 319-324	8.9	169

75	Flexible Supercapacitors □Development of Bendable Carbon Architectures. <i>ACS Symposium Series</i> , 2013 , 101-141	0.4	4
74	An electrogenerated chemiluminescence sensor prepared with a graphene/multiwall carbon nanotube/gold nanocluster hybrid for the determination of phenolic compounds. <i>Analyst, The</i> , 2013 , 138, 6001-6	5	44
73	Electrochemical immunosensor based on graphene□polyaniline composites and carboxylated graphene oxide for estradiol detection. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 99-105	8.5	64
72	Electrogenerated chemiluminescence of luminol at a gold nanoparticle□carbon nanotube□graphene composite modified glassy carbon electrode in neutral solution. <i>Analytical Methods</i> , 2013 , 5, 5954	3.2	5
71	Nano graphene based sensor for antiarrhythmic agent quinidine in solubilized system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 105, 278-83	6	33
70	Thermally reduced graphene oxide acting as a trap for multiwall carbon nanotubes in bi-filler epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013 , 49, 51-57	8.4	33
69	Polyaniline uniformly coated on graphene oxide sheets as supercapacitor material with improved capacitive properties. <i>Materials Chemistry and Physics</i> , 2013 , 139, 572-579	4.4	37
68	Asymmetric hybrid capacitors based on activated carbon and activated carbon fibre□ANI electrodes. <i>Electrochimica Acta</i> , 2013 , 89, 326-333	6.7	82
67	Recent advances in polyaniline composites with metals, metalloids and nonmetals. <i>Synthetic Metals</i> , 2013 , 170, 31-56	3.6	164
66	Graphene-based electrodes for electrochemical energy storage. <i>Energy and Environmental Science</i> , 2013 , 6, 1388	35.4	631
65	Carbon Nanotubes for Energy Applications. 2013 ,		11
64	3,4,9,10-Perylene Tetracarboxylic Acid Noncovalently Modified Multiwalled Carbon Nanotubes: Synthesis, Characterization, and Application for Electrochemical Determination of 2-Aminonaphthalene. <i>Analytical Letters</i> , 2014 , 47, 2370-2383	2.2	4
63	Improved charging/discharging behavior of electropolymerized nanostructured composite films of polyaniline and electrochemically reduced graphene oxide. <i>Carbon</i> , 2014 , 69, 122-131	10.4	45
62	Biofunctionalisation of electrically conducting polymers. <i>Drug Discovery Today</i> , 2014 , 19, 88-94	8.8	48
61	In Situ Synthesis and Characterization of Polypyrrole/Graphene Conductive Nanocomposites via Electrochemical Polymerization and Chemical Reduction. <i>Journal of Macromolecular Science - Physics</i> , 2014 , 53, 1116-1127	1.4	8
60	CHAPTER 5:Nanotubes for Energy Storage. <i>RSC Nanoscience and Nanotechnology</i> , 2014 , 121-198		
59	Facile synthesis of MnO ₂ /polyaniline nanorod arrays based on graphene and its electrochemical performance. <i>Synthetic Metals</i> , 2014 , 198, 167-174	3.6	48
58	Electrosorption and electrochemical properties of activated-carbon sheet electrode for capacitive deionization. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 732, 66-73	4.1	31

57	Nanoarchitected graphene-based supercapacitors for next-generation energy-storage applications. <i>Chemistry - A European Journal</i> , 2014 , 20, 13838-52	4.8	245
56	Pulse electrochemical incorporation of graphene oxide into polypyrrole films for supercapacitor electrode materials. <i>Electrochimica Acta</i> , 2014 , 137, 685-692	6.7	18
55	Aptasensor based on thionine, graphene/polyaniline composite film, and gold nanoparticles for kanamycin detection. <i>European Food Research and Technology</i> , 2014 , 239, 227-236	3.4	26
54	Silver-coated graphene electrode produced by electrolytic deposition for electrochemical behaviors. <i>Current Applied Physics</i> , 2014 , 14, 1212-1215	2.6	10
53	Aldehyde/poly(ethylene glycol) modified graphene oxide/conducting polymers composite as high-performance electrochemical supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18058-18069	13	35
52	Electrochemical supercapacitors from conducting polyaniline-graphene platforms. <i>Chemical Communications</i> , 2014 , 50, 6298-308	5.8	141
51	Electrochemistry of graphene and related materials. <i>Chemical Reviews</i> , 2014 , 114, 7150-88	68.1	802
50	Programmable Nanocarbon-Based Architectures for Flexible Supercapacitors. <i>Advanced Energy Materials</i> , 2015 , 5, 1500677	21.8	78
49	Application and Uses of Graphene. 2015 , 1-38		13
48	A simple microexplosion synthesis of graphene-based scroll-sheet conjoined nanomaterials for enhanced supercapacitor properties. <i>Electrochimica Acta</i> , 2015 , 172, 71-76	6.7	7
47	CHAPTER 9: Nanostructured Carbon Materials for Energy Conversion and Storage. <i>RSC Catalysis Series</i> , 2015 , 445-506	0.3	
46	Effect of reduced graphene oxide/silica composite in polyaniline: electrode material for high-performance supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 3381-3388	2.6	30
45	Graphene based 2D-materials for supercapacitors. <i>2D Materials</i> , 2015 , 2, 032002	5.9	60
44	Fabrication of PANI-coated honeycomb-like MnO ₂ nanospheres with enhanced electrochemical performance for energy storage. <i>Electrochimica Acta</i> , 2015 , 180, 977-982	6.7	45
43	Recent development in spinel cobaltites for supercapacitor application. <i>Ceramics International</i> , 2015 , 41, 1-14	5.1	68
42	Preparation of Ni(OH) ₂ -graphene sheet-carbon nanotube composite as electrode material for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2015 , 618, 37-43	5.7	38
41	Three-dimensional nanostructures of multiwalled carbon nanotubes/graphene oxide/TiO ₂ nanotubes for supercapacitor applications. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	8
40	Fabrication of electrocatalyst based on nitrogen doped graphene as highly efficient and durable support for using in polymer electrolyte fuel cell. <i>Journal of Power Sources</i> , 2016 , 325, 808-815	8.9	26

39	Graphene and its electrochemistry - an update. <i>Chemical Society Reviews</i> , 2016 , 45, 2458-93	58.5	289
38	Preparation of flower-like TiO ₂ sphere/reduced graphene oxide composites for photocatalytic degradation of organic pollutants. <i>Journal of Solid State Chemistry</i> , 2016 , 239, 91-98	3.3	47
37	Functionalization of chemically derived graphene for improving its electrocapacitive energy storage properties. <i>Energy and Environmental Science</i> , 2016 , 9, 1891-1930	35.4	181
36	Cellulose Framework Directed Construction of Hierarchically Porous Carbons Offering High-Performance Capacitive Deionization of Brackish Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1885-1893	8.3	80
35	Graphene-based materials with tailored nanostructures for energy conversion and storage. <i>Materials Science and Engineering Reports</i> , 2016 , 102, 1-72	30.9	189
34	Moderated surface defects of Ni particles encapsulated with NiO nanofibers as supercapacitor with high capacitance and energy density. <i>Journal of Colloid and Interface Science</i> , 2017 , 500, 155-163	9.3	58
33	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	6.7	40
32	Graphene-CNT Hybrids for Energy Applications. <i>Springer Briefs in Molecular Science</i> , 2017 , 53-90	0.6	2
31	Graphene-Carbon Nanotube Hybrids for Energy and Environmental Applications. <i>Springer Briefs in Molecular Science</i> , 2017 ,	0.6	15
30	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	9.3	40
29	Construction of a highly sensitive non-enzymatic sensor for superoxide anion radical detection from living cells. <i>Biosensors and Bioelectronics</i> , 2017 , 90, 39-45	11.8	44
28	Synthesis and Supercapacitive Properties of Carboxylated Graphene Oxide -Polyaniline/Polypyrrole Nanocomposites. <i>Journal of the Electrochemical Society</i> , 2018 , 165, H291-H299	3.9	12
27	The electrocapacitive properties of polyaniline/VXC-72 composite electrodes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 540, 98-105	5.1	6
26	Facile synthesis of petroleum-based activated carbons/tubular polypyrrole composites with enhanced electrochemical performance as supercapacitor electrode materials. <i>Electrochimica Acta</i> , 2018 , 263, 447-453	6.7	32
25	Development of supercapacitor systems based on binary and ternary nanocomposites using chitosan, graphene and polyaniline. <i>Chemical Data Collections</i> , 2018 , 17-18, 459-471	2.1	12
24	Green preparation and characterization of graphene oxide/carbon nanotubes-loaded carboxymethyl cellulose nanocomposites. <i>Scientific Reports</i> , 2018 , 8, 17601	4.9	31
23	Novel MnO ₂ /cobalt composites nanosheets array as efficient anode for asymmetric supercapacitor. <i>Electrochimica Acta</i> , 2018 , 292, 39-46	6.7	16
22	Prospective Synthesis Approaches to Emerging Materials for Supercapacitor. 2018 , 185-208		2

21	Curved Fragmented Graphenic Hierarchical Architectures for Extraordinary Charging Capacities. <i>Small</i> , 2018 , 14, e1702054	11	8
20	Highly pore-expanded benzidine-functionalized graphene framework for enhanced capacitive deionization. <i>Desalination</i> , 2018 , 445, 149-158	10.3	16
19	Nickel-Hydroxide-Nanohexagon-Based High-Performance Electrodes for Supercapacitors: A Systematic Investigation on the Influence of Six Different Carbon Nanostructures. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 29104-29115	3.8	13
18	Recent Advances in Organic Thermoelectric Materials: Principle Mechanisms and Emerging Carbon-Based Green Energy Materials. <i>Polymers</i> , 2019 , 11,	4.5	51
17	Carbon Nanotube Energy Applications. 2019 , 695-728		3
16	Functionalized Carbon Materials for Electronic Devices: A Review. <i>Micromachines</i> , 2019 , 10,	3.3	42
15	Optimization of the pore structure of PAN-based carbon fibers for enhanced supercapacitor performances via electrospinning. <i>Composites Part B: Engineering</i> , 2019 , 161, 10-17	10	40
14	Salinity Stress Mitigation Using Encapsulated Biofertilizers for Sustainable Agriculture. <i>Sustainability</i> , 2020 , 12, 9218	3.6	4
13	Capacitance Enhancement by Incorporation of Functionalised Carbon Nanotubes into Poly(3,4-Ethylenedioxythiophene)/Graphene Oxide Composites. <i>Materials</i> , 2020 , 13,	3.5	4
12	Enhanced electro-adsorption desalination performance of graphene by TiC. <i>Separation and Purification Technology</i> , 2021 , 254, 117602	8.3	6
11	Modular Hydrogen Peroxide Electrosynthesis Cell with Anthraquinone-Modified Polyaniline Electrocatalyst. <i>ACS ES&T Engineering</i> , 2021 , 1, 446-455		4
10	Application of Carbon Nanotubes for Resolving Issues and Challenges on Electrochemical Capacitors. 2015 , 415-445		1
9	Synthesis and Capacitance Characteristics of the Graphene Grafted Polypyrrole Composites. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2013 , 28, 403-408	1	2
8	Comprehensive review on synthesis and adsorption behaviors of graphene-based materials. <i>Carbon Letters</i> , 2012 , 13, 73-87	2.3	34
7	Graphene/Multi-Walled Carbon Nanotubes Hybrid Materials for Supercapacitors. <i>Clean Technology</i> , 2015 , 21, 62-67		1
6	Influence of KOH Activation on Electrochemical Performance of Coal Tar Pitch-based Activated Carbons for Supercapacitor. <i>Porrime</i> , 2012 , 36, 756-760	1	4
5	Electrochemical Characteristics of Supercapacitor Electrode Using MnO ₂ Electrodeposited Carbon Nanofiber Mats from Lignin-g-PAN Copolymer. <i>Journal of the Korean Wood Science and Technology</i> , 2016 , 44, 750-759	2	1
4	Fabrication and Electrochemical Characteristic Analysis of Iodine-doped Kraft Lignin/Polypyrrole Conductive Fiber Mats. <i>Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry</i> , 2018 , 50, 39-47	1	0

3	Recent progress in the three-dimensional structure of graphene-carbon nanotubes hybrid and their supercapacitor and high-performance battery applications. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022 , 154, 106756	8.4	1
2	Specific Surface Area Characteristic Analysis of Porous Carbon Prepared from Lignin-Polyacrylonitrile Copolymer by Activation Conditions. <i>Journal of the Korean Wood Science and Technology</i> , 2021 , 49, 299-314	2	1
1	Highly Porous Carbon Aerogels for High-Performance Supercapacitor Electrodes. 2023 , 13, 817		0