

# Polyacrylonitrile-based nanofibers”A state-of-the-art

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Nanomanufacturing of large area carbon nanofibers using tube nozzle electrospinning (TNE), lithography and carbonization processes. , 2012, , .		5
2	Method for Production of Polymer and Carbon Nanofibers from Water-Soluble Polymers. Nano Letters, 2012, 12, 3857-3860.	4.5	52
3	Facile synthesis of nitrogen-doped carbonâ€Pt nanoparticle hybrids via carbonization of poly([Bvim][Br]-co-acrylonitrile) for electrocatalytic oxidation of methanol. Journal of Materials Chemistry, 2012, 22, 13578.	6.7	63
4	Surface modification of polyacrylonitrile nanofibrous membranes with superior antibacterial and easy-cleaning properties through hydrophilic flexible spacers. Journal of Membrane Science, 2012, 417-418, 20-27.	4.1	80
5	Carbon Nanofibers Prepared via Electrospinning. Advanced Materials, 2012, 24, 2547-2566.	11.1	686
6	Polyacrylonitrile/polybenzoxazine-based Fe <sub>3</sub> O <sub>4</sub> @carbon nanofibers: hierarchical porous structure and magnetic adsorption property. Journal of Materials Chemistry, 2012, 22, 15919.	6.7	102
7	One-step fabrication of antibacterial (silver nanoparticles/poly(ethylene oxide)) â€ Polyurethane bicomponent hybrid nanofibrous mat by dual-spinneret electrospinning. Materials Chemistry and Physics, 2012, 134, 557-561.	2.0	62
8	In situ transmission electron microscope tensile testing reveals structureâ€property relationships in carbon nanofibers. Carbon, 2013, 60, 246-253.	5.4	55
9	Fabrication and photocatalytic activity of electrospun nylon-6 nanofibers containing tourmaline and titanium dioxide nanoparticles. Ceramics International, 2013, 39, 7143-7148.	2.3	23
10	Dual template method to prepare hierarchical porous carbon nanofibers for high-power supercapacitors. Journal of Solid State Electrochemistry, 2013, 17, 2731-2739.	1.2	21
11	Conducting polymers. VI. Effect of doping with iodine on the dielectrical and electrical conduction properties of polyacrylonitrile. Solid State Sciences, 2013, 24, 140-146.	1.5	31
12	Plasma oxidation and stabilization of electrospun polyacrylonitrile nanofiber for carbon nanofiber formation. Applied Physics A: Materials Science and Processing, 2013, 113, 703-712.	1.1	16
13	Two-nozzle electrospinning of (MWNT/PU)/PU nanofibrous composite mat with improved mechanical and thermal properties. Current Applied Physics, 2013, 13, 1247-1255.	1.1	44
14	Parameter study and characterization for polyacrylonitrile nanofibers fabricated via centrifugal spinning process. European Polymer Journal, 2013, 49, 3834-3845.	2.6	157
15	Osteocompatibility characterization of polyacrylonitrile carbon nanofibers containing bioactive glass nanoparticles. Carbon, 2013, 56, 288-295.	5.4	46
16	Preoxidated polyacrylonitrile fiber mats supported copper catalyst for Mizorokiâ€Heck cross-coupling reactions. Applied Catalysis A: General, 2013, 468, 26-31.	2.2	10
17	Electrospun MgO-loaded carbon nanofibers: Enhanced field electron emission from the fibers in vacuum. Journal of Physics and Chemistry of Solids, 2013, 74, 328-337.	1.9	11
18	Improved mechanical properties of solution-cast silicone film reinforced with electrospun polyurethane nanofiber containing carbon nanotubes. Applied Surface Science, 2013, 264, 453-458.	3.1	31

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19	Si(B)CN-doped carbon nanofibers with excellent oxidation resistance. <i>Materials Letters</i> , 2013, 112, 124-128.	1.3	8
20	Preparation of nitrogen-doped carbon submicrotubes by coaxial electrospinning and their electrocatalytic activity for oxygen reduction reaction in acid media. <i>Electrochimica Acta</i> , 2013, 96, 225-229.	2.6	32
21	Graphitization thermal treatment of carbon nanofibers. <i>Carbon</i> , 2013, 59, 2-32.	5.4	96
22	Coalescing filtration of oily wastewaters: characterization and application of thermal treated, electrospun polystyrene filters. <i>Desalination and Water Treatment</i> , 2013, 51, 5974-5986.	1.0	47
23	Carbon Nanomaterials for Implant Dentistry and Bone Tissue Engineering. , 2013, , 359-388.		0
24	Electrospun carbon nanofibers from polyacrylonitrile blended with activated or graphitized carbonaceous materials for improving anodic bioelectrocatalysis. <i>Bioresource Technology</i> , 2013, 132, 121-126.	4.8	46
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27	Stabilization Process of PAN Nanofibers. , 2013, , 125-139.		0
28	<i>&lt;i&gt;Withdrawn&lt;/i&gt;</i> : Performance enhancement of electrospun carbon fibrous nanostructures. <i>Journal of Applied Polymer Science</i> , 2013, 129, 3077-3077.	1.3	2
29	Nanofibers and thin films as a selective membrane for sensors and microTAS. <i>Journal of Physics: Conference Series</i> , 2013, 421, 012013.	0.3	4
30	Molecular level computational studies of polyethylene and polyacrylonitrile composites containing single walled carbon nanotubes: effect of carboxylic acid functionalization on nanotube-polymer interfacial properties. <i>Frontiers in Chemistry</i> , 2014, 2, 74.	1.8	7
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36	High Throughput Printing of Nanostructured Carbon Electrodes for Supercapacitors. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300014.	1.9	34

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37	Supported palladium nanoparticles on preoxidated polyacrylonitrile fiber mat for coupling reactions. <i>Fibers and Polymers</i> , 2014, 15, 2233-2237.	1.1	8
38	Influence of KMnO <sub>4</sub> concentration and treatment time on PAN precursor and the resulting carbon nanofibers's™ properties. <i>E-Polymers</i> , 2014, 14, 363-372.	1.3	7
39	Adsorptive removal of malachite green dye by functionalized electrospun PAN nanofibers membrane. <i>Fibers and Polymers</i> , 2014, 15, 2272-2282.	1.1	34
40	Preparation of Hollow/Porous Carbon Nanofibers from PAN with High Molecular Weight. <i>Advanced Materials Research</i> , 0, 912-914, 277-280.	0.3	0
41	Growth mechanism of bioglass nanoparticles in polyacrylonitrile-based carbon nanofibers. <i>RSC Advances</i> , 2014, 4, 64299-64309.	1.7	12
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50	Development of a disposable electrode modified with carbonized, graphene-loaded nanofiber for the detection of dopamine in human serum. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	8
51	Carbon Nanofibers Via Electrospinning. , 2014, , 165-188.		3
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60	Silicon nanoparticle and carbon nanotube loaded carbon nanofibers for use in lithium-ion battery anodes. <i>Synthetic Metals</i> , 2014, 198, 36-40.	2.1	22
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75	Graphene/polypyrrole-coated carbon nanofiber core-shell architecture electrode for electrochemical capacitors. <i>RSC Advances</i> , 2015, 5, 12692-12699.	1.7	46
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112	Self-reduced VO/VO <sub>x</sub> /carbon nanofiber composite as binder-free electrode for supercapacitors. <i>Electrochimica Acta</i> , 2016, 209, 709-718.	2.6	33
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123	Carbon nanofiber matrix with embedded LaCO <sub>3</sub> OH synchronously captures phosphate and organic carbon to starve bacteria. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12799-12806.	5.2	36
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