

# Preparation and Characterization of Highly Aligned Carbon Composite Nanofibers

Polymers

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A comparison between the UV protection of PAN/ZnO and PAN/MWNT composite nanofiber mats. Journal of the Textile Institute, 2017, 108, 2086-2089.	1.0	8
2	Enhanced interfacial interaction by grafting carboxylated macromolecular chains on nanodiamond surfaces for epoxy-based thermosets. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1890-1898.	2.4	42
3	Dissolution performance of cellulose in MIM plus tetrabutylammonium propionate solvent. Journal of Molecular Liquids, 2017, 246, 153-156.	2.3	12
4	The role of antioxidants in attenuation of <i>Caenorhabditis elegans</i> lethality on exposure to TiO <sub>2</sub> and ZnO nanoparticles. Chemosphere, 2017, 187, 240-247.	4.2	27
5	The grafting density and thickness of polythiophene-based brushes determine the orientation, conjugation length and stability of the grafted chains. Polymer Chemistry, 2017, 8, 6250-6262.	1.9	28
6	Permeability, thermal and wetting properties of aligned composite nanofiber membranes containing carbon nanotubes. International Journal of Hydrogen Energy, 2017, 42, 19961-19966.	3.8	14
7	High-Throughput Fabrication of Quality Nanofibers Using a Modified Free Surface Electrospinning. Nanoscale Research Letters, 2017, 12, 470.	3.1	29
8	RAFT synthesis and micellization of a photo-, temperature- and pH-responsive diblock copolymer based on spiropyran. Polymer Chemistry, 2017, 8, 7325-7332.	1.9	20
9	Unidirectional compression and expansion of a crosslinked MOF crystal prepared via axis-dependent crosslinking and ligand exchange. Polymer Journal, 2017, 49, 685-689.	1.3	11
10	Effects of Amino-Functionalized Carbon Nanotubes on the Crystal Structure and Thermal Properties of Polyacrylonitrile Homopolymer Microspheres. Polymers, 2017, 9, 332.	2.0	12
11	High Throughput Preparation of Aligned Nanofibers Using an Improved Bubble-Electrospinning. Polymers, 2017, 9, 658.	2.0	38
12	Critical Links Governing Performance of Self-binding and Natural Binders for Hot-pressed Reconstituted Lignocellulosic Board without Added Formaldehyde: A Review. BioResources, 2017, 13, .	0.5	24
13	Fabrication of MWCNT/Cu nanofibers via electrospinning method and analysis of their electrical conductivity by four-probe method. International Journal of Hydrogen Energy, 2018, 43, 721-729.	3.8	21
14	Effects of pore forming agents of potassium bicarbonate and drug loading method against dissolution mechanisms of amoxicillin drugs encapsulated in hydrogel full-Ipn chitosan-poly(N-vinylcaprolactam) as a floating drug delivery system. AIP Conference Proceedings, 2018, . .	0.3	1
15	Electrospun PVA fibers loaded with antioxidant fillers extracted from <i>Durvillaea antarctica</i> algae and their effect on plasticized PLA bionanocomposites. European Polymer Journal, 2018, 103, 145-157.	2.6	50
16	Amino acid-derived stimuli-responsive polymers and their applications. Polymer Chemistry, 2018, 9, 1257-1287.	1.9	143
17	A comparative study on the mechanical, electrical and piezoresistive properties of polymer composites using carbon nanostructures of different topology. European Polymer Journal, 2018, 99, 394-402.	2.6	35
18	Fabrication of a TiO <sub>2</sub> trapped meso/macroporous g-C <sub>3</sub> N <sub>4</sub> heterojunction photocatalyst and understanding its enhanced photocatalytic activity based on optical simulation analysis. Inorganic Chemistry Frontiers, 2018, 5, 481-489.	3.0	23

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19	Reinforcement of natural fiber yarns by cellulose nanomaterials: A multi-scale study. <i>Industrial Crops and Products</i> , 2018, 111, 471-481.	2.5	27
20	Self-assembly and rheological behaviors of intermacromolecular complexes consisting of oppositely charged fluorinated guar gums. <i>Carbohydrate Polymers</i> , 2018, 184, 333-341.	5.1	9
21	Utilization and characterization of amino resins for the production of wood-based panels with emphasis on particleboards (PB) and medium density fibreboards (MDF). A review. <i>Holzforschung</i> , 2018, 72, 653-671.	0.9	27
22	Synthesis, Characterization, and Physicochemical Properties of Hydrophobic Pyridinium-based Ionic Liquids with <i>n</i> -Propyl and <i>i</i> -Propyl. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 489-495.	0.6	4
23	Separation and characterization of cellulose I material from corn straw by low-cost polyhydric protic ionic liquids. <i>Cellulose</i> , 2018, 25, 3241-3254.	2.4	30
24	Effect of drug loading method against the dissolution mechanism of encapsulated amoxicillin trihydrate drug in matrix of semi-IPN chitosan-poly (N-vinyl pyrrolidone) hydrogel with pore forming agent CaCO <sub>3</sub> . <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
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26	Twist of C-C Bond Plays a Crucial Role in the Quenching of AIE-Active Tetraphenylethene Derivatives in Solution. <i>Journal of Physical Chemistry C</i> , 2018, 122, 245-251.	1.5	81
27	Preparation and characterisation of poly(vinyl) alcohol (PVA)/starch (ST)/halloysite nanotube (HNT) nanocomposite films as renewable materials. <i>Journal of Materials Science</i> , 2018, 53, 3455-3469.	1.7	47
28	Microwave-assisted rapid synthesis of Fe <sub>3</sub> O <sub>4</sub> /poly(styrene-divinylbenzene-acrylic acid) polymeric magnetic composites and investigation of their structural and magnetic properties. <i>European Polymer Journal</i> , 2018, 98, 177-190.	2.6	39
29	Comprehensive review on electrospinning of starch polymer for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 712-718.	3.6	164
30	Space Charge Accumulation in Silicone Rubber Influenced by Poole-Frenkel Effect. <i>MATEC Web of Conferences</i> , 2018, 238, 01001.	0.1	1
31	Synthesis and characterization of silver-aqueous polymer (Cts/Dx) nanocomposite. <i>Journal of Physics: Conference Series</i> , 2018, 1139, 012038.	0.3	0
32	Isolation of nanocellulose from oil palm empty fruit bunches using strong acid hydrolysis. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	14
33	Effects of Injection Molding Screw Tips on Polymer Mixing. <i>Periodica Polytechnica, Mechanical Engineering</i> , 2018, 62, 241-246.	0.8	7
34	Fabrication of Beltlike Fibers by Electrospinning. <i>Polymers</i> , 2018, 10, 1087.	2.0	6
35	Polysaccharide Based Hybrid Materials. <i>Springer Briefs in Molecular Science</i> , 2018, , .	0.1	9
36	Polysaccharides-Based Hybrids with Graphene. <i>Springer Briefs in Molecular Science</i> , 2018, , 69-93.	0.1	1

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37	Synthesis of polyacrylonitrile and mechanical properties of its electrospun nanofibers. <i>E-Polymers</i> , 2018, 18, 569-573.	1.3	54
38	Thermal stability improvement of polysiloxane-grafted insulating paper cellulose in micro-water environment. <i>AIP Advances</i> , 2018, 8, .	0.6	7
39	Engineering Cell Surfaces by Covalent Grafting of Synthetic Polymers to Metabolically-Labeled Glycans. <i>ACS Macro Letters</i> , 2018, 7, 1289-1294.	2.3	23
40	Fabrication of Hydrogel Materials for Biomedical Applications. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1077, 197-224.	0.8	21
41	Enhanced thermal conductivity and mechanical property of flexible poly (vinylidene fluoride)/boron nitride/graphite nanoplatelets insulation films with high breakdown strength and reliability. <i>Composites Science and Technology</i> , 2018, 168, 381-387.	3.8	47
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44	Processing Nanocomposites Based on Engineering Polymers: Polyamides and Polyimides. <i>Springer Series in Materials Science</i> , 2018, , 27-73.	0.4	0
45	Injectable in Situ Shape-Forming Osteogenic Nanocomposite Hydrogel for Regenerating Irregular Bone Defects. <i>ACS Applied Bio Materials</i> , 2018, 1, 1037-1046.	2.3	22
46	Concurrent Synthesis of Zero- and One-Dimensional, Spherical, Rod-, Needle-, and Wire-Shaped CuO Nanoparticles by <i>Proteus mirabilis</i> 10B. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-14.	1.5	11
47	Smart microcapsules for precise delivery systems. <i>Functional Materials Letters</i> , 2018, 11, 1850041.	0.7	4
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49	Control of Aggregation-Induced Emission from a Tetraphenylethene Derivative through the Components in the Co-crystal. <i>Crystal Growth and Design</i> , 2018, 18, 3863-3869.	1.4	29
50	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
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56	High-Throughput Preparation of Silk Fibroin Nanofibers by Modified Bubble-Electrospinning. <i>Nanomaterials</i> , 2018, 8, 471.	1.9	31
57	Competitive Biological Activities of Chitosan and Its Derivatives: Antimicrobial, Antioxidant, Anticancer, and Anti-Inflammatory Activities. <i>International Journal of Polymer Science</i> , 2018, 2018, 1-13.	1.2	131
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59	Sensors Based on Conducting Polymers for the Analysis of Food Products. , 2018, , 757-792.		2
60	Advancement in the chemical analysis of Paeoniae Radix (Shaoyao). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 160, 276-288.	1.4	56
61	Engineering of oriented carbon nanotubes in composite materials. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 415-435.	1.5	25
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66	Probing of polymer to carbon nanotube surface interactions within highly aligned electrospun nanofibers for advanced composites. <i>Carbon</i> , 2018, 138, 207-214.	5.4	18
67	Preparation and evaluation of $\beta$ -glucan hydrogel prepared by the radiation technique for drug carrier applications. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 333-339.	3.6	15
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69	Advances in Biomaterials for Drug Delivery. <i>Advanced Materials</i> , 2018, 30, e1705328.	11.1	565
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71	Hydrogel Scaffolds: Towards Restitution of Ischemic Stroke-Injured Brain. <i>Translational Stroke Research</i> , 2019, 10, 1-18.	2.3	41
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76	Electroactive nanofibers mats based on poly(l-lactic acid)/poly(ortho-ethoxyaniline) blends for biological applications. <i>Materials Science and Engineering C</i> , 2019, 105, 110045.	3.8	1
77	Energy Efficiency of Photovoltaic Panels When Using Holographic Gratings as Passive Solar Trackers. <i>Optoelectronics, Instrumentation and Data Processing</i> , 2019, 55, 271-279.	0.2	8
78	Variation of micro-hardness of titanium oxide doped poly (methyl methacrylate) composite samples with different annealing temperature. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
79	Effect of Drug Loading Method on Drug Dissolution Mechanism of Amoxicillin Trihydrate Encapsulated in Chitosan-Poly(N-Vinylpyrrolidone) Full-IPN Hydrogel as a Floating Drug Delivery System Matrix. <i>Materials Science Forum</i> , 2019, 964, 251-256.	0.3	0
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82	Novel optimised highly aligned electrospun PEI-PAN nanofibre mats with excellent wettability. <i>Polymer</i> , 2019, 180, 121665.	1.8	25
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86	Optimizing the Conditions and Use of Synthetic Matrix for Three-Dimensional <i>In Vitro</i> Retinal Differentiation from Mouse Pluripotent Cells. <i>Tissue Engineering - Part C: Methods</i> , 2019, 25, 433-445.	1.1	9
87	Adsorption of lead ion from aqueous solution unto cellulose nanocrystal from cassava peel. <i>Journal of Physics: Conference Series</i> , 2019, 1299, 012122.	0.3	11
88	Multifunctional coordination polymers based on copper with modified nucleobases, easily modulated in size and conductivity. <i>Journal of Inorganic Biochemistry</i> , 2019, 200, 110805.	1.5	8
89	A critical review and assessment for FRP-concrete bond systems with epoxy resin exposed to chloride environments. <i>Composite Structures</i> , 2019, 229, 111372.	3.1	85
90	Dewatering Behavior of a Wood-Cellulose Nanofibril Particulate System. <i>Scientific Reports</i> , 2019, 9, 14584.	1.6	24

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96	Nanohydroxyapatite Reinforced Chitosan Composite Hydrogel with Tunable Mechanical and Biological Properties for Cartilage Regeneration. <i>Scientific Reports</i> , 2019, 9, 15957.	1.6	65
97	Hydrophobically associating polymers for enhanced oil recovery – Part B: A review of modelling approach to flow in porous media. <i>Journal of Molecular Liquids</i> , 2019, 293, 111495.	2.3	21
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99	Biodegradation Characteristics of <i>Tacca leontopetaloides</i> ; Thermoplastic Films under Controlled Composting Conditions. <i>Key Engineering Materials</i> , 0, 797, 289-295.	0.4	0
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101	Preparation and characterization of renewable composites from Polylactide and Rice husk for 3D printing applications. <i>Journal of Polymer Research</i> , 2019, 26, 1.	1.2	29
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108	Colorless PI structure design and evaluation for achieving low CTE target. <i>Materials Today Communications</i> , 2019, 21, 100562.	0.9	22
109	Polyphosphonium-oligochitosans decorated with nanosilver as new prospective inhibitors for common human enteric viruses. <i>Carbohydrate Polymers</i> , 2019, 226, 115261.	5.1	53
110	Carbon nanotube, poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) and Ag nanoparticle doped gelatin based electro-active hydrogel systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 580, 123751.	2.3	14

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111	Fatigue behavior of the basalt fiber-reinforced polymer/concrete interface under wet-dry cycling in a marine environment. <i>Construction and Building Materials</i> , 2019, 228, 117065.	3.2	20
112	Modelling flow induced crystallization of IPP: Multiple crystal phases and morphologies. <i>Polymer</i> , 2019, 182, 121806.	1.8	20
113	Tuber indicum polysaccharide relieves fatigue by regulating gut microbiota in mice. <i>Journal of Functional Foods</i> , 2019, 63, 103580.	1.6	39
114	Synthesis of Alumina-Coated Natural Graphite for Highly Cycling Stability and Safety of Li-Ion Batteries. <i>Chinese Journal of Chemistry</i> , 2019, 37, 342-346.	2.6	19
115	Fabrication of Polypropylene/Poly (Trimethylene Terephthalate) Blend Fibers with Highly Improved Resiliency and Preserved Mechanical Properties. <i>Journal of Macromolecular Science - Physics</i> , 2019, 58, 141-160.	0.4	7
116	Biocompatible disulphide cross-linked sodium alginate derivative nanoparticles for oral colon-targeted drug delivery. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 353-369.	1.9	56
117	Poly(lactic acid) biocomposites with mango waste and organo-montmorillonite for packaging. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47512.	1.3	29
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119	Preparation of heat-resistant poly(amide-imide) films with ultralow coefficients of thermal expansion for optoelectronic application. <i>Reactive and Functional Polymers</i> , 2019, 141, 155-164.	2.0	43
120	Strain-Stiffening of Agarose Gels. <i>ACS Macro Letters</i> , 2019, 8, 670-675.	2.3	78
121	Influence of amine-functionalised graphene oxide filler on mechanical and insulating property of epoxy nanocomposites. <i>Materials Research Express</i> , 2019, 6, 095302.	0.8	5
122	Hydrophobically associating polymers for enhanced oil recovery – Part A: A review on the effects of some key reservoir conditions. <i>Journal of Petroleum Science and Engineering</i> , 2019, 180, 681-698.	2.1	77
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124	Physico-chemical analysis of pyrolyzed bio-oil from swietenia macrophylla (mahogany) wood. <i>Heliyon</i> , 2019, 5, e01790.	1.4	41
125	A Simple Method for the Determination of the Bond-Slip Model of Artificially Aged Joints. <i>Journal of Composites for Construction</i> , 2019, 23, 04019028.	1.7	10
126	Valorisation of waste to yield recyclable composites of elemental sulfur and lignin. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15683-15690.	5.2	80
127	Green synthesis of gold nanoparticles and its effect on the optical, thermal and electrical properties of carboxymethyl cellulose. <i>Composites Part B: Engineering</i> , 2019, 172, 436-446.	5.9	65
128	Graphite oxidation chemistry is relevant for designing cleaning strategies for radiocarbon dating samples. <i>Analytical Methods</i> , 2019, 11, 2880-2887.	1.3	1



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130	Increase of metallic silver nanoparticles in Chitosan:AgNt based polymer electrolytes incorporated with alumina filler. <i>Results in Physics</i> , 2019, 13, 102326.	2.0	60
131	Enhancement in permeability of piperazine-based thin film composite membrane via surface roughening using a highly organic-soluble additive. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47913.	1.3	11
132	Specificity in the Susceptibilities of <i>Escherichia coli</i> , <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> Clinical Isolates to Six Metal Antimicrobials. <i>Antibiotics</i> , 2019, 8, 51.	1.5	23
133	Electrospun polycaprolactone/hydroxyapatite/ZnO nanofibers as potential biomaterials for bone tissue regeneration. <i>Journal of Materials Science: Materials in Medicine</i> , 2019, 30, 51.	1.7	56
134	Isolation and acetylation of cellulose nanostructures with a homogeneous system. <i>Carbohydrate Polymers</i> , 2019, 218, 208-217.	5.1	33
135	Modeling of oriented crystallization kinetics of polymers in the entire range of uniaxial molecular orientation. <i>Polymer</i> , 2019, 173, 141-157.	1.8	3
136	Influence of surface topography attributes on settlement and adhesion of natural and synthetic species. <i>Soft Matter</i> , 2019, 15, 4045-4067.	1.2	39
137	In-situ and ex-situ synthesis of poly-(imidazolium vanillyl)-grafted chitosan/silver nanobiocomposites for safe antibacterial finishing of cotton fabrics. <i>European Polymer Journal</i> , 2019, 116, 210-221.	2.6	62
138	Bioprinted scaffolds. , 2019, , 35-60.		6
139	Opto-thermophoretic fiber tweezers. <i>Nanophotonics</i> , 2019, 8, 475-485.	2.9	31
140	Application of (polyaniline/zeolite X) composite as anticorrosion coating for energy recovery devices in RO desalination water plants. <i>International Journal of Industrial Chemistry</i> , 2019, 10, 175-191.	3.1	10
141	Manganese Peroxidase-Based Electro-Oxidation of Bisphenol A at Hydrogellic Polyaniline-Titania Nanocomposite-Modified Glassy Carbon Electrode. <i>Electrocatalysis</i> , 2019, 10, 323-331.	1.5	12
142	Bond-slip behaviors of BFRP-to-concrete interfaces exposed to wet/dry cycles in chloride environment. <i>Composite Structures</i> , 2019, 219, 185-193.	3.1	37
143	Hydrothermal ageing effect on the mechanical behaviour and fatigue response of aluminium alloy/glass/epoxy hybrid composite single lap joints. <i>Composite Structures</i> , 2019, 219, 69-82.	3.1	21
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145	Stability studies of collagen-based microspheres with <i>Calendula officinalis</i> flower extract. <i>Polymer Degradation and Stability</i> , 2019, 163, 214-219.	2.7	21
146	Green electrospun nanocuprous oxide-poly(ethylene oxide)-silk fibroin composite nanofibrous scaffolds for antibacterial dressings. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47730.	1.3	8

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