

Hak-Yong Kim

List of Publications by Year in descending order

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531
papers

30,255
citations

4955

84
h-index

9854

141
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533
all docs

533
docs citations

533
times ranked

28566
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystalline structure analysis of cellulose treated with sodium hydroxide and carbon dioxide by means of X-ray diffraction and FTIR spectroscopy. <i>Carbohydrate Research</i> , 2005, 340, 2376-2391.	1.1	1,077
2	Electrospun nanofibrous polyurethane membrane as wound dressing. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 67B, 675-679.	3.0	737
3	Electrospinning of Chitosan. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1600-1605.	2.0	582
4	Characterization of nano-structured poly(ϵ -caprolactone) nonwoven mats via electrospinning. <i>Polymer</i> , 2003, 44, 1287-1294.	1.8	526
5	Fabrication and characterization of poly (vinyl alcohol)/chitosan blend nanofibers produced by electrospinning method. <i>Carbohydrate Polymers</i> , 2007, 67, 403-409.	5.1	487
6	Novel biodegradable electrospun membrane: scaffold for tissue engineering. <i>Biomaterials</i> , 2004, 25, 2595-2602.	5.7	440
7	Wound-dressing materials with antibacterial activity from electrospun polyurethane-dextran nanofiber mats containing ciprofloxacin HCl. <i>Carbohydrate Polymers</i> , 2012, 90, 1786-1793.	5.1	404
8	Fiber mats of poly(vinyl alcohol)/silica composite via electrospinning. <i>Materials Letters</i> , 2003, 57, 1579-1584.	1.3	402
9	Electrospun nanofibers: New generation materials for advanced applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 217, 36-48.	1.7	397
10	The change of bead morphology formed on electrospun polystyrene fibers. <i>Polymer</i> , 2003, 44, 4029-4034.	1.8	357
11	Technological trends in heavy metals removal from industrial wastewater: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105688.	3.3	343
12	Synthesis of carbon quantum dots from cabbage with down- and up-conversion photoluminescence properties: excellent imaging agent for biomedical applications. <i>Green Chemistry</i> , 2015, 17, 3791-3797.	4.6	337
13	Role of molecular weight of atactic poly(vinyl alcohol) (PVA) in the structure and properties of PVA nanofabric prepared by electrospinning. <i>Journal of Applied Polymer Science</i> , 2004, 93, 1638-1646.	1.3	330
14	Metal-organic framework derived Co ₃ O ₄ /MoS ₂ heterostructure for efficient bifunctional electrocatalysts for oxygen evolution reaction and hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 202-210.	10.8	309
15	Preparation and characterization of a nanoscale poly(vinyl alcohol) fiber aggregate produced by an electrospinning method. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 1261-1268.	2.4	298
16	Extraction of pure natural hydroxyapatite from the bovine bones bio waste by three different methods. <i>Journal of Materials Processing Technology</i> , 2009, 209, 3408-3415.	3.1	280
17	An improved hydrophilicity via electrospinning for enhanced cell attachment and proliferation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 78B, 283-290.	1.6	267
18	Spectroscopic identification of SAu interaction in cysteine capped gold nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 63, 160-163.	2.0	257

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19	Novel fabricated matrix via electrospinning for tissue engineering. Journal of Biomedical Materials Research Part B, 2005, 72B, 117-124.	3.0	236
20	Electrospun nylon-6 spider-net like nanofiber mat containing TiO ₂ nanoparticles: A multifunctional nanocomposite textile material. Journal of Hazardous Materials, 2011, 185, 124-130.	6.5	231
21	Synthesis and Optical Properties of Two Cobalt Oxides (CoO and Co ₃ O ₄) Nanofibers Produced by Electrospinning Process. Journal of Physical Chemistry C, 2008, 112, 12225-12233.	1.5	216
22	Influence of a mixing solvent with tetrahydrofuran and N,N-dimethylformamide on electrospun poly(vinyl chloride) nonwoven mats. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 2259-2268.	2.4	215
23	Transport properties of electrospun nylon 6 nonwoven mats. European Polymer Journal, 2003, 39, 1883-1889.	2.6	212
24	Spider-net within the N6, PVA and PU electrospun nanofiber mats using salt addition: Novel strategy in the electrospinning process. Polymer, 2009, 50, 4389-4396.	1.8	208
25	A novel method for preparing ultra-fine alumina-borate oxide fibres via an electrospinning technique. Nanotechnology, 2002, 13, 674-677.	1.3	206
26	Gelatin-coated magnetic iron oxide nanoparticles as carrier system: Drug loading and in vitro drug release study. International Journal of Pharmaceutics, 2009, 365, 180-189.	2.6	203
27	Mechanical behavior of electrospun fiber mats of poly(vinyl chloride)/polyurethane polyblends. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 1256-1262.	2.4	196
28	Photocatalytic and antibacterial properties of a TiO ₂ /nylon-6 electrospun nanocomposite mat containing silver nanoparticles. Journal of Hazardous Materials, 2011, 189, 465-471.	6.5	193
29	Electrospun poly(vinyl alcohol) nanofibers: effects of degree of hydrolysis and enhanced water stability. Polymer Journal, 2010, 42, 273-276.	1.3	182
30	One-step synthesis of robust nitrogen-doped carbon dots: acid-evoked fluorescence enhancement and their application in Fe ³⁺ detection. Journal of Materials Chemistry A, 2015, 3, 17747-17754.	5.2	181
31	Synthesis of nickel oxide nanoparticles using nickel acetate and poly(vinyl acetate) precursor. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 128, 111-114.	1.7	173
32	Preparation and characterization of nanoscaled poly(vinyl alcohol) fibers via electrospinning. Fibers and Polymers, 2002, 3, 73-79.	1.1	168
33	Carbon quantum dots anchored TiO ₂ nanofibers: Effective photocatalyst for waste water treatment. Ceramics International, 2015, 41, 11953-11959.	2.3	166
34	Morphology and crystalline phase study of electrospun TiO ₂ /SiO ₂ nanofibres. Nanotechnology, 2003, 14, 532-537.	1.3	155
35	Physiochemical characterizations of hydroxyapatite extracted from bovine bones by three different methods: Extraction of biologically desirable HAp. Materials Science and Engineering C, 2008, 28, 1381-1387.	3.8	151
36	Graphene wrapped MnO ₂ -nanostructures as effective and stable electrode materials for capacitive deionization desalination technology. Desalination, 2014, 344, 289-298.	4.0	151

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37	Production of Smooth and Pure Nickel Metal Nanofibers by the Electrospinning Technique: Nanofibers Possess Splendid Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 531-536.	1.5	141
38	Electrospun antimicrobial polyurethane nanofibers containing silver nanoparticles for biotechnological applications. <i>Macromolecular Research</i> , 2009, 17, 688-696.	1.0	139
39	Electrospun ZnO hybrid nanofibers for photodegradation of wastewater containing organic dyes: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 26-35.	2.9	136
40	The effect of molecular weight and the linear velocity of drum surface on the properties of electrospun poly(ethylene terephthalate) nonwovens. <i>Fibers and Polymers</i> , 2004, 5, 122-127.	1.1	130
41	Polarized FT-IR Study of Macroscopically Oriented Electrospun Nylon-6 Nanofibers. <i>Macromolecules</i> , 2008, 41, 1494-1498.	2.2	129
42	Carbon nanofibers decorated with binary semiconductor (TiO ₂ /ZnO) nanocomposites for the effective removal of organic pollutants and the enhancement of antibacterial activities. <i>Ceramics International</i> , 2013, 39, 7029-7035.	2.3	129
43	A novel method for making silica nanofibres by using electrospun fibres of polyvinylalcohol/silica composite as precursor. <i>Nanotechnology</i> , 2002, 13, 635-637.	1.3	127
44	Flexible 3D Nanoporous Graphene for Desalination and Bio-decontamination of Brackish Water via Asymmetric Capacitive Deionization. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25313-25325.	4.0	123
45	Influence of CdO-doping on the photoluminescence properties of ZnO nanofibers: Effective visible light photocatalyst for waste water treatment. <i>Journal of Luminescence</i> , 2012, 132, 1668-1677.	1.5	121
46	Cobalt nanofibers encapsulated in a graphite shell by an electrospinning process. <i>Journal of Materials Chemistry</i> , 2009, 19, 7371.	6.7	120
47	Facile preparation and characterization of poly(vinyl alcohol)/chitosan/graphene oxide biocomposite nanofibers. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 4415-4420.	2.9	119
48	Hollow carbon nanofibers as an effective electrode for brackish water desalination using the capacitive deionization process. <i>New Journal of Chemistry</i> , 2014, 38, 198-205.	1.4	118
49	Synthesis and characterization of reduced graphene oxide decorated with CeO ₂ -doped MnO ₂ nanorods for supercapacitor applications. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 338-344.	5.0	118
50	CoNi Bimetallic Nanofibers by Electrospinning: Nickel-Based Soft Magnetic Material with Improved Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15589-15593.	1.5	117
51	Titanium dioxide nanofibers prepared by using electrospinning method. <i>Fibers and Polymers</i> , 2004, 5, 105-109.	1.1	115
52	Fabrication of highly porous poly(ϵ -caprolactone) fibers for novel tissue scaffold via water-bath electrospinning. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 587-592.	2.5	114
53	Influence of temperature on the photodegradation process using Ag-doped TiO ₂ nanostructures: Negative impact with the nanofibers. <i>Journal of Molecular Catalysis A</i> , 2013, 366, 333-340.	4.8	113
54	Cobalt/copper-decorated carbon nanofibers as novel non-precious electrocatalyst for methanol electrooxidation. <i>Nanoscale Research Letters</i> , 2014, 9, 2.	3.1	112

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55	Integrated hybrid of graphitic carbon-encapsulated Cu _x O on multilayered mesoporous carbon from copper MOFs and polyaniline for asymmetric supercapacitor and oxygen reduction reactions. Carbon, 2021, 179, 89-99.	5.4	110
56	Multi-walled carbon nanotubes/TiO ₂ composite nanofiber by electrospinning. Materials Science and Engineering C, 2008, 28, 75-79.	3.8	109
57	Thermal property and latent heat energy storage behavior of sodium acetate trihydrate composites containing expanded graphite and carboxymethyl cellulose for phase change materials. Applied Thermal Engineering, 2015, 75, 978-983.	3.0	108
58	NiCo ₂ S ₄ nanosheet-decorated 3D, porous Ni film@Ni wire electrode materials for all solid-state asymmetric supercapacitor applications. Nanoscale, 2017, 9, 18819-18834.	2.8	107
59	Polymeric nanofibers containing solid nanoparticles prepared by electrospinning and their applications. Chemical Engineering Journal, 2010, 156, 487-495.	6.6	105
60	Ultrahigh electromagnetic interference shielding performance of lightweight, flexible, and highly conductive copper-clad carbon fiber nonwoven fabrics. Journal of Materials Chemistry C, 2017, 5, 7853-7861.	2.7	105
61	Synthesis and characterization of hydroxyapatite using carbon nanotubes as a nano-matrix. Scripta Materialia, 2006, 54, 131-135.	2.6	104
62	Electrospun nonwovens of shape-memory polyurethane block copolymers. Journal of Applied Polymer Science, 2005, 96, 460-465.	1.3	103
63	Hydrophilic nanofibrous structure of polylactide; fabrication and cell affinity. Journal of Biomedical Materials Research - Part A, 2006, 78A, 247-257.	2.1	103
64	Effect of successive electrospinning and the strength of hydrogen bond on the morphology of electrospun nylon-6 nanofibers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 370, 87-94.	2.3	103
65	Photocatalytic TiO ₂ @RGO/nylon-6 spider-wave-like nano-nets via electrospinning and hydrothermal treatment. Journal of Membrane Science, 2013, 429, 225-234.	4.1	103
66	General one-pot strategy to prepare Ag@TiO ₂ decorated reduced graphene oxide nanocomposites for chemical and biological disinfectant. Journal of Alloys and Compounds, 2016, 671, 51-59.	2.8	103
67	Facile Synthesis of Core/Shell-like NiCo ₂ O ₄ -Decorated MWCNTs and its Excellent Electrocatalytic Activity for Methanol Oxidation. Scientific Reports, 2016, 6, 20313.	1.6	102
68	Nickel titanate nanofibers by electrospinning. Materials Chemistry and Physics, 2004, 87, 5-9.	2.0	101
69	Vanadium pentoxide nanofibers by electrospinning. Scripta Materialia, 2003, 49, 577-581.	2.6	100
70	Preparation of polyamide-6/chitosan composite nanofibers by a single solvent system via electrospinning for biomedical applications. Colloids and Surfaces B: Biointerfaces, 2011, 83, 173-178.	2.5	100
71	In-situ synthesis of nanofibers with various ratios of BiOClx/BiOBry/BiOlz for effective trichloroethylene photocatalytic degradation. Applied Surface Science, 2016, 384, 192-199.	3.1	100
72	The photoluminescence properties of zinc oxide nanofibres prepared by electrospinning. Nanotechnology, 2004, 15, 320-323.	1.3	98

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73	Study of electrolyte induced aggregation of gold nanoparticles capped by amino acids. <i>Journal of Colloid and Interface Science</i> , 2006, 299, 191-197.	5.0	98
74	Synthesis and photocatalytic activities of CdS/TiO ₂ nanoparticles supported on carbon nanofibers for high efficient adsorption and simultaneous decomposition of organic dyes. <i>Journal of Colloid and Interface Science</i> , 2014, 434, 159-166.	5.0	98
75	Antibacterial activity and interaction mechanism of electrospun zinc-doped titania nanofibers. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 743-751.	1.7	97
76	Influence of the nanofibrous morphology on the catalytic activity of NiO nanostructures: an effective impact toward methanol electrooxidation. <i>Nanoscale Research Letters</i> , 2013, 8, 402.	3.1	97
77	In-built fabrication of MOF assimilated B/N co-doped 3D porous carbon nanofiber network as a binder-free electrode for supercapacitors. <i>Electrochimica Acta</i> , 2019, 301, 209-219.	2.6	96
78	A novel CuS microflower superstructure based sensitive and selective nonenzymatic glucose detection. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 93-99.	4.0	95
79	Emu oil-based electrospun nanofibrous scaffolds for wound skin tissue engineering. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 415, 454-460.	2.3	93
80	Carbon nanofibers wrapped with zinc oxide nano-flakes as promising electrode material for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2018, 522, 40-47.	5.0	92
81	Poly(μ -caprolactone) filled with electrospun nylon fibres: A model for a facile composite fabrication. <i>European Polymer Journal</i> , 2010, 46, 968-976.	2.6	91
82	Characterization and antibacterial properties of Ag NPs loaded nylon-6 nanocomposite prepared by one-step electrospinning process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 395, 94-99.	2.3	90
83	Preparation and morphology of niobium oxide fibres by electrospinning. <i>Chemical Physics Letters</i> , 2003, 374, 79-84.	1.2	88
84	Effects of functional groups on the graphene sheet for improving the thermomechanical properties of polyurethane nanocomposites. <i>Composites Part B: Engineering</i> , 2015, 78, 192-201.	5.9	88
85	Flexible transparent electrode based on PANi nanowire/nylon nanofiber reinforced cellulose acetate thin film as supercapacitor. <i>Chemical Engineering Journal</i> , 2015, 273, 603-609.	6.6	87
86	Ag-ZnO photocatalyst anchored on carbon nanofibers: Synthesis, characterization, and photocatalytic activities. <i>Synthetic Metals</i> , 2016, 220, 533-537.	2.1	87
87	A ZIF-8-derived nanoporous carbon nanocomposite wrapped with Co ₃ O ₄ -polyaniline as an efficient electrode material for an asymmetric supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2020, 856, 113670.	1.9	87
88	A green and scalable dry synthesis of NiCo ₂ O ₄ /graphene nanohybrids for high-performance supercapacitor and enzymeless glucose biosensor applications. <i>Journal of Alloys and Compounds</i> , 2017, 696, 193-200.	2.8	86
89	Surface Plasmon Resonances, Optical Properties, and Electrical Conductivity Thermal Hysteresis of Silver Nanofibers Produced by the Electrospinning Technique. <i>Langmuir</i> , 2008, 24, 11982-11987.	1.6	85
90	NiCo ₂ O ₄ nanostructure-decorated PAN/lignin based carbon nanofiber electrodes with excellent cyclability for flexible hybrid supercapacitors. <i>Polymer</i> , 2017, 132, 31-40.	1.8	85

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91	Roles of Work of Adhesion between Carbon Blacks and Thermoplastic Polymers on Electrical Properties of Composites. <i>Journal of Colloid and Interface Science</i> , 2002, 255, 145-149.	5.0	83
92	Graphene/SnO ₂ nanocomposite as an effective electrode material for saline water desalination using capacitive deionization. <i>Ceramics International</i> , 2014, 40, 14627-14634.	2.3	83
93	Stress-strain behavior of the electrospun thermoplastic polyurethane elastomer fiber mats. <i>Macromolecular Research</i> , 2005, 13, 441-445.	1.0	82
94	Carbon nanotubes assisted biomimetic synthesis of hydroxyapatite from simulated body fluid. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 426, 202-207.	2.6	82
95	Photocatalytic activity of ZnO-TiO ₂ hierarchical nanostructure prepared by combined electrospinning and hydrothermal techniques. <i>Macromolecular Research</i> , 2010, 18, 233-240.	1.0	81
96	Under-oil superhydrophilic wetted PVDF electrospun modified membrane for continuous gravitational oil/water separation with outstanding flux. <i>Water Research</i> , 2017, 123, 524-535.	5.3	81
97	Facile one pot sonochemical synthesis of CoFe ₂ O ₄ /MWCNTs hybrids with well-dispersed MWCNTs for asymmetric hybrid supercapacitor applications. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 3073-3085.	3.8	81
98	Facile electrospun Polyacrylonitrile/poly(acrylic acid) nanofibrous membranes for high efficiency particulate air filtration. <i>Fibers and Polymers</i> , 2015, 16, 629-633.	1.1	80
99	Polypyrrole-Decorated Hierarchical NiCo ₂ O ₄ Nanoneedles/Carbon Fiber Papers for Flexible High-Performance Supercapacitor Applications. <i>Electrochimica Acta</i> , 2017, 247, 524-534.	2.6	80
100	Fe/Fe ₂ O ₃ nanoparticles as anode catalyst for exclusive power generation and degradation of organic compounds using microbial fuel cell. <i>Chemical Engineering Journal</i> , 2018, 349, 800-807.	6.6	79
101	Spectral studies of SnO ₂ nanofibres prepared by electrospinning method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 64, 136-140.	2.0	77
102	Highly flexible, erosion resistant and nitrogen doped hollow SiC fibrous mats for high temperature thermal insulators. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2664-2672.	5.2	77
103	Consolidation and mechanical properties of nanostructured hydroxyapatite (ZrO ₂ +3mol% Y ₂ O ₃) bioceramics by high-frequency induction heat sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 456, 368-372.	2.6	76
104	Synthesis, characterization, and photocatalytic properties of ZnO nano-flower containing TiO ₂ NPs. <i>Ceramics International</i> , 2012, 38, 2943-2950.	2.3	76
105	Engineering the abundant heterointerfaces of integrated bimetallic sulfide-coupled 2D MOF-derived mesoporous CoS ₂ nanoarray hybrids for electrocatalytic water splitting. <i>Materials Today Nano</i> , 2022, 17, 100146.	2.3	76
106	Molecular Proteomics Imaging of Tumor Interfaces by Mass Spectrometry. <i>Journal of Proteome Research</i> , 2010, 9, 1157-1164.	1.8	75
107	N-Acylated chitosan stabilized iron oxide nanoparticles as a novel nano-matrix and ceramic modification. <i>Carbohydrate Polymers</i> , 2007, 69, 467-477.	5.1	73
108	GeO ₂ fibers: Preparation, morphology and photoluminescence property. <i>Journal of Chemical Physics</i> , 2004, 121, 441.	1.2	72

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109	Inactivation of pathogenic <i>Klebsiella pneumoniae</i> by CuO/TiO ₂ nanofibers: A multifunctional nanomaterial via one-step electrospinning. <i>Ceramics International</i> , 2012, 38, 4525-4532.	2.3	72
110	Expeditious and eco-friendly fabrication of highly uniform microflower superstructures and their applications in highly durable methanol oxidation and high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12253-12262.	5.2	72
111	Engineering the Hierarchical Heterostructures of Zn@Ni@Co Nanoneedles Arrays@Co@Ni-LDH Nanosheets Core@Sheath Electrodes for a Hybrid Asymmetric Supercapacitor with High Energy Density and Excellent Cyclic Stability. <i>ACS Applied Energy Materials</i> , 2020, 3, 7383-7396.	2.5	72
112	Construction of iron doped cobalt- vanadate- cobalt oxide with metal-organic framework oriented nanoflakes for portable rechargeable zinc-air batteries powered total water splitting. <i>Nano Energy</i> , 2021, 88, 106238.	8.2	72
113	Effect of discarded keratin-based biocomposite hydrogels on the wound healing process in vivo. <i>Materials Science and Engineering C</i> , 2015, 55, 88-94.	3.8	71
114	Preparation and enhanced mechanical properties of non-covalently-functionalized graphene oxide/cellulose acetate nanocomposites. <i>Composites Part B: Engineering</i> , 2016, 90, 223-231.	5.9	71
115	Laccase-poly(lactic-co-glycolic acid) (PLGA) nanofiber: Highly stable, reusable, and efficacious for the transformation of diclofenac. <i>Enzyme and Microbial Technology</i> , 2012, 51, 113-118.	1.6	69
116	Electrospun polymeric nanofibers encapsulated with nanostructured materials and their applications: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 24, 1-13.	2.9	69
117	Electrospun CdS@TiO ₂ doped carbon nanofibers for visible-light-induced photocatalytic hydrolysis of ammonia borane. <i>Catalysis Communications</i> , 2014, 50, 63-68.	1.6	68
118	Green synthesis of fluorescent carbon dots from carrot juice for in vitro cellular imaging. <i>Carbon Letters</i> , 2017, 21, 61-67.	3.3	68
119	Influence of Nitrogen doping on the Catalytic Activity of Ni-incorporated Carbon Nanofibers for Alkaline Direct Methanol Fuel Cells. <i>Electrochimica Acta</i> , 2014, 142, 228-239.	2.6	66
120	In-situ synthesis of graphene oxide/BiOCl heterostructured nanofibers for visible-light photocatalytic investigation. <i>Journal of Alloys and Compounds</i> , 2016, 686, 106-114.	2.8	66
121	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.	5.0	66
122	Nanofibrous mats of poly(trimethylene terephthalate) via electrospinning. <i>Polymer</i> , 2004, 45, 295-301.	1.8	65
123	Effective NiCu NPs-doped carbon nanofibers as counter electrodes for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2013, 102, 142-148.	2.6	65
124	Designed Assembly of Porous Cobalt Oxide/Carbon Nanotentacles on Electrospun Hollow Carbon Nanofibers Network for Supercapacitor. <i>ACS Applied Energy Materials</i> , 2020, 3, 3435-3444.	2.5	65
125	Co/CeO ₂ -decorated carbon nanofibers as effective non-precious electro-catalyst for fuel cells application in alkaline medium. <i>Ceramics International</i> , 2015, 41, 2271-2278.	2.3	64
126	Preparation and photocatalytic activity of fly ash incorporated TiO ₂ nanofibers for effective removal of organic pollutants. <i>Ceramics International</i> , 2015, 41, 1771-1777.	2.3	64

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127	A facile ultrasonic-assisted fabrication of nitrogen-doped carbon dots/BiOBr up-conversion nanocomposites for visible light photocatalytic enhancements. <i>Scientific Reports</i> , 2017, 7, 45086.	1.6	64
128	Templated fabrication of perfectly aligned metal-organic framework-supported iron-doped copper-cobalt selenide nanostructure on hollow carbon nanofibers for an efficient trifunctional electrode material. <i>Applied Catalysis B: Environmental</i> , 2021, 293, 120209.	10.8	64
129	Hydroxyapatite Mineralization on the Calcium Chloride Blended Polyurethane Nanofiber via Biomimetic Method. <i>Nanoscale Research Letters</i> , 2011, 6, 2.	3.1	63
130	Development of multi-channel carbon nanofibers as effective electrosorptive electrodes for a capacitive deionization process. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11001.	5.2	63
131	Influence of copper content on the electrocatalytic activity toward methanol oxidation of Co _{1-x} Cu _x alloy nanoparticles-decorated CNFs. <i>Scientific Reports</i> , 2015, 5, 16695.	1.6	63
132	Fly-ash-incorporated electrospun zinc oxide nanofibers: Potential material for environmental remediation. <i>Environmental Pollution</i> , 2019, 245, 163-172.	3.7	63
133	Ruthenium doped TiO ₂ fibers by electrospinning. <i>Inorganic Chemistry Communication</i> , 2004, 7, 679-682.	1.8	62
134	Cobalt-incorporated, nitrogen-doped carbon nanofibers as effective non-precious catalyst for methanol electrooxidation in alkaline medium. <i>Applied Catalysis A: General</i> , 2015, 498, 230-240.	2.2	62
135	Metal-organic framework assisted vanadium oxide nanorods as efficient electrode materials for water oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 618, 475-482.	5.0	62
136	Chemically stable electrospun NiCu nanorods@carbon nanofibers for highly efficient dehydrogenation of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17715-17723.	3.8	61
137	Highly efficient and reusable superhydrophobic/superoleophilic polystyrene@ Fe ₃ O ₄ nanofiber membrane for high-performance oil/water separation. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103508.	3.3	61
138	Novel self-assembled amphiphilic poly(μ -caprolactone)-grafted-poly(vinyl alcohol) nanoparticles: hydrophobic and hydrophilic drugs carrier nanoparticles. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 821-831.	1.7	60
139	Effect of lactic acid on polymer crystallization chain conformation and fiber morphology in an electrospun nylon-6 mat. <i>Polymer</i> , 2011, 52, 4851-4856.	1.8	60
140	Novel magnetically separable silver-iron oxide nanoparticles decorated graphitic carbon nitride nano-sheets: A multifunctional photocatalyst via one-step hydrothermal process. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 343-352.	5.0	60
141	Ethanol electro-oxidation using cadmium-doped cobalt/carbon nanoparticles as novel non precious electrocatalyst. <i>Applied Catalysis A: General</i> , 2013, 455, 193-198.	2.2	59
142	Fabrication and durable antibacterial properties of electrospun chitosan nanofibers with silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 638-643.	3.6	59
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