

# Nishith Verma

## List of Publications by Year in descending order

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123  
papers

4,954  
citations

66315

42  
h-index

110317

64  
g-index

123  
all docs

123  
docs citations

123  
times ranked

4678  
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of volatile organic compound by activated carbon fiber. <i>Carbon</i> , 2004, 42, 2949-2962.	5.4	325
2	Removal of volatile organic compounds by cryogenic condensation followed by adsorption. <i>Chemical Engineering Science</i> , 2002, 57, 2679-2696.	1.9	162
3	Comparative study of removal of volatile organic compounds by cryogenic condensation and adsorption by activated carbon fiber. <i>Separation and Purification Technology</i> , 2004, 39, 23-37.	3.9	156
4	Removal of SO <sub>2</sub> by activated carbon fibers in the presence of O <sub>2</sub> and H <sub>2</sub> O. <i>Carbon</i> , 2006, 44, 46-60.	5.4	125
5	Copper/zinc bimetal nanoparticles-dispersed carbon nanofibers: A novel potential antibiotic material. <i>Materials Science and Engineering C</i> , 2016, 59, 938-947.	3.8	125
6	Wall effects in flow past a circular cylinder in a plane channel: a numerical study. <i>Chemical Engineering and Processing: Process Intensification</i> , 2004, 43, 1529-1537.	1.8	124
7	Development of bi-metal doped micro- and nano multi-functional polymeric adsorbents for the removal of fluoride and arsenic(V) from wastewater. <i>Desalination</i> , 2011, 282, 27-38.	4.0	113
8	Synthesis of novel PVA-starch formulation-supported Cu-Zn nanoparticle carrying carbon nanofibers as a nanofertilizer: controlled release of micronutrients. <i>Journal of Materials Science</i> , 2018, 53, 7150-7164.	1.7	108
9	Fabrication of Ni nanoparticles-dispersed carbon micro-nanofibers as the electrodes of a microbial fuel cell for bio-energy production. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 1145-1153.	3.8	95
10	In situ nitrogen-doping of nickel nanoparticle-dispersed carbon nanofiber-based electrodes: Its positive effects on the performance of a microbial fuel cell. <i>Electrochimica Acta</i> , 2016, 190, 620-627.	2.6	91
11	Candle soot-derived carbon nanoparticles: An inexpensive and efficient electrode for microbial fuel cells. <i>Electrochimica Acta</i> , 2018, 264, 119-127.	2.6	91
12	Carbon nanofibers as a micronutrient carrier in plants: efficient translocation and controlled release of Cu nanoparticles. <i>Environmental Science: Nano</i> , 2017, 4, 138-148.	2.2	88
13	Surface ion imprinting-mediated carbon nanofiber-grafted highly porous polymeric beads: Synthesis and application towards selective removal of aqueous Pb(II). <i>Chemical Engineering Journal</i> , 2017, 313, 1142-1151.	6.6	78
14	Fe-Grown Carbon Nanofibers for Removal of Arsenic(V) in Wastewater. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 7074-7084.	1.8	77
15	Highly effective Cu/Zn-carbon micro/nanofiber-polymer nanocomposite-based wound dressing biomaterial against the <i>P. aeruginosa</i> multi- and extensively drug-resistant strains. <i>Materials Science and Engineering C</i> , 2017, 77, 630-641.	3.8	77
16	Momentum and heat transfer from an asymmetrically confined circular cylinder in a plane channel. <i>Heat and Mass Transfer</i> , 2006, 42, 1037-1048.	1.2	76
17	Adsorbents based on carbon microfibers and carbon nanofibers for the removal of phenol and lead from water. <i>Journal of Colloid and Interface Science</i> , 2011, 359, 228-239.	5.0	76
18	Catalytic oxidation of toluene and m-xylene by activated carbon fiber impregnated with transition metals. <i>Carbon</i> , 2005, 43, 3041-3053.	5.4	75

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19	Enhanced power generation using a novel polymer-coated nanoparticles dispersed-carbon micro-nanofibers-based air-cathode in a membrane-less single chamber microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 1237-1247.	3.8	74
20	Preparation of surfactant-mediated silver and copper nanoparticles dispersed in hierarchical carbon micro-nanofibers for antibacterial applications. <i>New Biotechnology</i> , 2013, 30, 656-665.	2.4	73
21	Breakthrough analysis for adsorption of sulfur-dioxide over zeolites. <i>Chemical Engineering and Processing: Process Intensification</i> , 2004, 43, 9-22.	1.8	72
22	Synthesis of PVA-CAP-based biomaterial in situ dispersed with Cu nanoparticles and carbon micro-nanofibers for antibiotic drug delivery applications. <i>Biochemical Engineering Journal</i> , 2014, 90, 79-89.	1.8	71
23	Adsorptive desulfurization of diesel oil using nickel nanoparticle-doped activated carbon beads with/without carbon nanofibers: Effects of adsorbate size and adsorbent texture. <i>Fuel</i> , 2017, 189, 186-194.	3.4	71
24	Iron doped phenolic resin based activated carbon micro and nanoparticles by milling: Synthesis, characterization and application in arsenic removal. <i>Chemical Engineering Science</i> , 2010, 65, 3591-3601.	1.9	70
25	Adsorptive Removal of Fluoride by Micro-nano-hierarchical Web of Activated Carbon Fibers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 9697-9707.	1.8	64
26	Graphitic carbon micronanofibers asymmetrically dispersed with alumina-nickel nanoparticles: A novel electrode for mediatorless microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 5928-5938.	3.8	63
27	Removal of hexavalent chromium from water using Fe-grown carbon nanofibers containing porous carbon microbeads. <i>Journal of Water Process Engineering</i> , 2014, 3, 34-45.	2.6	60
28	Electrochemically grown polymethylene blue nanofilm on copper-carbon nanofiber nanocomposite: An electrochemical sensor for creatinine. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 562-570.	4.0	59
29	In-situ synthesis of TiO <sub>2</sub> nanoparticles in ACF: Photocatalytic degradation under continuous flow. <i>Solar Energy</i> , 2019, 189, 35-44.	2.9	59
30	Fe-nanoparticles dispersed carbon micro and nanofibers: Surfactant-mediated preparation and application to the removal of gaseous VOCs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 399, 46-55.	2.3	57
31	Removal of aniline from aqueous solution in a mixed flow reactor using emulsion liquid membrane. <i>Journal of Membrane Science</i> , 2003, 226, 185-201.	4.1	56
32	Preparation and characterization of ACF for the adsorption of BTX and SO <sub>2</sub> . <i>Chemical Engineering and Processing: Process Intensification</i> , 2006, 45, 1-13.	1.8	55
33	Cytotoxic Evaluation of the Hierarchical Web of Carbon Micronanofibers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 4672-4682.	1.8	54
34	Electrochemically deposited dendritic poly (methyl orange) nanofilm on metal-carbon-polymer nanocomposite: A novel non-enzymatic electrochemical biosensor for cholesterol. <i>Journal of Electroanalytical Chemistry</i> , 2018, 814, 134-143.	1.9	54
35	Improved performance of a single chamber microbial fuel cell using nitrogen-doped polymer-metal-carbon nanocomposite-based air-cathode. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 3271-3280.	3.8	53
36	Development of surface functionalized activated carbon fiber for control of NO and particulate matter. <i>Journal of Hazardous Materials</i> , 2010, 173, 211-222.	6.5	52

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37	Synthesis of Yeast-Immobilized and Copper Nanoparticle-Dispersed Carbon Nanofiber-Based Diabetic Wound Dressing Material: Simultaneous Control of Glucose and Bacterial Infections. <i>ACS Applied Bio Materials</i> , 2018, 1, 246-258.	2.3	52
38	Aqueous phase adsorption of different sized molecules on activated carbon fibers: Effect of textural properties. <i>Chemosphere</i> , 2016, 155, 62-69.	4.2	46
39	Simultaneous hydrogen generation and COD reduction in a photoanode-based microbial electrolysis cell. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 25985-25995.	3.8	45
40	Facile One-Step Synthesis of Nitrogen-Doped Carbon Nanofibers for the Removal of Potentially Toxic Metals from Water. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 5172-5178.	1.8	44
41	Cobalt - Iron phthalocyanine supported on carbide - Derived carbon as an excellent oxygen reduction reaction catalyst for microbial fuel cells. <i>Electrochimica Acta</i> , 2019, 298, 70-79.	2.6	44
42	Micro~Nano Hierarchal Web of Activated Carbon Fibers for Catalytic Gas Adsorption and Reaction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 3700-3707.	1.8	43
43	Carbon gel-supported Fe-graphene disks: Synthesis, adsorption of aqueous Cr(VI) and Pb(II) and the removal mechanism. <i>Chemical Engineering Journal</i> , 2017, 326, 987-999.	6.6	42
44	Fixed bed adsorptive desulfurization of thiophene over Cu/Ni-dispersed carbon nanofiber. <i>Fuel</i> , 2018, 216, 381-389.	3.4	41
45	Carbon nanofibers containing metal-doped porous carbon beads for environmental remediation applications. <i>Chemical Engineering Journal</i> , 2013, 229, 72-81.	6.6	39
46	A nickel oxide-decorated <i>in situ</i> grown 3-D graphitic forest engrained carbon foam electrode for microbial fuel cells. <i>Chemical Communications</i> , 2021, 57, 879-882.	2.2	39
47	Carbon Nanofiber-skinned Three Dimensional Ni/Carbon Micropillars: High Performance Electrodes of a Microbial Fuel Cell. <i>Electrochimica Acta</i> , 2016, 219, 88-98.	2.6	38
48	Carbon Bead~Supported Ethylene Diamine~Functionalized Carbon Nanofibers: An Efficient Adsorbent for Salicylic Acid. <i>Clean - Soil, Air, Water</i> , 2016, 44, 1461-1470.	0.7	35
49	Direct Z-scheme-based novel cobalt nickel tungstate/graphitic carbon nitride composite: Enhanced photocatalytic degradation of organic pollutants and oxidation of benzyl alcohol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 630, 127606.	2.3	35
50	Synthesis of phenolic precursor-based porous carbon beads in situ dispersed with copper~silver bimetal nanoparticles for antibacterial applications. <i>Journal of Colloid and Interface Science</i> , 2014, 418, 216-224.	5.0	34
51	An efficient antibacterial multi-scale web of carbon fibers with asymmetrically dispersed Ag~Cu bimetal nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 443, 311-319.	2.3	33
52	Carbon bead-supported hollow carbon nanofibers synthesized via templating method for the removal of hexavalent chromium. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 36, 346-354.	2.9	32
53	Multi-scale carbon micro/nanofibers-based adsorbents for protein immobilization. <i>Materials Science and Engineering C</i> , 2014, 38, 46-54.	3.8	31
54	Electro-polymerized polyacrylamide nano film grown on a Ni-reduced graphene oxide- polymer composite: A highly selective non-enzymatic electrochemical recognition element for glucose. <i>Sensors and Actuators B: Chemical</i> , 2019, 289, 216-225.	4.0	31

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55	Preparation of asymmetrically distributed bimetal ceria (CeO <sub>2</sub> ) and copper (Cu) nanoparticles in nitrogen-doped activated carbon micro/nanofibers for the removal of nitric oxide (NO) by reduction. <i>Journal of Colloid and Interface Science</i> , 2014, 436, 218-226.	5.0	30
56	Synthesis of Silicon Carbide-Derived Carbon as an Electrode of a Microbial Fuel Cell and an Adsorbent of Aqueous Cr(VI). <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 1233-1244.	1.8	30
57	Nickel nanoparticle-doped and steam-modified multiscale structure of carbon micro-nanofibers for hydrogen storage: Effects of metal, surface texture and operating conditions. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 6104-6117.	3.8	30
58	Simulation of 3D velocity and concentration profiles in a packed bed adsorber by lattice Boltzmann methods. <i>Chemical Engineering Science</i> , 2006, 61, 7754-7765.	1.9	28
59	Hydrodesulfurization of Thiophene on Activated Carbon Fiber Supported NiMo Catalysts. <i>Energy &amp; Fuels</i> , 2018, 32, 2183-2196.	2.5	28
60	Novel polymeric composite grafted with metal nanoparticle-dispersed CNFs as a chemiresistive non-destructive fruit sensor material. <i>Materials Chemistry and Physics</i> , 2018, 217, 216-227.	2.0	28
61	First synthesis of poly(furfuryl) alcohol precursor-based porous carbon beads as an efficient adsorbent for volatile organic compounds. <i>Chemical Engineering Journal</i> , 2019, 373, 365-374.	6.6	28
62	Wet air oxidation of aqueous dichlorvos pesticide over catalytic copper-carbon nanofibrous beads. <i>Chemical Engineering Journal</i> , 2018, 351, 428-440.	6.6	27
63	Modification of Activated Carbon Fiber by Metal Dispersion and Surface Functionalization for the Removal of 2-Chloroethanol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 13092-13104.	1.8	26
64	Application of hollow fiber membrane contactor for the removal of carbon dioxide from water under liquid-liquid extraction mode. <i>Journal of Membrane Science</i> , 2011, 375, 323-333.	4.1	26
65	Removal of phenol from water by catalytic wet air oxidation using carbon bead supported iron nanoparticle containing carbon nanofibers in an especially configured reactor. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1504-1513.	3.3	26
66	Lattice Boltzmann modelling of unsteady-state 2D concentration profiles in adsorption bed. <i>Chemical Engineering Science</i> , 2006, 61, 2510-2521.	1.9	25
67	Simulation of micro- and macro-transport in a packed bed of porous adsorbents by lattice Boltzmann methods. <i>Chemical Engineering Science</i> , 2007, 62, 3685-3698.	1.9	25
68	A lattice Boltzmann model for adsorption breakthrough. <i>Heat and Mass Transfer</i> , 2005, 41, 843-854.	1.2	24
69	Efficient electro-oxidation of diclofenac persistent organic pollutant in wastewater using carbon film-supported Cu-rGO electrode. <i>Chemosphere</i> , 2020, 248, 126030.	4.2	24
70	Rhizobacteria and Acylated Homoserine Lactone-Based Nanobiofertilizer to Improve Growth and Pathogen Defense in <i>Cicer arietinum</i> and <i>Triticum aestivum</i> Plants. <i>ACS Agricultural Science and Technology</i> , 2021, 1, 240-252.	1.0	24
71	Efficient hydrogen production using Ni-graphene oxide-dispersed laser-engraved 3D carbon micropillars as electrodes for microbial electrolytic cell. <i>Renewable Energy</i> , 2019, 138, 628-638.	4.3	23
72	Preparation of carbon molecular sieves from carbon micro and nanofibers for sequestration of CO <sub>2</sub> . <i>Chemical Engineering Research and Design</i> , 2011, 89, 1737-1746.	2.7	22

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73	Multi-stage fluidized bed column: Hydrodynamic study. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 957-970.	1.8	21
74	A CFD study on a vertical chemical vapor deposition reactor for growing carbon nanofibers. <i>Chemical Engineering Research and Design</i> , 2012, 90, 2293-2301.	2.7	21
75	Novel Cu-carbon nanofiber composites for the counter electrodes of dye-sensitized solar cells. <i>International Journal of Energy Research</i> , 2015, 39, 668-680.	2.2	21
76	Bacterial homoserine lactones as a nanocomposite fertilizer and defense regulator for chickpeas. <i>Environmental Science: Nano</i> , 2019, 6, 1246-1258.	2.2	21
77	Cu-Fe bimetal-carbon nanofibrous catalytic beads for enhanced oxidation of dichlorvos pesticide and simultaneous reduction of Cr(VI) in wet air. <i>Catalysis Today</i> , 2020, 348, 194-202.	2.2	21
78	Spermine biomarker of cancerous cells voltammetrically detected on a poly( $\beta$ -cyclodextrin) - electropolymerized carbon film dispersed with Cu - CNFs. <i>Sensors and Actuators B: Chemical</i> , 2020, 313, 128055.	4.0	21
79	A dual photoelectrode-based double-chambered microbial fuel cell applied for simultaneous COD and Cr (VI) reduction in wastewater. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 3160-3170.	3.8	21
80	Surfactant-Enhanced Multiscale Carbon Webs Including Nanofibers and Ni-Nanoparticles for the Removal of Gaseous Persistent Organic Pollutants. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 2104-2112.	1.8	20
81	Preparation of novel carbon microfiber/carbon nanofiber-dispersed polyvinyl alcohol-based nanocomposite material for lithium-ion electrolyte battery separator. <i>Materials Science and Engineering C</i> , 2013, 33, 1702-1709.	3.8	19
82	Carbon bead-supported nitrogen-enriched and Cu-doped carbon nanofibers for the abatement of NO emissions by reduction. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 62-71.	5.0	19
83	A CeO <sub>2</sub> sprinkled graphitic novel packed bed anode-based single-chamber MFC for the treatment of high organic-loaded industrial effluent in upflow continuous mode. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23106-23116.	5.2	19
84	Photocatalytic oxidation of glyphosate and reduction of Cr(VI) in water over ACF-supported CoNiWO <sub>4</sub> -gCN composite under batch and flow conditions. <i>Chemosphere</i> , 2022, 297, 134119.	4.2	19
85	Simultaneous scavenging of Cr(VI) from soil and facilitation of nutrient uptake in plant using a mixture of carbon microfibers and nanofibers. <i>Chemosphere</i> , 2020, 239, 124760.	4.2	18
86	Simulation of temperature fields in a narrow tubular adsorber by thermal lattice Boltzmann methods. <i>Chemical Engineering Science</i> , 2008, 63, 4269-4279.	1.9	17
87	Catalytic Oxidation of NO over CNF/ACF-Supported CeO <sub>2</sub> and Cu Nanoparticles at Room Temperature. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 12537-12547.	1.8	17
88	Removal of dissolved H <sub>2</sub> S from wastewater using hollow fiber membrane contactor: Experimental and mathematical analysis. <i>Desalination</i> , 2013, 314, 34-42.	4.0	16
89	Sequential desulfurization of thiol compounds containing liquid fuels: Adsorption over Ni-doped carbon beads followed by biodegradation using environmentally isolated <i>Bacillus zhangzhouensis</i> . <i>Fuel</i> , 2020, 277, 118208.	3.4	15
90	Lattice Boltzmann study of velocity, temperature, and concentration in micro-reactors. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 3175-3185.	2.5	14

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91	Development of bimetal-grown multi-scale carbon micro-nanofibers as an immobilizing matrix for enzymes in biosensor applications. <i>Materials Science and Engineering C</i> , 2013, 33, 4313-4322.	3.8	14
92	Contamination of Ultrapure Systems by Back-Diffusion of Gaseous Impurities. <i>Journal of the Electrochemical Society</i> , 1993, 140, 1459-1463.	1.3	13
93	A zinc nanoparticles-dispersed multi-scale web of carbon micro-nanofibers for hydrogen production step of ZnO/Zn water splitting thermochemical cycle. <i>Chemical Engineering Research and Design</i> , 2014, 92, 1079-1090.	2.7	13
94	Carbon bead-supported copper-dispersed carbon nanofibers: An efficient catalyst for wet air oxidation of industrial wastewater in a recycle flow reactor. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 67, 448-460.	2.9	13
95	Improved oxygen reduction and simultaneous glyphosate degradation over iron phthalocyanine and reduced graphene oxide-dispersed activated carbon fiber electrodes in a microbial fuel cell. <i>Journal of Power Sources</i> , 2021, 514, 230592.	4.0	13
96	Lattice Boltzmann methods for simulation of micro and macrotransport in a packed bed of porous adsorbents under non-isothermal condition. <i>Computers and Mathematics With Applications</i> , 2009, 58, 1003-1014.	1.4	12
97	Depinning of Drops on Inclined Smooth and Topographic Surfaces: Experimental and Lattice Boltzmann Model Study. <i>Langmuir</i> , 2014, 30, 11086-11095.	1.6	12
98	Methyl nicotinate biomarker of tuberculosis voltammetrically detected on cobalt nanoparticle-dispersed reduced graphene oxide-based carbon film in blood. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126754.	4.0	12
99	Mass transfer study on counter current multi-stage fluidized bed ion exchanger. <i>Chemical Engineering and Processing: Process Intensification</i> , 2006, 45, 31-45.	1.8	11
100	Numerical Investigation of Flow Patterns and Concentration Profiles in Mixers. <i>Chemical Engineering and Technology</i> , 2016, 39, 1963-1971.	0.9	11
101	Electrochemical hydrogen storage behavior of Ni-Ceria impregnated carbon micro-nanofibers. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 2491-2502.	3.8	11
102	CuCl <sub>2</sub> Nanoparticles Dispersed in Activated Carbon Fibers for the Oxygen Production Step of the Cu-Cl Thermochemical Water Splitting Cycle. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 15633-15641.	1.8	10
103	Enhanced hydrogen storage in graphitic carbon micro-nanofibers at moderate temperature and pressure: Synergistic interaction of asymmetrically-dispersed nickel-ceria nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 27139-27153.	3.8	10
104	Efficient oxygen reduction in a microbial fuel cell based on carbide-derived carbon electrode synthesized using thiourea as the single source of electroconductive heteroatoms and graphitic carbon. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 10982-10995.	3.8	9
105	Preparation, Surface Functionalization, and Characterization of Carbon Micro Fibers for Adsorption Applications. <i>Environmental Engineering Science</i> , 2011, 28, 725-733.	0.8	8
106	Synthesis of iron-doped resorcinol formaldehyde-based aerogels for the removal of Cr(VI) from water. <i>Green Processing and Synthesis</i> , 2015, 4, .	1.3	8
107	Removal of CO by Water-Gas Shift Reaction over Bimetal CeO <sub>2</sub> and Ni Nanoparticles Dispersed in Carbon Micro-nanofibers. <i>Catalysis Letters</i> , 2015, 145, 1262-1271.	1.4	8
108	Voltammetric Detection of Aqueous Glyphosate on a Copper and Poly(Pyrrole)-electromodified Activated Carbon Fiber. <i>Electroanalysis</i> , 2021, 33, 916-924.	1.5	8

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109	Membrane contactor for reactive extraction of succinic acid from aqueous solution by tertiary amine. <i>Chemical Engineering Research and Design</i> , 2014, 92, 2705-2714.	2.7	7
110	Iron-Carbon Nanofibers Coated with Acylated Homoserine Lactone Enhance Plant Growth and Suppress Fusarium Wilt Disease in <i>Cicer arietinum</i> by Modulating Soil Microbiome. <i>ACS Agricultural Science and Technology</i> , 2022, 2, 311-322.	1.0	7
111	A novel alumina nanoparticle-carbon micro-nanofiber-polypropylene nanocomposite with improved electrical, thermal, and mechanical properties. <i>Polymer Composites</i> , 2017, 38, E359.	2.3	6
112	Fe-enriched Clay-coated and Reduced Graphene Oxide-modified Ni-doped Polymer Nanocomposite: A Natural Recognition Element-based Sensing Electrode for DNT. <i>Electroanalysis</i> , 2019, 31, 535-544.	1.5	6
113	Moisture Drydown in Ultra-High-Purity Oxygen Systems. <i>Journal of the IEST</i> , 1998, 41, 13-15.	0.2	6
114	Coiled flow inverter mediated synthesis of activated carbon fiber-supported Ni nanoparticles. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 719-729.	1.9	5
115	Transient analysis of gas flow in a straight pipe. <i>Canadian Journal of Chemical Engineering</i> , 2001, 79, 18-27.	0.9	4
116	ANALYSIS OF RETENTION AND FLUX DECLINE DURING ULTRAFILTRATION OF LIMED SUGARCANE (CLARIFIED) JUICE. <i>Chemical Engineering Communications</i> , 2001, 188, 179-206.	1.5	4
117	Novel multi-staged radially cross-flow fluidized bed ion-exchange column. <i>Chemical Engineering and Processing: Process Intensification</i> , 2009, 48, 396-407.	1.8	4
118	Hydrodynamic study on radially cross-flow fluidized bed multi-staged ion-exchange column. <i>Chemical Engineering and Processing: Process Intensification</i> , 2010, 49, 1199-1204.	1.8	4
119	Mathematical Modelling of a Non-enzymatic Amperometric Electrochemical Biosensor for Cholesterol. <i>Electroanalysis</i> , 2020, 32, 1251-1262.	1.5	3
120	A Cu-CNF-rGO-functionalized carbon film indicated as a versatile electrode for sensing of biomarkers using electropolymerized recognition elements. <i>Journal of Materials Science</i> , 2022, 57, 6345-6360.	1.7	3
121	Sources and transport mechanisms of gaseous impurities in vertical thermal reactors. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 1996, 9, 312-319.	1.4	1
122	Transient Analysis of Two-Phase Flow during Blowdown of a Pipeline Carrying Flashing Liquids.. <i>Journal of Chemical Engineering of Japan</i> , 2002, 35, 982-995.	0.3	1
123	Transient analysis of a gas manifold system. <i>Canadian Journal of Chemical Engineering</i> , 2002, 80, 536-543.	0.9	0