

Feng F Hong

List of Publications by Year in descending order

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102
papers

6,332
citations

117625

34
h-index

66911

78
g-index

109
all docs

109
docs citations

109
times ranked

8555
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of catalysts for the electroreduction of carbon dioxide to produce low-carbon fuels. <i>Chemical Society Reviews</i> , 2014, 43, 631-675.	38.1	2,360
2	Preparation and evaluation of a kind of bacterial cellulose dry films with antibacterial properties. <i>Carbohydrate Polymers</i> , 2011, 84, 533-538.	10.2	224
3	Antimicrobial activity of silver nanoparticle impregnated bacterial cellulose membrane: Effect of fermentation carbon sources of bacterial cellulose. <i>Carbohydrate Polymers</i> , 2012, 87, 839-845.	10.2	190
4	A Biodegradable Antibacterial Nanocomposite Based on Oxidized Bacterial Nanocellulose for Rapid Hemostasis and Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 3382-3392.	8.0	190
5	Bacterial cellulose production from cotton-based waste textiles: Enzymatic saccharification enhanced by ionic liquid pretreatment. <i>Bioresource Technology</i> , 2012, 104, 503-508.	9.6	188
6	Fermentation strategies for improved heterologous expression of laccase in <i>Pichia pastoris</i> . <i>Biotechnology and Bioengineering</i> , 2002, 79, 438-449.	3.3	178
7	Application of phosphoric acid and phytic acid-doped bacterial cellulose as novel proton-conducting membranes to PEMFC. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 9182-9192.	7.1	167
8	An alternative carbon source from konjac powder for enhancing production of bacterial cellulose in static cultures by a model strain <i>Acetobacter acetii</i> subsp. <i>xylinus</i> ATCC 23770. <i>Carbohydrate Polymers</i> , 2008, 72, 545-549.	10.2	152
9	Hydrothermal synthesis of bacterial cellulose/AgNPs composite: A "green" route for antibacterial application. <i>Carbohydrate Polymers</i> , 2012, 87, 2482-2487.	10.2	144
10	Biotransformation of wheat straw to bacterial cellulose and its mechanism. <i>Bioresource Technology</i> , 2013, 135, 464-468.	9.6	138
11	Production of bacterial cellulose and enzyme from waste fiber sludge. <i>Biotechnology for Biofuels</i> , 2013, 6, 25.	6.2	116
12	Cohort Profile: the China Multi-Ethnic Cohort (CMEC) study. <i>International Journal of Epidemiology</i> , 2021, 50, 721-721l.	1.9	107
13	Polyacrylonitrile/polybenzoxazine-based Fe ₃ O ₄ @carbon nanofibers: hierarchical porous structure and magnetic adsorption property. <i>Journal of Materials Chemistry</i> , 2012, 22, 15919.	6.7	102
14	Bacterial nanocellulose/Nafion composite membranes for low temperature polymer electrolyte fuel cells. <i>Journal of Power Sources</i> , 2015, 273, 697-706.	7.8	92
15	Comparison of methods for detoxification of spruce hydrolysate for bacterial cellulose production. <i>Microbial Cell Factories</i> , 2013, 12, 93.	4.0	86
16	Potential of PVA-doped bacterial nano-cellulose tubular composites for artificial blood vessels. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8537-8547.	5.8	83
17	Enhanced decolourization efficiency of textile dye Reactive Blue 19 in a horizontal rotating reactor using strips of BNC-immobilized laccase: Optimization of conditions and comparison of decolourization efficiency. <i>Biochemical Engineering Journal</i> , 2020, 156, 107501.	3.6	71
18	Wheat straw acid hydrolysate as a potential cost-effective feedstock for production of bacterial cellulose. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 675-680.	3.2	70

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19	Zn ²⁺ -loaded TOBC nanofiber-reinforced biomimetic calcium alginate hydrogel for antibacterial wound dressing. <i>International Journal of Biological Macromolecules</i> , 2020, 143, 235-242.	7.5	67
20	Studies on the properties of graphene oxide-alkaline protease bio-composites. <i>Bioresource Technology</i> , 2012, 115, 136-140.	9.6	55
21	SARS-CoV-2 presented in the air of an intensive care unit (ICU). <i>Sustainable Cities and Society</i> , 2021, 65, 102446.	10.4	54
22	Single Inductor Dual Buck Full-Bridge Inverter. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 4869-4877.	7.9	52
23	Functionalization of Aminoalkylsilane-Grafted Bacterial Nanocellulose with ZnO-NPs-Doped Pullulan Electrospun Nanofibers for Multifunctional Wound Dressing. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3933-3946.	5.2	52
24	Using In situ Dynamic Cultures to Rapidly Biofabricate Fabric-Reinforced Composites of Chitosan/Bacterial Nanocellulose for Antibacterial Wound Dressings. <i>Frontiers in Microbiology</i> , 2016, 7, 260.	3.5	50
25	Association of long-term exposure to ambient air pollutants with blood lipids in Chinese adults: The China Multi-Ethnic Cohort study. <i>Environmental Research</i> , 2021, 197, 111174.	7.5	49
26	Evaluation of Fungal Laccase Immobilized on Natural Nanostructured Bacterial Cellulose. <i>Frontiers in Microbiology</i> , 2015, 6, 1245.	3.5	48
27	Performance improvements of the BNC tubes from unique double-silicone-tube bioreactors by introducing chitosan and heparin for application as small-diameter artificial blood vessels. <i>Carbohydrate Polymers</i> , 2017, 178, 394-405.	10.2	47
28	Preparation of a PET-Hydrolyzing Lipase from <i>Aspergillus oryzae</i> by the Addition of Bis(2-Hydroxyethyl) Terephthalate to the Culture Medium and Enzymatic Modification of PET Fabrics. <i>Engineering in Life Sciences</i> , 2008, 8, 268-276.	3.6	44
29	Evaluation of nanocellulose carriers produced by four different bacterial strains for laccase immobilization. <i>Carbohydrate Polymers</i> , 2018, 196, 457-464.	10.2	42
30	Physicochemical Properties and In Vitro Biocompatibility of Three Bacterial Nanocellulose Conduits for Blood Vessel Applications. <i>Carbohydrate Polymers</i> , 2020, 239, 116246.	10.2	42
31	Sterilization of Staphylococcus Aureus by an Atmospheric Non-Thermal Plasma Jet. <i>Plasma Science and Technology</i> , 2013, 15, 439-442.	1.5	40
32	Bacterial Nanocellulose-Enhanced Alginate Double-Network Hydrogels Cross-Linked with Six Metal Cations for Antibacterial Wound Dressing. <i>Polymers</i> , 2020, 12, 2683.	4.5	37
33	A poly-l-lysine-bonded TEMPO-oxidized bacterial nanocellulose-based antibacterial dressing for infected wound treatment. <i>Carbohydrate Polymers</i> , 2022, 287, 119266.	10.2	36
34	Enhanced apatite-forming ability and antibacterial activity of porous anodic alumina embedded with CaO-SiO ₂ -Ag ₂ O bioactive materials. <i>Materials Science and Engineering C</i> , 2016, 58, 700-708.	7.3	35
35	Rapid and convenient determination of oxalic acid employing a novel oxalate biosensor based on oxalate oxidase and SIRE technology. <i>Biosensors and Bioelectronics</i> , 2003, 18, 1173-1181.	10.1	34
36	Production of bacterial nanocellulose and enzyme from [AMIM]Cl-pretreated waste cotton fabrics: effects of dyes on enzymatic saccharification and nanocellulose production. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1413-1421.	3.2	34

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37	Interleaved Dual Buck Full-Bridge Three-Level Inverter. IEEE Transactions on Power Electronics, 2016, 31, 964-974.	7.9	34
38	Comparison of two types of bioreactors for synthesis of bacterial nanocellulose tubes as potential medical prostheses including artificial blood vessels. Journal of Chemical Technology and Biotechnology, 2017, 92, 1218-1228.	3.2	34
39	Preliminary Study on Biosynthesis of Bacterial Nanocellulose Tubes in a Novel Double-Silicone-Tube Bioreactor for Potential Vascular Prosthesis. BioMed Research International, 2015, 2015, 1-9.	1.9	33
40	Comparison of productivity and quality of bacterial nanocellulose synthesized using culture media based on seven sugars from biomass. Microbial Biotechnology, 2019, 12, 677-687.	4.2	33
41	Effects of aromatic compounds on the production of bacterial nanocellulose by <i>Gluconacetobacter xylinus</i> . Microbial Cell Factories, 2014, 13, 62.	4.0	31
42	An Approach of Utilizing Water-Soluble Carbohydrates in Lignocellulose Feedstock for Promotion of Cellulosic L-Lactic Acid Production. Journal of Agricultural and Food Chemistry, 2018, 66, 10225-10232.	5.2	29
43	Preparation and characterization of BC/PAM-AgNPs nanocomposites for antibacterial applications. Carbohydrate Polymers, 2015, 115, 636-642.	10.2	28
44	Scale-up of production of bacterial nanocellulose using submerged cultivation. Journal of Chemical Technology and Biotechnology, 2018, 93, 3418-3427.	3.2	28
45	Highly sensitive magnetic relaxation sensing method for aflatoxin B1 detection based on Au NP-assisted triple self-assembly cascade signal amplification. Biosensors and Bioelectronics, 2021, 192, 113489.	10.1	27
46	Improved Performance of Bacterial Nanocellulose Conduits by the Introduction of Silk Fibroin Nanoparticles and Heparin for Small-Caliber Vascular Graft Applications. Biomacromolecules, 2021, 22, 353-364.	5.4	26
47	In-situ growth of CuO/Cu nanocomposite electrode for efficient CO ₂ electroreduction to CO with bacterial cellulose as support. Journal of CO ₂ Utilization, 2020, 37, 188-194.	6.8	25
48	In Situ Fabrication of Nerve Growth Factor Encapsulated Chitosan Nanoparticles in Oxidized Bacterial Nanocellulose for Rat Sciatic Nerve Regeneration. Biomacromolecules, 2021, 22, 4988-4999.	5.4	25
49	Bioconversion of Waste Fiber Sludge to Bacterial Nanocellulose and Use for Reinforcement of CTMP Paper Sheets. Polymers, 2017, 9, 458.	4.5	24
50	Tolerance of the Nanocellulose-Producing Bacterium <i>Gluconacetobacter xylinus</i> to Lignocellulose-Derived Acids and Aldehydes. Journal of Agricultural and Food Chemistry, 2014, 62, 9792-9799.	5.2	22
51	The effect of elemental content on the risk of dental fluorosis and the exposure of the environment and population to fluoride produced by coal-burning. Environmental Toxicology and Pharmacology, 2017, 56, 329-339.	4.0	22
52	Dose-response association between sugar- and artificially sweetened beverage consumption and the risk of metabolic syndrome: a meta-analysis of population-based epidemiological studies. Public Health Nutrition, 2021, 24, 3892-3904.	2.2	22
53	Mercerization of tubular bacterial nanocellulose for control of the size and performance of small-caliber vascular grafts. Chemical Engineering Journal, 2022, 428, 131104.	12.7	21
54	Identification of a Keratinase-Producing Bacterial Strain and Enzymatic Study for Its Improvement on Shrink Resistance and Tensile Strength of Wool- and Polyester-Blended Fabric. Applied Biochemistry and Biotechnology, 2011, 163, 112-126.	2.9	20

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55	Performance of nanocellulose-producing bacterial strains in static and agitated cultures with different starting pH. <i>Carbohydrate Polymers</i> , 2019, 215, 280-288.	10.2	20
56	Homogeneous and efficient production of a bacterial nanocellulose-lactoferrin-collagen composite under an electric field as a matrix to promote wound healing. <i>Biomaterials Science</i> , 2021, 9, 930-941.	5.4	19
57	Preparation and characterization of bacterial cellulose/hydroxypropyl chitosan blend as-spun fibers. <i>Fibers and Polymers</i> , 2013, 14, 935-940.	2.1	18
58	Bacteria-engineered porous sponge for hemostasis and vascularization. <i>Journal of Nanobiotechnology</i> , 2022, 20, 47.	9.1	18
59	Oxidation Capacity of Laccases and Peroxidases as Reflected in Experiments With Methoxy-Substituted Benzyl Alcohols. <i>Applied Biochemistry and Biotechnology</i> , 2006, 129, 303-319.	2.9	17
60	Construction of selenium-embedded mesoporous silica with improved antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110910.	5.0	17
61	Implantation of air-dried bacterial nanocellulose conduits in a small-caliber vascular prosthesis rabbit model. <i>Materials Science and Engineering C</i> , 2021, 122, 111922.	7.3	17
62	Ethnic disparities in the association between ambient air pollution and risk for cardiometabolic abnormalities in China. <i>Science of the Total Environment</i> , 2022, 838, 155940.	8.0	17
63	Comparison of tolerance of four bacterial nanocellulose-producing strains to lignocellulose-derived inhibitors. <i>Microbial Cell Factories</i> , 2017, 16, 229.	4.0	15
64	<p></p>Association Between Bullying and Suicidal Behavior Among Chinese Adolescents: An Analysis of Gender Differences</p>. <i>Psychology Research and Behavior Management</i> , 2020, Volume 13, 89-96.	2.8	14
65	Induction of an Oxalate decarboxylase in the Filamentous Fungus <i>Trametes versicolor</i> by Addition of Inorganic Acids. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 655-664.	2.9	13
66	Manufacture of a novel anisotropic bacterial nanocellulose hydrogel membrane by using a rotary drum bioreactor. <i>Carbohydrate Polymers</i> , 2019, 211, 281-288.	10.2	13
67	Enzymatic degradation of oxalic acid for prevention of scaling. <i>Progress in Biotechnology</i> , 2002, 21, 231-238.	0.2	12
68	Using <i>in situ</i> nanocellulose coating technology based on dynamic bacterial cultures for upgrading conventional biomedical materials and reinforcing nanocellulose hydrogels. <i>Biotechnology Progress</i> , 2016, 32, 1077-1084.	2.6	11
69	Determination of live and dead <i>Komagataeibacter xylinus</i> cells and first attempt at precise control of inoculation in nanocellulose production. <i>Microbial Biotechnology</i> , 2020, 13, 458-469.	4.2	11
70	Silencing GSK3 β instead of DKK1 can inhibit osteogenic differentiation caused by co-exposure to fluoride and arsenic. <i>Bone</i> , 2019, 123, 196-203.	2.9	10
71	Enzymatic conversion of epigallocatechin gallate to epigallocatechin with an inducible hydrolase from <i>Aspergillus niger</i> . <i>Biocatalysis and Biotransformation</i> , 2008, 26, 306-312.	2.0	9
72	A novel approach for efficient fabrication of chitosan nanoparticles-embedded bacterial nanocellulose conduits. <i>Carbohydrate Polymers</i> , 2021, 264, 118002.	10.2	9

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73	Association of dietary patterns with obesity and metabolically healthy obesity phenotype in Chinese population: a cross-sectional analysis of China Multi-Ethnic Cohort Study. <i>British Journal of Nutrition</i> , 2022, 128, 2230-2240.	2.3	9
74	Fabrication of bacterial cellulose membrane-based alkaline-exchange membrane for application in electrochemical reduction of CO ₂ . <i>Separation and Purification Technology</i> , 2021, 272, 118910.	7.9	8
75	Evaluation of wet nanocellulose membranes produced by different bacterial strains for healing full-thickness skin defects. <i>Carbohydrate Polymers</i> , 2022, 285, 119218.	10.2	8
76	Prevalence of <i>Helicobacter pylori</i> in Non-Cardia Gastric Cancer in China: A Systematic Review and Meta-Analysis. <i>Frontiers in Oncology</i> , 2022, 12, 850389.	2.8	8
77	Enzymatic Production of Epigallocatechin by Using an Epigallocatechin Gallate Hydrolase Induced from <i>Aspergillus oryzae</i> . <i>Biotechnology Progress</i> , 2008, 24, 583-587.	2.6	7
78	Evaluation of six ionic liquids and application in pretreatment of sweet sorghum bagasse for bacterial nanocellulose production. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 3452-3461.	3.2	6
79	Dose-response association between serum uric acid levels and incident hypertension: a systematic review and meta-analysis of 17 prospective cohort studies of 32 thousand participants. <i>Acta Cardiologica</i> , 2020, 76, 1-6.	0.9	6
80	Hyperuricemia is Related to the Risk of Cardiovascular Diseases in Ethnic Chinese Elderly Women. <i>Global Heart</i> , 2022, 17, 12.	2.3	6
81	Patterns and demographic correlates of domain-specific physical activities and their associations with dyslipidaemia in China: a multiethnic cohort study. <i>BMJ Open</i> , 2022, 12, e052268.	1.9	6
82	Analysis of Threshold Effect of Urinary Heavy Metal Elements on the High Prevalence of Nephrolithiasis in Men. <i>Biological Trace Element Research</i> , 2021, , 1.	3.5	5
83	In-situ assembly of Cu/Cu ₂ O composite with CNT/Bacterial cellulose matrix as a support for efficient CO ₂ electroreduction reaction to CO and C ₂ H ₄ . <i>Separation and Purification Technology</i> , 2022, 280, 119832.	7.9	5
84	Oxalate decarboxylase of <i>Trametes versicolor</i> : biochemical characterization and performance in bleaching filtrates from the pulp and paper industry. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1600-1606.	3.2	4
85	Improved bacterial nanocellulose production from glucose without the loss of quality by evaluating thirteen agitator configurations at low speed. <i>Microbial Biotechnology</i> , 2019, 12, 1387-1402.	4.2	4
86	Novel ordered TiO ₂ nanodot array on 316LSS with enhanced antibacterial properties. <i>Materials Letters</i> , 2020, 266, 127503.	2.6	4
87	Spatial distribution and risk factors of adverse treatment outcomes of tuberculosis in Guizhou, China, 2013-2018. <i>Scientific Reports</i> , 2021, 11, 7706.	3.3	4
88	Relationship Between Sleep Duration and Stroke History in Middle-Aged and Elderly in Guiyang: A Cross-Sectional Survey. <i>Neuropsychiatric Disease and Treatment</i> , 2022, Volume 18, 243-252.	2.2	4
89	Characterization of bacterial cellulose membrane by scanning electron microscope, Fourier transform infrared spectroscopy and thermo-gravimetric analysis. <i>Journal of Biotechnology</i> , 2008, 136, S433.	3.8	3
90	Family History of Hypertension and Cobalt Exposure Synergistically Promote the Prevalence of Hypertension. <i>Biological Trace Element Research</i> , 2022, 200, 943-952.	3.5	3

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91	Health behaviors and metabolic risk factors are associated with dyslipidemia in ethnic Miao Chinese adults: the China multi-ethnic cohort study. <i>BMC Public Health</i> , 2021, 21, 851.	2.9	3
92	Induction of an oxalate decarboxylase in <i>Trametes versicolor</i> by addition of organic acids. <i>Journal of Biotechnology</i> , 2008, 136, S323-S324.	3.8	1
93	Nano-Cellulose Coating Small-Caliber Artificial Blood Vessel. <i>Advanced Materials Research</i> , 0, 332-334, 1794-1798.	0.3	1
94	A multiethnic association analysis of hyperuricaemia with cardiovascular risk in rural and urban areas in Chinese adults. <i>Scientific Reports</i> , 2021, 11, 23362.	3.3	1
95	The dose-response relationship of serum uric acid with Dyslipidaemia and its components: a cross-sectional study of a Chinese multi-ethnic cohort. <i>Lipids in Health and Disease</i> , 2022, 21, 36.	3.0	1
96	The relationship between occupational physical activity and dyslipidaemia in farmers with varying working modes in southwest China: the China multi-ethnic cohort study. <i>BMC Public Health</i> , 2022, 22, 840.	2.9	1
97	The Effect of Hot-Pressing on Performance of MEA Using Acid-Doped Bacterial Cellulose as Proton Exchange Membranes. <i>ECS Transactions</i> , 2013, 53, 255-261.	0.5	0
98	Electrolytic capacitor-less single-stage boost three-phase inverter for variable-speed AC motor system. , 2015, , .		0
99	Serum uric acid and risk of prehypertension: a dose-response meta-analysis of 17 observational studies of approximately 79 thousand participants. <i>Acta Cardiologica</i> , 2021, , 1-10.	0.9	0
100	3,4-Dihydro-1,4-benzothiazepin-5(2H)-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o113-o113.	0.2	0
101	Evaluation of anthropometric indices as a predictor of diabetes in Dong and Miao ethnicities in China: A cross-sectional analysis of China Multi-Ethnic Cohort Study. <i>PLoS ONE</i> , 2022, 17, e0265228.	2.5	0
102	Dietary patterns and gallstone risks in Chinese adults: a cross-sectional analysis of China Multi-Ethnic Cohort Study. <i>Journal of Epidemiology</i> , 2022, , .	2.4	0