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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99 papers	4,598 citations	28 h-index	67 g-index
109 ext. papers	5,429 ext. citations	6.6 avg, IF	6.06 L-index

#	Paper	IF	Citations
99	A review of catalysts for the electroreduction of carbon dioxide to produce low-carbon fuels. <i>Chemical Society Reviews</i> , 2014 , 43, 631-75	58.5	1890
98	Preparation and evaluation of a kind of bacterial cellulose dry films with antibacterial properties. <i>Carbohydrate Polymers</i> , 2011 , 84, 533-538	10.3	195
97	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	10.3	165
96	Fermentation strategies for improved heterologous expression of laccase in <i>Pichia pastoris</i> . <i>Biotechnology and Bioengineering</i> , 2002 , 79, 438-49	4.9	158
95	Bacterial cellulose production from cotton-based waste textiles: enzymatic saccharification enhanced by ionic liquid pretreatment. <i>Bioresource Technology</i> , 2012 , 104, 503-8	11	156
94	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	6.7	133
93	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	10.3	133
92	Hydrothermal synthesis of bacterial cellulose/AgNPs composite: A green route for antibacterial application. <i>Carbohydrate Polymers</i> , 2012 , 87, 2482-2487	10.3	120
91	Biotransformation of wheat straw to bacterial cellulose and its mechanism. <i>Bioresource Technology</i> , 2013 , 135, 464-8	11	111
90	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		96
89	Production of bacterial cellulose and enzyme from waste fiber sludge. <i>Biotechnology for Biofuels</i> , 2013 , 6, 25	7.8	90
88	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	9.5	84
87	Bacterial nanocellulose/Nafion composite membranes for low temperature polymer electrolyte fuel cells. <i>Journal of Power Sources</i> , 2015 , 273, 697-706	8.9	73
86	Comparison of methods for detoxification of spruce hydrolysate for bacterial cellulose production. <i>Microbial Cell Factories</i> , 2013 , 12, 93	6.4	70
85	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	3.5	62
84	Potential of PVA-doped bacterial nano-cellulose tubular composites for artificial blood vessels. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 8537-8547	7.3	59
83	Studies on the properties of graphene oxide-alkaline protease bio-composites. <i>Bioresource Technology</i> , 2012 , 115, 136-40	11	48

82	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	4.2	42
81	Evaluation of Fungal Laccase Immobilized on Natural Nanostructured Bacterial Cellulose. <i>Frontiers in Microbiology</i> , 2015 , 6, 1245	5.7	40
80	Single Inductor Dual Buck Full-Bridge Inverter. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 4869-4877	4.9	37
79	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	5.7	36
78	SARS-CoV-2 presented in the air of an intensive care unit (ICU). <i>Sustainable Cities and Society</i> , 2021 , 65, 102446	10.1	33
77	Evaluation of nanocellulose carriers produced by four different bacterial strains for laccase immobilization. <i>Carbohydrate Polymers</i> , 2018 , 196, 457-464	10.3	31
76	Sterilization of Staphylococcus Aureus by an Atmospheric Non-Thermal Plasma Jet. <i>Plasma Science and Technology</i> , 2013 , 15, 439-442	1.5	30
75	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	3.4	30
74	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, 1173-81	11.8	30
73	Cohort Profile: the China Multi-Ethnic Cohort (CMEC) study. <i>International Journal of Epidemiology</i> , 2021 , 50, 721-721l	7.8	30
72	Interleaved Dual Buck Full-Bridge Three-Level Inverter. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 964-974	7.2	28
71	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	10.3	26
70	Zn-loaded TOBC nanofiber-reinforced biomimetic calcium alginate hydrogel for antibacterial wound dressing. <i>International Journal of Biological Macromolecules</i> , 2020 , 143, 235-242	7.9	26
69	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, 700-8	8.3	24
68	Effects of aromatic compounds on the production of bacterial nanocellulose by <i>Gluconacetobacter xylinus</i> . <i>Microbial Cell Factories</i> , 2014 , 13, 62	6.4	24
67	Comparison of two types of bioreactors for synthesis of bacterial nanocellulose tubes as potential medical prostheses including artificial blood vessels. <i>Journal of Chemical Technology and Biotechnology</i> , 2017 , 92, 1218-1228	3.5	24
66	Preliminary Study on Biosynthesis of Bacterial Nanocellulose Tubes in a Novel Double-Silicone-Tube Bioreactor for Potential Vascular Prosthesis. <i>BioMed Research International</i> , 2015 , 2015, 560365	3	24
65	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	3.5	23

64	Scale-up of production of bacterial nanocellulose using submerged cultivation. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 3418-3427	3.5	22
63	Preparation and characterization of BC/PAM-AgNPs nanocomposites for antibacterial applications. <i>Carbohydrate Polymers</i> , 2015 , 115, 636-42	10.3	20
62	Bioconversion of Waste Fiber Sludge to Bacterial Nanocellulose and Use for Reinforcement of CTMP Paper Sheets. <i>Polymers</i> , 2017 , 9,	4.5	20
61	Comparison of productivity and quality of bacterial nanocellulose synthesized using culture media based on seven sugars from biomass. <i>Microbial Biotechnology</i> , 2019 , 12, 677-687	6.3	18
60	Physicochemical Properties and In Vitro Biocompatibility of Three Bacterial Nanocellulose Conduits for Blood Vessel Applications. <i>Carbohydrate Polymers</i> , 2020 , 239, 116246	10.3	18
59	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. <i>Applied Biochemistry and Biotechnology</i> , 2011 , 163, 112-26	3.2	18
58	An Approach of Utilizing Water-Soluble Carbohydrates in Lignocellulose Feedstock for Promotion of Cellulosic L-Lactic Acid Production. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 10225-10232	5.7	17
57	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. <i>Environmental Toxicology and Pharmacology</i> , 2017 , 56, 329-339	5.8	16
56	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	5.5	16
55	Preparation and characterization of bacterial cellulose/hydroxypropyl chitosan blend as-spun fibers. <i>Fibers and Polymers</i> , 2013 , 14, 935-940	2	15
54	Oxidation capacity of laccases and peroxidases as reflected in experiments with methoxy-substituted benzyl alcohols. <i>Applied Biochemistry and Biotechnology</i> , 2006 , 129-132, 303-19	3.2	15
53	Tolerance of the nanocellulose-producing bacterium <i>Gluconacetobacter xylinus</i> to lignocellulose-derived acids and aldehydes. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 9792-9	5.7	14
52	Performance of nanocellulose-producing bacterial strains in static and agitated cultures with different starting pH. <i>Carbohydrate Polymers</i> , 2019 , 215, 280-288	10.3	13
51	Bacterial Nanocellulose-Enhanced Alginate Double-Network Hydrogels Cross-Linked with Six Metal Cations for Antibacterial Wound Dressing. <i>Polymers</i> , 2020 , 12,	4.5	13
50	In-situ growth of CuO/Cu nanocomposite electrode for efficient CO ₂ electroreduction to CO with bacterial cellulose as support. <i>Journal of CO₂ Utilization</i> , 2020 , 37, 188-194	7.6	12
49	Comparison of tolerance of four bacterial nanocellulose-producing strains to lignocellulose-derived inhibitors. <i>Microbial Cell Factories</i> , 2017 , 16, 229	6.4	10
48	Enzymatic degradation of oxalic acid for prevention of scaling. <i>Progress in Biotechnology</i> , 2002 , 21, 231-238		10
47	Improved Performance of Bacterial Nanocellulose Conduits by the Introduction of Silk Fibroin Nanoparticles and Heparin for Small-Caliber Vascular Graft Applications. <i>Biomacromolecules</i> , 2021 , 22, 353-364	6.9	9

46	Highly sensitive magnetic relaxation sensing method for aflatoxin B1 detection based on Au NP-assisted triple self-assembly cascade signal amplification. <i>Biosensors and Bioelectronics</i> , 2021 , 192, 113489	11.8	9
45	Construction of selenium-embedded mesoporous silica with improved antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 190, 110910	6	8
44	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, 655-64	3.2	8
43	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	2.5	8
42	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	7.9	8
41	Using in situ nanocellulose-coating technology based on dynamic bacterial cultures for upgrading conventional biomedical materials and reinforcing nanocellulose hydrogels. <i>Biotechnology Progress</i> , 2016 , 32, 1077-84	2.8	8
40	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	7.4	8
39	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	6.3	7
38	Dose-response association between sugar- and artificially sweetened beverage consumption and the risk of metabolic syndrome: a meta-analysis of population-based epidemiological studies. <i>Public Health Nutrition</i> , 2021 , 24, 3892-3904	3.3	7
37	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	8.3	7
36	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	4.7	6
35	Manufacture of a novel anisotropic bacterial nanocellulose hydrogel membrane by using a rotary drum bioreactor. <i>Carbohydrate Polymers</i> , 2019 , 211, 281-288	10.3	6
34	In Situ Fabrication of Nerve Growth Factor Encapsulated Chitosan Nanoparticles in Oxidized Bacterial Nanocellulose for Rat Sciatic Nerve Regeneration. <i>Biomacromolecules</i> , 2021 ,	6.9	6
33	Association Between Bullying and Suicidal Behavior Among Chinese Adolescents: An Analysis of Gender Differences. <i>Psychology Research and Behavior Management</i> , 2020 , 13, 89-96	3.8	4
32	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	3.5	3
31	Enzymatic production of epigallocatechin by using an epigallocatechin gallate hydrolase induced from <i>Aspergillus oryzae</i> . <i>Biotechnology Progress</i> , 2008 , 24, 583-7	2.8	3
30	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	3.7	3
29	A novel approach for efficient fabrication of chitosan nanoparticles-embedded bacterial nanocellulose conduits. <i>Carbohydrate Polymers</i> , 2021 , 264, 118002	10.3	3

28	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> , 2021 , 280, 119832	8.3	3
27	Mercerization of tubular bacterial nanocellulose for control of the size and performance of small-caliber vascular grafts. <i>Chemical Engineering Journal</i> , 2022 , 428, 131104	14.7	3
26	A poly-l-lysine-bonded TEMPO-oxidized bacterial nanocellulose-based antibacterial dressing for infected wound treatment.. <i>Carbohydrate Polymers</i> , 2022 , 287, 119266	10.3	3
25	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> , 2021 , 76, 748-753	0.9	2
24	Novel ordered TiO ₂ nanodot array on 316LSS with enhanced antibacterial properties. <i>Materials Letters</i> , 2020 , 266, 127503	3.3	2
23	Spatial distribution and risk factors of adverse treatment outcomes of tuberculosis in Guizhou, China, 2013-2018. <i>Scientific Reports</i> , 2021 , 11, 7706	4.9	2
22	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	3.5	2
21	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	6.3	1
20	Nano-Cellulose Coating Small-Caliber Artificial Blood Vessel. <i>Advanced Materials Research</i> , 2011 , 332-334, 1794-1798	0.5	1
19	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 , 18, 243-252	3.1	1
18	Evaluation of wet nanocellulose membranes produced by different bacterial strains for healing full-thickness skin defects.. <i>Carbohydrate Polymers</i> , 2022 , 285, 119218	10.3	1
17	Family History of Hypertension and Cobalt Exposure Synergistically Promote the Prevalence of Hypertension. <i>Biological Trace Element Research</i> , 2021 , 1	4.5	1
16	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	4.1	1
15	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	8.3	1
14	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	3	1
13	Prevalence of in Non-Cardia Gastric Cancer in China: A Systematic Review and Meta-Analysis.. <i>Frontiers in Oncology</i> , 2022 , 12, 850389	5.3	1
12	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 , 1-29	3.6	0
11	Bacteria-engineered porous sponge for hemostasis and vascularization.. <i>Journal of Nanobiotechnology</i> , 2022 , 20, 47	9.4	0

10	A multiethnic association analysis of hyperuricaemia with cardiovascular risk in rural and urban areas in Chinese adults. <i>Scientific Reports</i> , 2021 , 11, 23362	4.9	o
9	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	4.5	o
8	Hyperuricemia is Related to the Risk of Cardiovascular Diseases in Ethnic Chinese Elderly Women.. <i>Global Heart</i> , 2022 , 17, 12	2.9	o
7	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	4.1	o
6	Ethnic disparities in the association between ambient air pollution and risk for cardiometabolic abnormalities in China.. <i>Science of the Total Environment</i> , 2022 , 155940	10.2	o
5	Induction of an oxalate decarboxylase in <i>Trametes versicolor</i> by addition of organic acids. <i>Journal of Biotechnology</i> , 2008 , 136, S323-S324	3.7	
4	3,4-Dihydro-1,4-benzothia-zepin-5(2H)-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 64, o113		
3	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	
2	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	3.7	
1	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	4.4	