

Min Zhao

List of Publications by Year in Descending Order

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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.

101
papers

2,426
citations

24
h-index

48
g-index

110
ext. papers

2,873
ext. citations

4.2
avg, IF

5.36
L-index

#	Paper	IF	Citations
101	Logistic modeling to predict the minimum inhibitory concentration (MIC) of olive leaf extract (OLE) against <i>Listeria monocytogenes</i> .. <i>PLoS ONE</i> , 2022 , 17, e0263359	3.7	
100	Efficiency and bacterial diversity of an improved anaerobic baffled reactor for the remediation of wastewater from alkaline-surfactant-polymer (ASP) flooding technology.. <i>PLoS ONE</i> , 2022 , 17, e0261458	3.7	1
99	Dual Mechanism Enhanced Peroxidase-like Activity of Iron-Nickel Bimetal-Organic Framework Nanozyme and Its Application for Biosensing. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 2984-2993	8.2	1
98	Label-free fluorescence detection of hydrogen peroxide and glucose based on the Ni-MOF nanozyme-induced self-ligand emission.. <i>Mikrochimica Acta</i> , 2022 , 189, 219	5.8	0
97	Fabrication and characterization of CdS nanowires templated in tobacco mosaic virus with improved photocatalytic ability. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 8255-8264	5.7	1
96	All-Fiber Strain Sensor Based on Dual Side V-Grooved Long-Period Fiber Grating. <i>IEEE Sensors Journal</i> , 2021 , 21, 21572-21576	4	
95	A spiral-polished fiber sensor for strain and temperature measurement. <i>Applied Physics B: Lasers and Optics</i> , 2021 , 127, 1	1.9	
94	The cytotoxicity of endogenous CdS and Cd ions during CdS NPs biosynthesis. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124485	12.8	8
93	An integrative description of <i>Pilatobius nuominensis</i> sp. nov. (Tardigrada: Hypsibiidae) from China. <i>Zootaxa</i> , 2021 , 5026, 59-70	0.5	
92	Effectiveness of sodium sulfite as an electron acceptor for bioenhanced treatment of salt-containing water produced from ASP flooding. <i>Chemosphere</i> , 2021 , 282, 131002	8.4	0
91	Hypoglycemic effects and modulation of gut microbiota of diabetic mice by saponin from <i>Polygonatum sibiricum</i> . <i>Food and Function</i> , 2020 , 11, 4327-4338	6.1	12
90	Effect of quinoid redox mediators during azo dye decolorization by anaerobic sludge: Considering the catalyzing mechanism and the methane production. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 202, 110859	7	6
89	Peroxidase activities of gold nanowires synthesized by TMV as template and their application in detection of cancer cells. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 3947-3957	5.7	9
88	A label-free fluorescence biosensor based on a bifunctional MIL-101(Fe) nanozyme for sensitive detection of choline and acetylcholine at nanomolar level. <i>Sensors and Actuators B: Chemical</i> , 2020 , 312, 128021	8.5	33
87	Development of a serological procedure for sensitive and rapid detection of <i>Thladiantha dubia</i> mosaic virus. <i>European Journal of Plant Pathology</i> , 2020 , 157, 693-697	2.1	
86	Natural flagella-templated Au nanowires as a novel adjuvant against <i>Listeria monocytogenes</i> . <i>Nanoscale</i> , 2020 , 12, 5627-5635	7.7	7
85	A new species of <i>Diphascos</i> (Tardigrada: Hypsibiidae) from Northern China supported by integrated taxonomy. <i>Zootaxa</i> , 2020 , 4722, zootaxa.4722.2.5	0.5	

84	In vitro antifungal activity and possible mechanisms of action of chelerythrine. <i>Pesticide Biochemistry and Physiology</i> , 2020 , 164, 140-148	4.9	5
83	Structural analysis and potential anti-tumor activity of <i>Sporisorium reilianum</i> (Fries) polysaccharide. <i>International Journal of Biological Macromolecules</i> , 2020 , 153, 986-994	7.9	5
82	Activated sludge and other aerobic suspended culture processes. <i>Water Environment Research</i> , 2020 , 92, 1717-1725	2.8	3
81	TMT-based quantitative proteomic analysis of antitumor mechanism of <i>Sporisorium reilianum</i> polysaccharide WM-NP-60 against HCT116 cells. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 1755-1764	7.9	1
80	Season-dependence of soil extracellular enzyme activities in a <i>Pinus koraiensis</i> forest on Changbai Mountain. <i>Journal of Forestry Research</i> , 2020 , 32, 1713	2	1
79	Thladiantha Dubia Mosaic Virus: A Novel Potyvirus Infecting Manchurian Tubergourd () in Northeast China. <i>Plant Disease</i> , 2019 , 103, 2933-2939	1.5	2
78	Enhanced catalytic efficiency of CotA-laccase by DNA shuffling. <i>Bioengineered</i> , 2019 , 10, 182-189	5.7	8
77	Enzymatic extraction optimization, anti-HBV and antioxidant activities of polysaccharides from <i>Viscum coloratum</i> (Kom.) Nakai. <i>International Journal of Biological Macromolecules</i> , 2019 , 134, 588-594	7.9	20
76	Iron Oxide Hydroxide, Ferrihydrite Produced by Exhibiting Intrinsic Peroxidase-Like Activity and Their Analytical Applications. <i>BioMed Research International</i> , 2019 , 2019, 7127869	3	5
75	<i>Trichoderma asperellum</i> ACCC30536 inoculation improves soil nutrition and leaf artemisinin production in <i>Artemisia annua</i> . <i>Acta Physiologiae Plantarum</i> , 2019 , 41, 1	2.6	5
74	Target-directed functionalized ferrous phosphate-carbon dots fluorescent nanostructures as peroxidase mimetics for cancer cell detection and ROS-mediated therapy. <i>Sensors and Actuators B: Chemical</i> , 2019 , 297, 126739	8.5	17
73	A self-activated nanobiocatalytic cascade system based on an enzyme-inorganic hybrid nanoflower for colorimetric and visual detection of glucose in human serum. <i>Sensors and Actuators B: Chemical</i> , 2019 , 284, 45-54	8.5	27
72	Bacterial intracellular nanoparticles exhibiting antioxidant properties and the significance of their formation in ROS detoxification. <i>Environmental Microbiology Reports</i> , 2019 , 11, 140-146	3.7	4
71	3D flower-like ferrous(II) phosphate nanostructures as peroxidase mimetics for sensitive colorimetric detection of hydrogen peroxide and glucose at nanomolar level. <i>Talanta</i> , 2018 , 182, 230-240	6.2	46
70	Diversity and characteristics of colonization of root-associated fungi of <i>Vaccinium uliginosum</i> . <i>Scientific Reports</i> , 2018 , 8, 15283	4.9	10
69	Electrically Insulated Epoxy Nanocomposites Reinforced with Synergistic Core-Shell SiO ₂ @MWCNTs and Montmorillonite Bifillers. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1700357	2.6	150
68	Biodegradation of aniline by a novel bacterial mixed culture AC. <i>International Biodeterioration and Biodegradation</i> , 2017 , 125, 86-96	4.8	30
67	iTRAQ-Based Quantitative Proteomic Analysis of the Inhibitory Effects of Polysaccharides from <i>Viscum coloratum</i> (Kom.) Nakai on HepG2 Cells. <i>Scientific Reports</i> , 2017 , 7, 4596	4.9	9

66	Production of poly-Hydroxybutyrate by activated sludge in sequencing batch reactor under aerobic conditions. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017 , 32, 733-738	1	1
65	A simple strategy for extracellular production of CotA laccase in <i>Escherichia coli</i> and decolorization of simulated textile effluent by recombinant laccase. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 685-696	5.7	24
64	Extraction of Chelerythrine and its Effects on Pathogenic Fungus Spore Germination. <i>Pharmacognosy Magazine</i> , 2017 , 13, 600-606	0.8	7
63	Cloning and characterization of CotA laccase from <i>Bacillus subtilis</i> WD23 decoloring dyes. <i>Annals of Microbiology</i> , 2016 , 66, 461-467	3.2	14
62	A proteomic analysis of mushroom polysaccharide-treated HepG2 cells. <i>Scientific Reports</i> , 2016 , 6, 23565	4.9	23
61	The effect of anaerobic-aerobic and feast-famine cultivation pattern on bacterial diversity during poly-Hydroxybutyrate production from domestic sewage sludge. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 12966-75	5.1	7
60	Photoinhibition and photoinhibition-like damage to the photosynthetic apparatus in tobacco leaves induced by <i>Pseudomonas syringae</i> pv. <i>Tabaci</i> under light and dark conditions. <i>BMC Plant Biology</i> , 2016 , 16, 29	5.3	37
59	Metagenomic analysis of microbial community in uranium-contaminated soil. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 299-310	5.7	50
58	The Comparative Study on the Rapid Decolorization of Azo, Anthraquinone and Triphenylmethane Dyes by Anaerobic Sludge. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	27
57	Light Suppresses Bacterial Population through the Accumulation of Hydrogen Peroxide in Tobacco Leaves Infected with <i>Pseudomonas syringae</i> pv. <i>tabaci</i> . <i>Frontiers in Plant Science</i> , 2016 , 7, 512	6.2	14
56	Magnetic <i>Ganoderma lucidum</i> spore microspheres: A novel material to immobilize CotA multicopper oxidase for dye decolorization. <i>Journal of Hazardous Materials</i> , 2016 , 313, 122-9	12.8	11
55	Purification, characterization and anti-proliferation activities of polysaccharides extracted from <i>Viscum coloratum</i> (Kom.) Nakai. <i>Carbohydrate Polymers</i> , 2016 , 149, 121-30	10.3	60
54	Effect of quinoid redox mediators on the aerobic decolorization of azo dyes by cells and cell extracts from <i>Escherichia coli</i> . <i>Environmental Science and Pollution Research</i> , 2015 , 22, 4621-30	5.1	4
53	Expression of CotA laccase in <i>Pichia pastoris</i> and its electrocatalytic sensing application for hydrogen peroxide. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 9483-93	5.7	12
52	Polyethyleneglycol diacrylate microspheres: a novel carrier for laccase immobilisation. <i>Journal of Microencapsulation</i> , 2015 , 32, 22-8	3.4	2
51	Secretory expression and characterization of a novel thermo-stable, salt-tolerant endo-1,4- β -mannanase of <i>Bacillus subtilis</i> WD23 by <i>Pichia pastoris</i> . <i>European Food Research and Technology</i> , 2015 , 240, 671-677	3.4	5
50	Biogenic magnetic nanoparticles from <i>Burkholderia</i> sp. YN01 exhibiting intrinsic peroxidase-like activity and their applications. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 703-15	5.7	20
49	Enhanced expression of an industry applicable CotA laccase from <i>Bacillus subtilis</i> in <i>Pichia pastoris</i> by non-repressing carbon sources together with pH adjustment: Recombinant enzyme characterization and dye decolorization. <i>Process Biochemistry</i> , 2015 , 50, 97-103	4.8	30

48	COMPARATIVE STUDIES OF ENANTIOSEPARATION OF SOME AMINO ACIDS AND N-PROTECTED AMINO ACIDS IN NORMAL PHASE HPLC AND ANALYSIS OF UNUSUAL PEAK SHAPE. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2014 , 37, 433-445	1.3	2
47	Catalase mimic property of Co ₃ O ₄ nanomaterials with different morphology and its application as a calcium sensor. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7090-8	9.5	121
46	Decolourization of azo dyes by a newly isolated sp. strain Y3, and effects of various factors on biodegradation. <i>Biotechnology and Biotechnological Equipment</i> , 2014 , 28, 478-486	1.6	48
45	Controlled synthesis and luminescent properties of DyPO ₄ :Eu nanostructures. <i>RSC Advances</i> , 2014 , 4, 50731-50738	3.7	4
44	Induction of a white laccase from the deuteromycete <i>Myrothecium verrucaria</i> NF-05 and its potential in decolorization of dyes. <i>Biocatalysis and Biotransformation</i> , 2014 , 32, 214-221	2.5	7
43	Effect of microencapsulation methods on the survival of freeze-dried <i>Bifidobacterium bifidum</i> . <i>Journal of Microencapsulation</i> , 2013 , 30, 511-8	3.4	16
42	Fabrication of Super-Hydrophobic Surface on Stainless Steel Using Chemical Etching Method. <i>Key Engineering Materials</i> , 2013 , 562-565, 33-38	0.4	7
41	Oxidation of aromatic compounds and bioelectrocatalysis of peroxide by a novel white laccase from <i>Myrothecium verrucaria</i> NF-05. <i>Catalysis Communications</i> , 2013 , 31, 48-51	3.2	3
40	AKT signalling and mitochondrial pathways are involved in mushroom polysaccharide-induced apoptosis and G1 or S phase arrest in human hepatoma cells. <i>Food Chemistry</i> , 2013 , 138, 2130-9	8.5	29
39	Cloning and expression of thermo-alkali-stable laccase of <i>Bacillus licheniformis</i> in <i>Pichia pastoris</i> and its characterization. <i>Bioresource Technology</i> , 2013 , 134, 81-6	11	84
38	Co ₃ O ₄ nanoparticles as an efficient catalase mimic: Properties, mechanism and its electrocatalytic sensing application for hydrogen peroxide. <i>Journal of Molecular Catalysis A</i> , 2013 , 378, 30-37		102
37	Evolutionary and ontogenetic changes in RNA editing in human, chimpanzee, and macaque brains. <i>Rna</i> , 2013 , 19, 1693-702	5.8	25
36	Characterization and dye decolorization ability of an alkaline resistant and organic solvents tolerant laccase from <i>Bacillus licheniformis</i> LS04. <i>Bioresource Technology</i> , 2012 , 115, 35-40	11	88
35	Purification and characterization of an azoreductase from <i>Escherichia coli</i> CD-2 possessing quinone reductase activity. <i>Process Biochemistry</i> , 2012 , 47, 544-549	4.8	19
34	Microbial community structures in mixed bacterial consortia for azo dye treatment under aerobic and anaerobic conditions. <i>Journal of Hazardous Materials</i> , 2012 , 221-222, 185-92	12.8	54
33	Polysaccharides from <i>Phellinus linteus</i> inhibit cell growth and invasion and induce apoptosis in HepG2 human hepatocellular carcinoma cells. <i>Biologia (Poland)</i> , 2012 , 67, 247-254	1.5	10
32	Decolorization of synthetic dyes by immobilized spore from <i>Bacillus amyloliquefaciens</i> . <i>Catalysis Communications</i> , 2012 , 26, 58-62	3.2	22
31	Purification, characterization and decolorization of bilirubin oxidase from <i>Myrothecium verrucaria</i> 3.2190. <i>Fungal Biology</i> , 2012 , 116, 863-71	2.8	9

30	Preparation and anticorrosion properties of polyaniline-containing coating on Mg-Li alloy. <i>Anti-Corrosion Methods and Materials</i> , 2012 , 59, 291-298	0.8	10
29	Intrinsic peroxidase-like activity and catalase-like activity of Co3O4 nanoparticles. <i>Chemical Communications</i> , 2012 , 48, 2540-2	5.8	563
28	Simple process for preparation of optically active methacrylates polymer with controlled molecular weight. <i>Polymer Bulletin</i> , 2012 , 68, 1525-1535	2.4	
27	Characterisation of a novel white laccase from the deuteromycete fungus <i>Myrothecium verrucaria</i> NF-05 and its decolourisation of dyes. <i>PLoS ONE</i> , 2012 , 7, e38817	3.7	41
26	Isolation and Characterization of Laccase Activity in a Novel <i>Bacillus amyloliquefaciens</i> LC02. <i>Advanced Materials Research</i> , 2011 , 183-185, 773-777	0.5	7
25	Properties of Immobilized Laccase on Mesoporous Cellular Foam Silica and its Use in Dye Decolorization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011 , 48, 447-453	2.2	9
24	Mediator-Based Decolorization of Recalcitrant Dyes with Laccase from <i>Bacillus amyloliquefaciens</i> LS01. <i>Advanced Materials Research</i> , 2011 , 183-185, 768-772	0.5	1
23	Encapsulation of <i>Bifidobacterium bifidum</i> in Improved Alginate Microcapsules to Prolonging Viability. <i>Advanced Materials Research</i> , 2011 , 183-185, 1481-1485	0.5	2
22	Isolation and Dye Decolorization of a <i>Bacillus subtilis</i> Strain LS02 Exhibiting Laccase Activity. <i>Advanced Materials Research</i> , 2011 , 183-185, 839-843	0.5	
21	The Single Factor Research on the Optimal Conditions of Laccase Immobilization on the Resin. <i>Advanced Materials Research</i> , 2011 , 183-185, 2211-2215	0.5	
20	Inducement Expression and Synthetic Dyes Decolourization Capacity of CotA. <i>Advanced Materials Research</i> , 2011 , 236-238, 2344-2348	0.5	
19	Decolorization of Azo Dyes by a New Strain CD-2 Isolated from the Textile Dye Contaminated Water. <i>Advanced Materials Research</i> , 2011 , 183-185, 381-386	0.5	2
18	MicroRNA expression and regulation in human, chimpanzee, and macaque brains. <i>PLoS Genetics</i> , 2011 , 7, e1002327	6	101
17	Characteristics of Spore-Bound Laccase from <i>Bacillus subtilis</i> WD23 and its Use in Dye Decolorization. <i>Advanced Materials Research</i> , 2010 , 113-116, 226-230	0.5	2
16	Isolation and Cultivation Optimization of Chlorimuron-Ethyl Degrading Strains. <i>Advanced Materials Research</i> , 2010 , 113-116, 913-918	0.5	
15	Isolation and Characterization of a Novel <i>Bacillus subtilis</i> WD23 Exhibiting Laccase Activity from Forest Soil. <i>Advanced Materials Research</i> , 2010 , 113-116, 725-729	0.5	5
14	Biological characteristics of five wood-rotting fungi and wood-decaying ability to <i>Betula platyphylla</i> . <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2009 , 4, 508-515		3
13	Microstructure and tensile properties of TiB2p/6061Al composites. <i>Transactions of Nonferrous Metals Society of China</i> , 2009 , 19, s542-s546	3.3	8

12	Immobilization of laccase on mesoporous molecular sieve SBA-15. <i>Journal of Biotechnology</i> , 2008 , 136, S435	3.7	
11	Synthesis of cross-linked polyethylene glycol diacrylate polymers and their application as supports for laccase immobilization. <i>Journal of Biotechnology</i> , 2008 , 136, S325	3.7	2
10	Study on the oxidative system examination and laccase production of wood decay fungus. <i>Journal of Biotechnology</i> , 2008 , 136, S326-S327	3.7	
9	Purification and characterization of laccase from the white rot fungus <i>Cerrena unicolor</i> and its use in dye decolorization. <i>Journal of Biotechnology</i> , 2008 , 136, S327	3.7	3
8	Laccase immobilization into mesoporous silica materials and its stability and catalytic properties. <i>Journal of Biotechnology</i> , 2008 , 136, S382-S383	3.7	1
7	Preparation technology of <i>Bifidobacterium bifidum</i> freeze-dried powder and microencapsulation and study on its characters. <i>Journal of Biotechnology</i> , 2008 , 136, S514	3.7	
6	Purification and characterization of laccase from <i>Pycnoporus sanguineus</i> and decolorization of an anthraquinone dye by the enzyme. <i>Applied Microbiology and Biotechnology</i> , 2007 , 74, 1232-9	5.7	107
5	Immobilization of Laccase by Alginate-Chitosan Microcapsules and its Use in Dye Decolorization. <i>World Journal of Microbiology and Biotechnology</i> , 2007 , 23, 159-166	4.4	126
4	Effects of Particle Size on Microstructure of the Matrix Alloy in Aluminum Matrix Composites. <i>Materials Science Forum</i> , 2007 , 546-549, 1655-1659	0.4	
3	Effect of Heat-Treatment on the Mechanical Properties of TiB ₂ P/2024Al Composite. <i>Key Engineering Materials</i> , 2007 , 353-358, 1322-1325	0.4	
2	Chiral Separation of Enantiomers of a Plant Growth Regulator, Abscisic Acid, by Capillary Electrophoresis with Cyclodextrin Additives. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003 , 26, 1709-1717	1.3	4
1	Hydrogen iron oxide from an <i>Acinetobacter</i> strain exhibiting intrinsic peroxidase-like activity and its catalytic mechanism and applications. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	0