

Min Zhao

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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 | Intrinsic peroxidase-like activity and catalase-like activity of Co ₃ O ₄ nanoparticles. <i>Chemical Communications</i> , 2012 , 48, 2540-2 | 5.8 | 563 |
| 100 | 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 |
| 99 | 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 |
| 98 | 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 |
| 97 | 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 |
| 96 | 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 |
| 95 | MicroRNA expression and regulation in human, chimpanzee, and macaque brains. <i>PLoS Genetics</i> , 2011 , 7, e1002327 | 6 | 101 |
| 94 | 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 |
| 93 | 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 |
| 92 | 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 |
| 91 | 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 |
| 90 | Metagenomic analysis of microbial community in uranium-contaminated soil. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 299-310 | 5.7 | 50 |
| 89 | 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 |
| 88 | 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 |
| 87 | 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 |
| 86 | 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 |
| 85 | 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 |

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|----|---|-----|----|
| 84 | Biodegradation of aniline by a novel bacterial mixed culture AC. <i>International Biodeterioration and Biodegradation</i> , 2017 , 125, 86-96 | 4.8 | 30 |
| 83 | 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 |
| 82 | 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 |
| 81 | 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 |
| 80 | 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 |
| 79 | Evolutionary and ontogenetic changes in RNA editing in human, chimpanzee, and macaque brains. <i>Rna</i> , 2013 , 19, 1693-702 | 5.8 | 25 |
| 78 | 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 |
| 77 | A proteomic analysis of mushroom polysaccharide-treated HepG2 cells. <i>Scientific Reports</i> , 2016 , 6, 235654.9 | 4.9 | 23 |
| 76 | Decolorization of synthetic dyes by immobilized spore from <i>Bacillus amyloliquefaciens</i> . <i>Catalysis Communications</i> , 2012 , 26, 58-62 | 3.2 | 22 |
| 75 | 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 |
| 74 | 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 |
| 73 | 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 |
| 72 | 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 |
| 71 | 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 |
| 70 | 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 |
| 69 | 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 |
| 68 | 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 |
| 67 | 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 |

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|----|---|------|----|
| 66 | 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 |
| 65 | 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 |
| 64 | 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 |
| 63 | Diversity and characteristics of colonization of root-associated fungi of <i>Vaccinium uliginosum</i> . <i>Scientific Reports</i> , 2018 , 8, 15283 | 4.9 | 10 |
| 62 | 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 |
| 61 | 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 |
| 60 | 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 |
| 59 | Properties of Immobilized Laccase on Mesostructured 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 |
| 58 | Enhanced catalytic efficiency of CotA-laccase by DNA shuffling. <i>Bioengineered</i> , 2019 , 10, 182-189 | 5.7 | 8 |
| 57 | Microstructure and tensile properties of TiB ₂ p/6061Al composites. <i>Transactions of Nonferrous Metals Society of China</i> , 2009 , 19, s542-s546 | 3.3 | 8 |
| 56 | The cytotoxicity of endogenous CdS and Cd ions during CdS NPs biosynthesis. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124485 | 12.8 | 8 |
| 55 | Natural flagella-templated Au nanowires as a novel adjuvant against <i>Listeria monocytogenes</i> . <i>Nanoscale</i> , 2020 , 12, 5627-5635 | 7.7 | 7 |
| 54 | The effect of anaerobic-aerobic and feast-famine cultivation pattern on bacterial diversity during poly- γ -hydroxybutyrate production from domestic sewage sludge. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 12966-75 | 5.1 | 7 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | Extraction of Chelerythrine and its Effects on Pathogenic Fungus Spore Germination. <i>Pharmacognosy Magazine</i> , 2017 , 13, 600-606 | 0.8 | 7 |
| 49 | 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 |

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| 48 | 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 |
| 47 | Trichoderma asperellum ACCC30536 inoculation improves soil nutrition and leaf artemisinin production in Artemisia annua. <i>Acta Physiologiae Plantarum</i> , 2019 , 41, 1 | 2.6 | 5 |
| 46 | Secretory expression and characterization of a novel thermo-stable, salt-tolerant endo-1,4-βmannanase of Bacillus subtilis WD23 by Pichia pastoris. <i>European Food Research and Technology</i> , 2015 , 240, 671-677 | 3.4 | 5 |
| 45 | In vitro antifungal activity and possible mechanisms of action of chelerythrine. <i>Pesticide Biochemistry and Physiology</i> , 2020 , 164, 140-148 | 4.9 | 5 |
| 44 | Isolation and Characterization of a Novel Bacillus subtilis WD23 Exhibiting Laccase Activity from Forest Soil. <i>Advanced Materials Research</i> , 2010 , 113-116, 725-729 | 0.5 | 5 |
| 43 | Structural analysis and potential anti-tumor activity of Sporisorium reilianum (Fries) polysaccharide. <i>International Journal of Biological Macromolecules</i> , 2020 , 153, 986-994 | 7.9 | 5 |
| 42 | Effect of quinoid redox mediators on the aerobic decolorization of azo dyes by cells and cell extracts from Escherichia coli. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 4621-30 | 5.1 | 4 |
| 41 | Controlled synthesis and luminescent properties of DyPO4:Eu nanostructures. <i>RSC Advances</i> , 2014 , 4, 50731-50738 | 3.7 | 4 |
| 40 | 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 |
| 39 | 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 |
| 38 | Oxidation of aromatic compounds and bioelectrocatalysis of peroxide by a novel white laccase from Myrothecium verrucaria NF-05. <i>Catalysis Communications</i> , 2013 , 31, 48-51 | 3.2 | 3 |
| 37 | Biological characteristics of five wood-rotting fungi and wood-decaying ability to Betula platyphylla. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2009 , 4, 508-515 | | 3 |
| 36 | Purification and characterization of laccase from the white rot fungus Cerrena unicolor and its use in dye decolorization. <i>Journal of Biotechnology</i> , 2008 , 136, S327 | 3.7 | 3 |
| 35 | Activated sludge and other aerobic suspended culture processes. <i>Water Environment Research</i> , 2020 , 92, 1717-1725 | 2.8 | 3 |
| 34 | Thladiantha Dubia Mosaic Virus: A Novel Potyvirus Infecting Manchurian Tubergourd () in Northeast China. <i>Plant Disease</i> , 2019 , 103, 2933-2939 | 1.5 | 2 |
| 33 | Polyethyleneglycol diacrylate microspheres: a novel carrier for laccase immobilisation. <i>Journal of Microencapsulation</i> , 2015 , 32, 22-8 | 3.4 | 2 |
| 32 | 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 |
| 31 | Characteristics of Spore-Bound Laccase from Bacillus subtilis WD23 and its Use in Dye Decolorization. <i>Advanced Materials Research</i> , 2010 , 113-116, 226-230 | 0.5 | 2 |

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| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | 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 |
| 26 | 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 |
| 25 | Laccase immobilization into mesoporous silica materials and its stability and catalytic properties. <i>Journal of Biotechnology</i> , 2008 , 136, S382-S383 | 3.7 | 1 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 | 8.3 | 1 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 | |
| 15 | A new species of <i>Diphasco</i> (Tardigrada: Hypsibiidae) from Northern China supported by integrated taxonomy. <i>Zootaxa</i> , 2020 , 4722, zootaxa.4722.2.5 | 0.5 | |
| 14 | Simple process for preparation of optically active methacrylates polymer with controlled molecular weight. <i>Polymer Bulletin</i> , 2012 , 68, 1525-1535 | 2.4 | |
| 13 | Isolation and Cultivation Optimization of Chlorimuron-Ethyl Degrading Strains. <i>Advanced Materials Research</i> , 2010 , 113-116, 913-918 | 0.5 | |

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| 12 | 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 |
| 11 | 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 |
| 10 | Inducement Expression and Synthetic Dyes Decolourization Capacity of CotA. <i>Advanced Materials Research</i> , 2011 , 236-238, 2344-2348 | 0.5 |
| 9 | Immobilization of laccase on mesoporous molecular sieve SBA-15. <i>Journal of Biotechnology</i> , 2008 , 136, S435 | 3.7 |
| 8 | Study on the oxidative system examination and laccase production of wood decay fungus. <i>Journal of Biotechnology</i> , 2008 , 136, S326-S327 | 3.7 |
| 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 | 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 |
| 5 | Effect of Heat-Treatment on the Mechanical Properties of TiB2P/2024Al Composite. <i>Key Engineering Materials</i> , 2007 , 353-358, 1322-1325 | 0.4 |
| 4 | 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 |
| 3 | All-Fiber Strain Sensor Based on Dual Side V-Grooved Long-Period Fiber Grating. <i>IEEE Sensors Journal</i> , 2021 , 21, 21572-21576 | 4 |
| 2 | A spiral-polished fiber sensor for strain and temperature measurement. <i>Applied Physics B: Lasers and Optics</i> , 2021 , 127, 1 | 1.9 |
| 1 | An integrative description of <i>Pilatobius nuominensis</i> sp. nov. (Tardigrada: Hypsibiidae) from China. <i>Zootaxa</i> , 2021 , 5026, 59-70 | 0.5 |