

Ping Wei

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.

62

papers

871

citations

16

h-index

27

g-index

67

ext. papers

1,250

ext. citations

6.1

avg, IF

4.69

L-index

#	Paper	IF	Citations
62	Designing a Highly Stable Enzyme-Graphene Oxide Biohybrid as a Sensitive Biorecognition Module for Biosensor Fabrication with Superior Performance and Stability. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 2971-2983	8.3	0
61	Construction of Zn-heptapeptide bionanozymes with intrinsic hydrolase-like activity for degradation of di(2-ethylhexyl) phthalate.. <i>Journal of Colloid and Interface Science</i> , 2022 , 622, 860-870	9.3	2
60	Novel Antioxidative Wall Materials for Microencapsulation via the Maillard Reaction between the Soy Protein Isolate and Prebiotic Oligosaccharides. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 13744-13753	5.7	0
59	A Versatile Competitive Coordination Strategy for Tailoring Bioactive Zeolitic Imidazolate Framework Composites. <i>Small</i> , 2021 , 17, e2007586	11	3
58	Extraction and characterization of a functional protein from Champ. leaf. <i>Natural Product Research</i> , 2021 , 1-8	2.3	1
57	Harnessing the biocatalytic attributes and applied perspectives of nanoengineered laccases-A review. <i>International Journal of Biological Macromolecules</i> , 2021 , 166, 352-373	7.9	21
56	Biotechnology and bioengineering of pullulanase: state of the art and perspectives. <i>World Journal of Microbiology and Biotechnology</i> , 2021 , 37, 43	4.4	6
55	Investigation of hierarchically porous zeolitic imidazolate frameworks for highly efficient dye removal. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126011	12.8	11
54	Ionic liquids for regulating biocatalytic process: Achievements and perspectives. <i>Biotechnology Advances</i> , 2021 , 51, 107702	17.8	11
53	Efficient Production of 1,3-Dioleoyl-2-Palmitoylglycerol through <i>Rhodococcus opacus</i> Fermentation. <i>JAOCS, Journal of the American Oil Chemist Society</i> , 2020 , 97, 851-860	1.8	2
52	Biosynthesis of Alanyl-Histidine Dipeptide Catalyzed by Papain Immobilized on Magnetic Nanocrystalline Cellulose in Deep Eutectic Solvents. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 192, 573-584	3.2	2
51	Carbon source modify lipids composition of <i>Rhodococcus opacus</i> intended for infant formula. <i>Journal of Biotechnology</i> , 2020 , 319, 8-14	3.7	6
50	Hydrolysis of corn stover pretreated by DESs with carbon-based solid acid catalyst. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	3
49	Co-immobilization of multiple enzymes by self-assembly and chemical crosslinking for cofactor regeneration and robust biocatalysis. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 445-453	7.9	12
48	Recombinant expression and characterization of a novel cold-adapted type I pullulanase for efficient amylopectin hydrolysis. <i>Journal of Biotechnology</i> , 2020 , 313, 39-47	3.7	8
47	Immobilization of Cofactor Self-Sufficient Recombinant for Enantioselective Biosynthesis of (-)-1-Phenyl-1,2-Ethanediol. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 17	5.8	2
46	Using a novel polysaccharide BM2 produced by <i>Bacillus megaterium</i> strain PL8 as an efficient biofloculant for wastewater treatment. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 374-384	7.9	14

45	Microbial synthesis of functional odd-chain fatty acids: a review. <i>World Journal of Microbiology and Biotechnology</i> , 2020 , 36, 35	4.4	17
44	Peroxidase Encapsulated in Peroxidase Mimics via in situ Assembly with Enhanced Catalytic Performance. <i>ChemCatChem</i> , 2020 , 12, 1996-1999	5.2	3
43	Improving the thermostability and activity of <i>Paenibacillus pasadenensis</i> chitinase through semi-rational design. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 9-15	7.9	15
42	Antifungal Effect of Triglycerol Monolaurate Synthesized by Lipozyme 435-Mediated Esterification. <i>Journal of Microbiology and Biotechnology</i> , 2020 , 30, 561-570	3.3	2
41	Preparation and Characterization of Oil Rich in Odd Chain Fatty Acids from <i>Rhodococcus opacus</i> PD630. <i>JAACS, Journal of the American Oil ChemiststSociety</i> , 2020 , 97, 25-33	1.8	4
40	Inhibition of <i>Cronobacter sakazakii</i> in reconstituted infant formula using triglycerol monolaurate and its effect on the sensory properties of infant formula. <i>International Journal of Food Microbiology</i> , 2020 , 320, 108518	5.8	4
39	A novel polysaccharide from the roots of <i>Millettia Speciosa</i> Champ: preparation, structural characterization and immunomodulatory activity. <i>International Journal of Biological Macromolecules</i> , 2020 , 145, 547-557	7.9	27
38	Characterization of a Novel Methylaspartate Ammonia Lyase from <i>E. coli</i> O157:H7 for Efficient Asymmetric Synthesis of Unnatural Amino Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 329-334	8.3	2
37	Highly enantioselective resolution of racemic 1-phenyl-1,2-ethanediol to (S)-1-phenyl-1,2-ethanediol by <i>Kurthia gibsonii</i> SC0312 in a biphasic system. <i>Journal of Biotechnology</i> , 2020 , 308, 21-26	3.7	7
36	Energy- and cost-effective non-sterilized fermentation of 2,3-butanediol by an engineered <i>Klebsiella pneumoniae</i> OU7 with an anti-microbial contamination system. <i>Green Chemistry</i> , 2020 , 22, 8584-8593	10	2
35	Discovery of dipeptidyl peptidase 4 inhibitory peptides from Largemouth bass (<i>Micropterus salmoides</i>) by a comprehensive approach. <i>Bioorganic Chemistry</i> , 2020 , 105, 104432	5.1	3
34	Facile and Green Production of Human Milk Fat Substitute through Fermentation. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 9368-9376	5.7	2
33	Combinatorial synthetic pathway fine-tuning and cofactor regeneration for metabolic engineering of <i>Escherichia coli</i> significantly improve production of D-glucaric acid. <i>New Biotechnology</i> , 2020 , 59, 51-58	6.4	4
32	Bioprospecting of a novel endophytic <i>Bacillus velezensis</i> FZ06 from leaves of <i>Camellia assamica</i> : Production of three groups of lipopeptides and the inhibition against food spoilage microorganisms. <i>Journal of Biotechnology</i> , 2020 , 323, 42-53	3.7	5
31	Recruiting a Phosphite Dehydrogenase/Formamidase-Driven Antimicrobial Contamination System in for Nonsterilized Fermentation of Acetoin. <i>ACS Synthetic Biology</i> , 2020 , 9, 2537-2545	5.7	6
30	Nanostructured materials as a host matrix to develop robust peroxidases-based nanobiocatalytic systems. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 1906-1923	7.9	16
29	Using 1-propanol to significantly enhance the production of valuable odd-chain fatty acids by <i>Rhodococcus opacus</i> PD630. <i>World Journal of Microbiology and Biotechnology</i> , 2019 , 35, 164	4.4	5
28	Improving biocatalysis of cefaclor with penicillin acylase immobilized on magnetic nanocrystalline cellulose in deep eutectic solvent based co-solvent. <i>Bioresource Technology</i> , 2019 , 288, 121548	11	19

27	Novel antibacterial polysaccharides produced by endophyte <i>Fusarium solani</i> DO7. <i>Bioresource Technology</i> , 2019 , 288, 121596	11	8
26	Highly efficient asymmetric reduction of 2-octanone in biphasic system by immobilized <i>Acetobacter</i> sp. CCTCC M209061 cells. <i>Journal of Biotechnology</i> , 2019 , 299, 37-43	3.7	7
25	Photosynthetic behaviors in response to intertidal zone and algal mat density in <i>Ulva lactuca</i> (Chlorophyta) along the coast of Nan'ao Island, Shantou, China. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 13346-13353	5.1	7
24	Efficient Bioconversion of Sucrose to High-Value-Added Glucaric Acid by In Vitro Metabolic Engineering. <i>ChemSusChem</i> , 2019 , 12, 2278-2285	8.3	15
23	Effects of CO ₂ supply on growth and photosynthetic ability of young sporophytes of the economic seaweed <i>Sargassum fusiforme</i> (Sargassaceae, Phaeophyta). <i>Journal of Applied Phycology</i> , 2019 , 31, 615-624	3.2	2
22	Structure and immunomodulatory activity of polysaccharides from <i>Fusarium solani</i> DO7 by solid-state fermentation. <i>International Journal of Biological Macromolecules</i> , 2019 , 137, 568-575	7.9	21
21	Metabolic engineering of a robust <i>Escherichia coli</i> strain with a dual protection system. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 3333-3348	4.9	8
20	Packaging and delivering enzymes by amorphous metal-organic frameworks. <i>Nature Communications</i> , 2019 , 10, 5165	17.4	119
19	Double-Chitinase Hydrolysis of Crab Shell Chitin Pretreated by Ionic Liquid to Generate Chito-Oligosaccharide. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 1683-1691	8.3	12
18	Synthesis and Functional Identification of Oligopeptides Derived from the B/5-Conotoxins. <i>International Journal of Peptide Research and Therapeutics</i> , 2018 , 24, 251-258	2.1	
17	The application of deep eutectic solvent on the extraction and in vitro antioxidant activity of rutin from bud. <i>Journal of Food Science and Technology</i> , 2018 , 55, 2326-2333	3.3	23
16	Biocatalytic Reduction of HMF to 2,5-Bis(hydroxymethyl)furan by HMF-Tolerant Whole Cells. <i>ChemSusChem</i> , 2017 , 10, 304-304	8.3	3
15	Highly Efficient Enzymatic Acylation of Dihydromyricetin by the Immobilized Lipase with Deep Eutectic Solvents as Cosolvent. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 2084-2088	5.7	26
14	Preparation of a Nanobiocatalyst by Efficiently Immobilizing <i>Aspergillus niger</i> Lipase onto Magnetic Metal-Biomolecule Frameworks (BioMOF). <i>ChemCatChem</i> , 2017 , 9, 1794-1800	5.2	17
13	Electrospun core-shell structured nanofilm as a novel colon-specific delivery system for protein. <i>Carbohydrate Polymers</i> , 2017 , 169, 157-166	10.3	34
12	Biocatalytic Reduction of HMF to 2,5-Bis(hydroxymethyl)furan by HMF-Tolerant Whole Cells. <i>ChemSusChem</i> , 2017 , 10, 372-378	8.3	71
11	Use of Crude Glycerol as Sole Carbon Source for Microbial Lipid Production by Oleaginous Yeasts. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 182, 495-510	3.2	23
10	Enzymatic characterization of a recombinant carbonyl reductase from sp. CCTCC M209061. <i>Bioresources and Bioprocessing</i> , 2017 , 4, 39	5.2	10

9	Effects of stocking density and decreased carbon supply on the growth and photosynthesis in the farmed seaweed, <i>Pyropia haitanensis</i> (Bangiales, Rhodophyta). <i>Journal of Applied Phycology</i> , 2017 , 29, 3057-3065	3.2	11
8	Efficient separation and purification of anthocyanins from saskatoon berry by using low transition temperature mixtures. <i>RSC Advances</i> , 2016 , 6, 104582-104590	3.7	21
7	Mechanistic insights into the effect of imidazolium ionic liquid on lipid production by. <i>Biotechnology for Biofuels</i> , 2016 , 9, 266	7.8	8
6	Biocatalytic Upgrading of 5-Hydroxymethylfurfural (HMF) with Levulinic Acid to HMF Levulinate in Biomass-Derived Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4050-4054	8.3	29
5	Engineering of a novel carbonyl reductase with coenzyme regeneration in <i>E. coli</i> for efficient biosynthesis of enantiopure chiral alcohols. <i>Journal of Biotechnology</i> , 2016 , 230, 54-62	3.7	25
4	Novel Nano-/Micro-Biocatalyst: Soybean Epoxide Hydrolase Immobilized on UiO-66-NH ₂ MOF for Efficient Biosynthesis of Enantiopure (R)-1, 2-Octanediol in Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3586-3595	8.3	119
3	Sucralose-Derived Solid Acid Catalysts Highly Selective Production of Cellulosic Hydrolysate: Source for Microbial Lipid Synthesis. <i>Waste and Biomass Valorization</i> , 1	3.2	
2	Biomimetic Mineralization of Prussian Blue Analogue-Incorporated Glucose Oxidase Hybrid Catalyst for Glucose Detection. <i>Catalysis Letters</i> , 1	2.8	0
1	A novel magnetic carbon-based solid acid catalyst suitable for efficient hydrolysis of cellulose. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	1