

Xiu-Zhen Gao

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

359
citations

840776

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794594

19
g-index

21
all docs

21
docs citations

21
times ranked

362
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution, industrial applications, and enzymatic synthesis of d-amino acids. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 3341-3349.	3.6	78
2	A Novel <i>meso</i> -Diaminopimelate Dehydrogenase from <i>Symbiobacterium thermophilum</i> : Overexpression, Characterization, and Potential for d-Amino Acid Synthesis. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8595-8600.	3.1	40
3	Biochemical characterization and substrate profiling of a new NADH-dependent enoate reductase from <i>Lactobacillus casei</i> . <i>Enzyme and Microbial Technology</i> , 2012, 51, 26-34.	3.2	30
4	Engineering the <i>meso</i> -Diaminopimelate Dehydrogenase from <i>Symbiobacterium thermophilum</i> by Site Saturation Mutagenesis for d-Phenylalanine Synthesis. <i>Applied and Environmental Microbiology</i> , 2013, 79, 5078-5081.	3.1	29
5	Dissolution and deacetylation of chitin in ionic liquid tetrabutylammonium hydroxide and its cascade reaction in enzyme treatment for chitin recycling. <i>Carbohydrate Polymers</i> , 2020, 230, 115605.	10.2	29
6	Synthesis of optically active dihydrocarveol via a stepwise or one-pot enzymatic reduction of (R)- and (S)-carvone. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 734-738.	1.8	21
7	A Newly Determined Member of the <i>meso</i> -Diaminopimelate Dehydrogenase Family with a Broad Substrate Spectrum. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	18
8	Categories and biomanufacturing methods of glucosamine. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7883-7889.	3.6	15
9	Structural Analysis Reveals the Substrate Binding Mechanism for the Expanded Substrate Specificity of Mutant <i>meso</i> -Diaminopimelate Dehydrogenase. <i>ChemBioChem</i> , 2015, 16, 924-929.	2.6	14
10	Combination of steam explosion and ionic liquid pretreatments for efficient utilization of fungal chitin from citric acid fermentation residue. <i>Biomass and Bioenergy</i> , 2021, 145, 105967.	5.7	13
11	Enzymatic hydrogenation of diverse activated alkenes. Identification of two <i>Bacillus</i> old yellow enzymes with broad substrate profiles. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 105, 118-125.	1.8	11
12	Isolation, characterisation, and genome sequencing of <i>Rhodococcus equi</i> : a novel strain producing chitin deacetylase. <i>Scientific Reports</i> , 2020, 10, 4329.	3.3	11
13	Insight into the Highly Conserved and Differentiated Cofactor-Binding Sites of <i>meso</i> -Diaminopimelate Dehydrogenase StDAPDH. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 2331-2338.	5.4	10
14	Research Progress in Anti-Inflammatory Bioactive Substances Derived from Marine Microorganisms, Sponges, Algae, and Corals. <i>Marine Drugs</i> , 2021, 19, 572.	4.6	10
15	Essential role of amino acid position 71 in substrate preference by <i>meso</i> -diaminopimelate dehydrogenase from <i>Symbiobacterium thermophilum</i> IAM14863. <i>Enzyme and Microbial Technology</i> , 2018, 111, 57-62.	3.2	8
16	Enhanced Chitin Deacetylase Production Ability of <i>Rhodococcus equi</i> CGMCC14861 by Co-culture Fermentation With <i>Staphylococcus</i> sp. MC7. <i>Frontiers in Microbiology</i> , 2020, 11, 592477.	3.5	8
17	Functional Studies on an Indel Loop between the Subtypes of <i>meso</i> -Diaminopimelate Dehydrogenase. <i>ACS Catalysis</i> , 2022, 12, 7124-7133.	11.2	7
18	Discovery and characterization of a stable lipase with preference toward long-chain fatty acids. <i>Biotechnology Letters</i> , 2020, 42, 171-180.	2.2	3

#	ARTICLE	IF	CITATIONS
19	Altered Cofactor Preference of Thermostable StDAPDH by a Single Mutation at K159. International Journal of Molecular Sciences, 2020, 21, 1788.	4.1	2
20	Application Fields, Positions, and Bioinformatic Mining of Non-active Sites: A Mini-Review. Frontiers in Chemistry, 2021, 9, 661008.	3.6	1
21	A Newly Isolated Strain <i>Lysobacter brunescens</i> YQ20 and Its Performance on Wool Waste Biodegradation. Frontiers in Microbiology, 2022, 13, 794738.	3.5	1