

Dongxu

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

260
citations

933447

10
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

214
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of a novel thermostable glucose isomerase mined from <i>Thermus oshimai</i> and its application to preparation of high fructose corn syrup. <i>Enzyme and Microbial Technology</i> , 2017, 99, 1-8.	3.2	45
2	Immobilization of recombinant <i>Escherichia coli</i> whole cells harboring xylose reductase and glucose dehydrogenase for xylitol production from xylose mother liquor. <i>Bioresource Technology</i> , 2019, 285, 121344.	9.6	31
3	Immobilization of Recombinant Glucose Isomerase for Efficient Production of High Fructose Corn Syrup. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 293-306.	2.9	27
4	Asymmetric synthesis of l-phosphinothricin using thermostable alpha-transaminase mined from <i>Citrobacter koseri</i> . <i>Journal of Biotechnology</i> , 2019, 302, 10-17.	3.8	27
5	Asymmetric biosynthesis of L-phosphinothricin by a novel transaminase from <i>Pseudomonas fluorescens</i> ZJB09-108. <i>Process Biochemistry</i> , 2019, 85, 60-67.	3.7	25
6	Whole cell immobilization of refractory glucose isomerase using tris(hydroxymethyl)phosphine as crosslinker for preparation of high fructose corn syrup at elevated temperature. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 176-182.	2.2	18
7	Creation of a robust and R-selective α -amine transaminase for the asymmetric synthesis of sitagliptin intermediate on a kilogram scale. <i>Enzyme and Microbial Technology</i> , 2020, 141, 109655.	3.2	17
8	Covalent immobilization of recombinant <i>Citrobacter koseri</i> transaminase onto epoxy resins for consecutive asymmetric synthesis of L-phosphinothricin. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1599-1607.	3.4	16
9	Properties of d-allulose 3-epimerase mined from <i>Novibacillus thermophilus</i> and its application to synthesis of d-allulose. <i>Enzyme and Microbial Technology</i> , 2021, 148, 109816.	3.2	15
10	Enabling biocatalysis in high concentration organic cosolvent by enzyme gate engineering. <i>Biotechnology and Bioengineering</i> , 2022, 119, 845-856.	3.3	11
11	Characterization of a recombinant sucrose isomerase and its application to enzymatic production of isomaltulose. <i>Biotechnology Letters</i> , 2021, 43, 261-269.	2.2	8
12	Chiral ligand-exchange high-performance liquid chromatography with copper (II)-L-phenylalanine complexes for separation of 3,4-dimethoxy- \pm -methylphenylalanine racemes. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7687-7694.	3.7	7
13	Redesign of (R)-Omega-Transaminase and Its Application for Synthesizing Amino Acids with Bulky Side Chain. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 3624-3640.	2.9	6
14	Engineering Novel (R)-Selective Transaminase for Efficient Symmetric Synthesis of <i>d</i> -Alanine. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0006222.	3.1	5
15	Tuning the catalytic performances of a sucrose isomerase for production of isomaltulose with high concentration. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2493-2501.	3.6	2