Hongzhen Luo

List of Publications by Year in descending order

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27	642	706676 14	651938 25
papers	citations	h-index	g-index

28	28	28	847
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Studies on Biological Production of Isomaltulose Using Sucrose Isomerase: Current Status and Future Perspectives. Catalysis Letters, 2021, 151, 1868-1881.	1.4	12
2	Microbial production of gamma-aminobutyric acid: applications, state-of-the-art achievements, and future perspectives. Critical Reviews in Biotechnology, 2021, 41, 491-512.	5.1	49
3	Impact of Transcriptional Regulation by Crp, FruR, FlhD, and TyrR on L-tryptophan Biosynthesis in Escherichia coli. Applied Biochemistry and Microbiology, 2021, 57, 319-326.	0.3	1
4	Lignocellulosic biomass to biobutanol: Toxic effects and response mechanism of the combined stress of lignin-derived phenolic acids and phenolic aldehydes to Clostridium acetobutylicum. Industrial Crops and Products, 2021, 170, 113722.	2.5	32
5	Prediction of phenolic compounds and glucose content from dilute inorganic acid pretreatment of lignocellulosic biomass using artificial neural network modeling. Bioresources and Bioprocessing, 2021, 8, .	2.0	14
6	Efficient bio-butanol production from lignocellulosic waste by elucidating the mechanisms of Clostridium acetobutylicum response to phenolic inhibitors. Science of the Total Environment, 2020, 710, 136399.	3.9	58
7	Significantly Enhanced Synthesis of Aromatic Esters of Arbutin Catalyzed by Immobilized Lipase in Co-solvent Systems. Frontiers in Bioengineering and Biotechnology, 2020, 8, 273.	2.0	3
8	Isolation, Identification and Antimicrobial Evaluation of Bactericides Secreting Bacillus subtilis Natto as a Biocontrol Agent. Processes, 2020, 8, 259.	1.3	9
9	Efficient production of butyric acid by Clostridium tyrobutyricum immobilized in an internal fibrous bed bioreactor (IFBB). Biochemical Engineering Journal, 2020, 157, 107552.	1.8	7
10	Improving whole-cell biocatalysis for helicid benzoylation by the addition of ionic liquids. Biochemical Engineering Journal, 2020, 161, 107695.	1.8	13
11	Catalytic Performance of a Robust Whole-Cell Biocatalyst in the Regioselective Synthesis of Helicid Esters Under Optimized Processing Conditions. Catalysis Letters, 2020, 150, 1841-1848.	1.4	4
12	Sustainable Biotransformation of Oleic Acid to 10-Hydroxystearic Acid by a Recombinant Oleate Hydratase from Lactococcus garvieae. Processes, 2019, 7, 326.	1.3	5
13	Metabolic Engineering and Fermentation Process Strategies for L-Tryptophan Production by Escherichia coli. Processes, 2019, 7, 213.	1.3	17
14	A novel and highly regioselective biocatalytic approach to acetylation of helicid by using whole-cell biocatalysts in organic solvents. Catalysis Communications, 2019, 128, 105707.	1.6	7
15	Co-production of solvents and organic acids in butanol fermentation byClostridium acetobutylicumin the presence of lignin-derived phenolics. RSC Advances, 2019, 9, 6919-6927.	1.7	22
16	Purification and characterization of a glucose-tolerant Î²-glucosidase from black plum seed and its structural changes in ionic liquids. Food Chemistry, 2019, 274, 422-428.	4.2	27
17	Recent advances and strategies in process and strain engineering for the production of butyric acid by microbial fermentation. Bioresource Technology, 2018, 253, 343-354.	4.8	95
18	Electron receptor addition enhances butanol synthesis in ABE fermentation by Clostridium acetobutylicum. Bioresource Technology, 2018, 247, 1201-1205.	4.8	21

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19	High-efficient n-butanol production by co-culturing Clostridium acetobutylicum and Saccharomyces cerevisiae integrated with butyrate fermentative supernatant addition. World Journal of Microbiology and Biotechnology, 2017, 33, 76.	1.7	39
20	Effectively enhancing acetone concentration and acetone/butanol ratio in ABE fermentation by a glucose/acetate co-substrate system incorporating with glucose limitation and C. acetobutylicum/S. cerevisiae co-culturing. Biochemical Engineering Journal, 2017, 118, 132-142.	1.8	33
21	Effect of iron(III) ion on moso bamboo pyrolysis under microwave irradiation. Bioresource Technology, 2017, 243, 755-759.	4.8	24
22	Enhancing acetone biosynthesis and acetoneâ€“butanolâ€“ethanol fermentation performance by co-culturing Clostridium acetobutylicum/Saccharomyces cerevisiae integrated with exogenous acetate addition. Bioresource Technology, 2016, 200, 111-120.	4.8	48
23	Enhancing Butanol Production under the Stress Environments of Co-Culturing Clostridium acetobutylicum/Saccharomyces cerevisiae Integrated with Exogenous Butyrate Addition. PLoS ONE, 2015, 10, e0141160.	1.1	39
24	Production of poly-Î³-glutamic acid by glutamic acid-independent Bacillus licheniformis TISTR 1010 using different feeding strategies. Biochemical Engineering Journal, 2015, 100, 67-75.	1.8	41
25	Efficient and Cost-Reduced Glucoamylase Fed-Batch Production with Alternative Carbon Sources. Journal of Microbiology and Biotechnology, 2015, 25, 185-195.	0.9	5
26	Simulation of computational fluid dynamics and comparison of cephalosporin C fermentation performance with different impeller combinations. Korean Journal of Chemical Engineering, 2013, 30, 1097-1104.	1.2	12
27	Performance improvement of cephalosporin C fermentation by Acremonium chrysogenum with DO-Stat based strategy of co-feeding soybean oil and glucose. Process Biochemistry, 2013, 48, 1822-1830.	1.8	5