

Yong Chen

List of Publications by Year in descending order

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77
papers

1,632
citations

279798

23
h-index

361022

35
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77
all docs

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docs citations

77
times ranked

2171
citing authors

#	ARTICLE	IF	CITATIONS
1	Biobutanol production in a <i>Clostridium acetobutylicum</i> biofilm reactor integrated with simultaneous product recovery by adsorption. <i>Biotechnology for Biofuels</i> , 2014, 7, 5.	6.2	74
2	Nano-Biocatalysts of Cyt <i>c</i> /i>@ZIF-8/GO Composites with High Recyclability via a de Novo Approach. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16066-16076.	8.0	74
3	Production of butanol from glucose and xylose with immobilized cells of <i>Clostridium acetobutylicum</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 234-241.	2.6	67
4	Production of liquid hydrocarbon fuels with acetoin and platform molecules derived from lignocellulose. <i>Green Chemistry</i> , 2016, 18, 2165-2174.	9.0	67
5	Enhanced butanol production by modulation of electron flow in <i>Clostridium acetobutylicum</i> B3 immobilized by surface adsorption. <i>Bioresource Technology</i> , 2013, 129, 321-328.	9.6	62
6	Enhancement of n-butanol production by in situ butanol removal using permeating "heating" gas stripping in acetone-butanol-ethanol fermentation. <i>Bioresource Technology</i> , 2014, 164, 276-284.	9.6	53
7	Economically enhanced succinic acid fermentation from cassava bagasse hydrolysate using <i>Corynebacterium glutamicum</i> immobilized in porous polyurethane filler. <i>Bioresource Technology</i> , 2014, 174, 190-197.	9.6	46
8	Effect of potassium on the pyrolysis of biomass components: Pyrolysis behaviors, product distribution and kinetic characteristics. <i>Waste Management</i> , 2021, 121, 255-264.	7.4	44
9	Continuous citric acid production in repeated-fed batch fermentation by <i>Aspergillus niger</i> immobilized on a new porous foam. <i>Journal of Biotechnology</i> , 2018, 276-277, 1-9.	3.8	42
10	Metallo-Deuteroporphyrin as a Biomimetic Catalyst for the Catalytic Oxidation of Lignin to Aromatics. <i>ChemSusChem</i> , 2015, 8, 1768-1778.	6.8	41
11	Biochemical characterization of a novel azoreductase from <i>Streptomyces</i> sp.: Application in eco-friendly decolorization of azo dye wastewater. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 1037-1046.	7.5	40
12	A mild and highly efficient laccase-mediator system for aerobic oxidation of alcohols. <i>Green Chemistry</i> , 2014, 16, 1131-1138.	9.0	39
13	Simultaneous production of butanol and acetoin by metabolically engineered <i>Clostridium acetobutylicum</i> . <i>Metabolic Engineering</i> , 2015, 27, 107-114.	7.0	38
14	Surface functionalization of graphene oxide by amino acids for <i>Thermomyces lanuginosus</i> lipase adsorption. <i>Journal of Colloid and Interface Science</i> , 2019, 546, 211-220.	9.4	38
15	Stability and repeatability improvement of horseradish peroxidase by immobilization on amino-functionalized bacterial cellulose. <i>Process Biochemistry</i> , 2019, 79, 40-48.	3.7	37
16	Involvement of glycolysis/gluconeogenesis and signaling regulatory pathways in <i>Saccharomyces cerevisiae</i> biofilms during fermentation. <i>Frontiers in Microbiology</i> , 2015, 6, 139.	3.5	36
17	Ethanol Production by Repeated Batch and Continuous Fermentations by <i>Saccharomyces cerevisiae</i> Immobilized in a Fibrous Bed Bioreactor. <i>Journal of Microbiology and Biotechnology</i> , 2013, 23, 511-517.	2.1	36
18	Isolation and characterization of plant growth-promoting rhizobacteria and their effects on the growth of <i>Medicago sativa</i> L. under salinity conditions. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1263-1278.	1.7	34

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19	D-Lactic Acid Production by <i>Sporolactobacillus inulinus</i> Y2-8 Immobilized in Fibrous Bed Bioreactor Using Corn Flour Hydrolyzate. <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 1664-1672.	2.1	30
20	Comparative transcriptomic analysis of <i>Clostridium acetobutylicum</i> biofilm and planktonic cells. <i>Journal of Biotechnology</i> , 2016, 218, 1-12.	3.8	27
21	FLO Genes Family and Transcription Factor MIG1 Regulate <i>Saccharomyces cerevisiae</i> Biofilm Formation During Immobilized Fermentation. <i>Frontiers in Microbiology</i> , 2018, 9, 1860.	3.5	26
22	Efficient nanobiocatalytic systems of nuclease P immobilized on PEG-NH ₂ modified graphene oxide: effects of interface property heterogeneity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 785-794.	5.0	25
23	A novel immobilization method for nuclease P1 on macroporous absorbent resin with glutaraldehyde cross-linking and determination of its properties. <i>Process Biochemistry</i> , 2012, 47, 665-670.	3.7	24
24	The mechanisms of citrate on regulating the distribution of carbon flux in the biosynthesis of uridine 5'-monophosphate by <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 75-81.	3.6	23
25	Effect of quorum-sensing molecule 2-phenylethanol and ARO genes on <i>Saccharomyces cerevisiae</i> biofilm. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3635-3648.	3.6	23
26	Extracellular polymer substances and the heterogeneity of <i>Clostridium acetobutylicum</i> biofilm induced tolerance to acetic acid and butanol. <i>RSC Advances</i> , 2016, 6, 33695-33704.	3.6	22
27	Efficient decolorization of citric acid fermentation broth using carbon materials prepared from phosphoric acid activation of hydrothermally treated corncob. <i>RSC Advances</i> , 2017, 7, 37112-37121.	3.6	22
28	Efficient Biofilm-Based Fermentation Strategies for L-Threonine Production by <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1773.	3.5	22
29	Towards acetone-uncoupled biofuels production in solventogenic <i>Clostridium</i> through reducing power conservation. <i>Metabolic Engineering</i> , 2018, 47, 102-112.	7.0	21
30	Co-localization of glucose oxidase and catalase enabled by a self-assembly approach: Matching between molecular dimensions and hierarchical pore sizes. <i>Food Chemistry</i> , 2019, 275, 197-205.	8.2	21
31	Recovery of lactic acid from the pretreated fermentation broth based on a novel hyper-cross-linked meso-micropore resin: Modeling. <i>Bioresource Technology</i> , 2017, 241, 593-602.	9.6	20
32	Preparation of a Copper Polyphosphate Kinase Hybrid Nanoflower and Its Application in ADP Regeneration from AMP. <i>ACS Omega</i> , 2020, 5, 9991-9998.	3.5	20
33	Immobilization of <i>Clostridium acetobutylicum</i> onto natural textiles and its fermentation properties. <i>Microbial Biotechnology</i> , 2017, 10, 502-512.	4.2	19
34	Bio-butanol sorption performance on novel porous-carbon adsorbents from corncob prepared via hydrothermal carbonization and post-pyrolysis method. <i>Scientific Reports</i> , 2017, 7, 11753.	3.3	19
35	Overexpression of THI4 and HAP4 Improves Glucose Metabolism and Ethanol Production in <i>Saccharomyces cerevisiae</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1444.	3.5	19
36	<i>Clostridium acetobutylicum</i> grows vegetatively in a biofilm rich in heteropolysaccharides and cytoplasmic proteins. <i>Biotechnology for Biofuels</i> , 2018, 11, 315.	6.2	18

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37	Nitric oxide increases biofilm formation in <i>Saccharomyces cerevisiae</i> by activating the transcriptional factor Mac1p and thereby regulating the transmembrane protein Ctr1. <i>Biotechnology for Biofuels</i> , 2019, 12, 30.	6.2	18
38	Determination of Metastable Zone Widths and the Primary Nucleation and Growth Mechanisms for the Crystallization of Disodium Guanosine 5'-Monophosphate from a Water-Ethanol System. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 137-145.	3.7	17
39	Enhancement of nuclease P1 production by <i>Penicillium citrinum</i> YL104 immobilized on activated carbon filter sponge. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1145-1153.	3.6	17
40	Affinity induced immobilization of adenylate cyclase from the crude cell lysate for ATP conversion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 155-164.	5.0	16
41	Immobilization of a polyphosphate kinase 2 by coordinative self-assembly of his-tagged units with metal-organic frameworks and its application in ATP regeneration from AMP. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 261-269.	5.0	16
42	A water-forming NADH oxidase regulates metabolism in anaerobic fermentation. <i>Biotechnology for Biofuels</i> , 2016, 9, 103.	6.2	15
43	Efficient multi-enzyme-catalyzed CDP-choline production driven by an ATP donor module. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1409-1417.	3.6	15
44	Feasibility of ethanol production from expired rice by surface immobilization technology in a new type of packed bed pilot reactor. <i>Renewable Energy</i> , 2020, 149, 321-328.	8.9	15
45	Light Signaling Regulates <i>Aspergillus niger</i> Biofilm Formation by Affecting Melanin and Extracellular Polysaccharide Biosynthesis. <i>MBio</i> , 2021, 12, .	4.1	15
46	Experimental Determination of Metastable Zone Width, Induction Period, and Primary Nucleation Kinetics of Cytidine 5'-Monophosphate Disodium Salt in an Ethanol-Aqueous Mixture. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 1244-1248.	1.9	14
47	Biofilm-based fermentation: a novel immobilisation strategy for <i>Saccharomyces cerevisiae</i> cell cycle progression during ethanol production. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 7495-7505.	3.6	14
48	Long-Term Production of Fuel Ethanol by Immobilized Yeast in Repeated-Batch Simultaneous Saccharification and Fermentation of Cassava. <i>Energy & Fuels</i> , 2015, 29, 185-190.	5.1	13
49	Efficient immobilization of AGE and NAL enzymes onto functional amino resin as recyclable and high-performance biocatalyst. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 331-340.	3.4	13
50	Calcineurin signaling pathway influences <i>Aspergillus niger</i> biofilm formation by affecting hydrophobicity and cell wall integrity. <i>Biotechnology for Biofuels</i> , 2020, 13, 54.	6.2	12
51	In Vivo Multienzyme Complex Coconstruction of N-Acetylneuraminic Acid Lyase and N-Acetylglucosamine-2-epimerase for Biosynthesis of N-Acetylneuraminic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7467-7475.	5.2	11
52	Efficient Biofilm-Based Fermentation Strategies by eDNA Formation for L-Proline Production with <i>Corynebacterium glutamicum</i> . <i>ACS Omega</i> , 2020, 5, 33314-33322.	3.5	11
53	Nonsterile L-Lysine Fermentation Using Engineered Phosphite-Grown <i>Corynebacterium glutamicum</i> . <i>ACS Omega</i> , 2021, 6, 10160-10167.	3.5	11
54	Determination of optimal conditions for ribonucleic acid production by <i>Candida tropicalis</i> no. 121. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 1721-1726.	2.7	10

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55	Synthesis, adsorption and molecular simulation study of methylamine-modified hyper-cross-linked resins for efficient removal of citric acid from aqueous solution. <i>Scientific Reports</i> , 2020, 10, 9623.	3.3	10
56	Biofilm-Related, Time-Series Transcriptome and Genome Sequencing in Xylanase-Producing <i>Aspergillus niger</i> SJ1. <i>ACS Omega</i> , 2020, 5, 19737-19746.	3.5	9
57	Enhanced adenosine triphosphate production by <i>Saccharomyces cerevisiae</i> using an efficient energy regeneration system. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 178-183.	2.7	8
58	Overexpression of a Water-Forming NADH Oxidase Improves the Metabolism and Stress Tolerance of <i>Saccharomyces cerevisiae</i> in Aerobic Fermentation. <i>Frontiers in Microbiology</i> , 2016, 7, 1427.	3.5	8
59	Comparative transcriptomic and proteomic analysis of <i>Arthrobacter</i> sp. CGMCC 3584 responding to dissolved oxygen for cAMP production. <i>Scientific Reports</i> , 2018, 8, 1246.	3.3	8
60	Application of electrodialysis to extract 5-ribonucleotides from hydrolysate: efficient decolorization and membrane fouling. <i>RSC Advances</i> , 2018, 8, 29115-29128.	3.6	7
61	Efficient preparation of phytase from genetically modified <i>Pichia pastoris</i> in immobilised fermentation biofilms adsorbed on surface-modified cotton fibres. <i>Process Biochemistry</i> , 2021, 111, 69-69.	3.7	7
62	RNA accumulation in <i>Candida tropicalis</i> based on cofactor engineering. <i>FEMS Yeast Research</i> , 2019, 19, .	2.3	6
63	Production of cyclic adenosine-3,5-monophosphate by whole cell catalysis using recombinant <i>Escherichia coli</i> overexpressing adenylate cyclase. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 913-917.	2.7	5
64	Control of glycolytic flux in directed biosynthesis of uridine-phosphoryl compounds through the manipulation of ATP availability. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 6621-6632.	3.6	5
65	Combined ion exchange and adsorption equilibria of 5-ribonucleotides on the strong acid cation exchange resin NH-1. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1678-1689.	3.2	5
66	Competitive adsorption of vanillin and syringaldehyde on a macro-mesopore polymeric resin: modeling. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 1435-1445.	3.4	5
67	Knockout of <i>pde</i> gene in <i>Arthrobacter</i> sp. CGMCC 3584 and transcriptomic analysis of its effects on cAMP production. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 839-850.	3.4	5
68	<i>Clostridium acetobutylicum</i> Biofilm: Advances in Understanding the Basis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 658568.	4.1	5
69	Redirecting metabolic flux in <i>Saccharomyces cerevisiae</i> through regulation of cofactors in UMP production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 577-583.	3.0	3
70	pH-Neutralization, Redox-Balanced Process with Coupled Formate Dehydrogenase and Glucose Dehydrogenase Supports Efficient Xylitol Production in Pure Water. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 235-241.	5.2	3
71	Feasibility Study on Long-Term Continuous Ethanol Production from Cassava Supernatant by Immobilized Yeast Cells in Packed Bed Reactor. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 1227-1234.	2.1	3
72	Model-based design of an intermittent simulated moving bed process for recovering lactic acid from ternary mixture. <i>Journal of Chromatography A</i> , 2018, 1562, 47-58.	3.7	2

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73	Cell Cycle Progression Influences Biofilm Formation in <i>Saccharomyces cerevisiae</i> 1308. <i>Microbiology Spectrum</i> , 0, , .	3.0	2
74	Screening of promoters from <i>Arthrobacter</i> sp. CGMCC 3584 using a green fluorescent protein reporter system. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 208.	3.6	1
75	Biochemical engineering in China. <i>Reviews in Chemical Engineering</i> , 2019, 35, 929-993.	4.4	1
76	Identification of a sensor histidine kinase (Bfck) controlling biofilm formation in <i>Clostridium acetobutylicum</i> . <i>Chinese Journal of Chemical Engineering</i> , 2022, 46, 84-93.	3.5	1
77	An Energy-Rich Phosphate Compound Enhances the Growth of Lettuce Through the Activation of Photosynthesis, Growth, and Induced Systemic Resistanceâ€“Related Processes. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1955-1969.	3.4	1