

N S Parachin

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,749
citations

361045

20
h-index

315357

38
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42
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42
docs citations

42
times ranked

2722
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic modelling reveals current limitations in the production of ethanol from xylose by recombinant <i>Saccharomyces cerevisiae</i> . <i>Metabolic Engineering</i> , 2011, 13, 508-517.	3.6	316
2	Comparison of Yeasts as Hosts for Recombinant Protein Production. <i>Microorganisms</i> , 2018, 6, 38.	1.6	175
3	Transcriptional Profiles of the Human Pathogenic Fungus <i>Paracoccidioides brasiliensis</i> in Mycelium and Yeast Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 24706-24714.	1.6	169
4	Expression systems for heterologous production of antimicrobial peptides. <i>Peptides</i> , 2012, 38, 446-456.	1.2	135
5	Lovastatin production: From molecular basis to industrial process optimization. <i>Biotechnology Advances</i> , 2015, 33, 648-665.	6.0	99
6	Genetic basis for hyper production of hyaluronic acid in natural and engineered microorganisms. <i>Microbial Cell Factories</i> , 2016, 15, 119.	1.9	86
7	Identification and characterization of putative xylose and cellobiose transporters in <i>Aspergillus nidulans</i> . <i>Biotechnology for Biofuels</i> , 2016, 9, 204.	6.2	76
8	A functional screen for recovery of 4-eposphopantetheinyl transferase and associated natural product biosynthesis genes from metagenome libraries. <i>Environmental Microbiology</i> , 2012, 14, 1198-1209.	1.8	50
9	Identification of common traits in improved xylose-growing <i>Saccharomyces cerevisiae</i> for inverse metabolic engineering. <i>Yeast</i> , 2008, 25, 835-847.	0.8	49
10	New edge of antibiotic development: antimicrobial peptides and corresponding resistance. <i>Frontiers in Microbiology</i> , 2014, 5, 147.	1.5	48
11	Advances in Using <i>Hansenula polymorpha</i> as Chassis for Recombinant Protein Production. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 94.	2.0	48
12	Isolation of xylose isomerases by sequence- and function-based screening from a soil metagenomic library. <i>Biotechnology for Biofuels</i> , 2011, 4, 9.	6.2	46
13	Comparative assessment of fermentative capacity of different xylose-consuming yeasts. <i>Microbial Cell Factories</i> , 2017, 16, 153.	1.9	37
14	Rhamnolipids production from sucrose by engineered <i>Saccharomyces cerevisiae</i> . <i>Scientific Reports</i> , 2018, 8, 2905.	1.6	37
15	Bioprospecting Microbial Diversity for Lignin Valorization: Dry and Wet Screening Methods. <i>Frontiers in Microbiology</i> , 2020, 11, 1081.	1.5	34
16	Xylanases from <i>Cryptococcus flavus</i> isolate I-11: Enzymatic profile, isolation and heterologous expression of CfXYN1 in <i>Saccharomyces cerevisiae</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 59, 52-57.	1.8	28
17	Utilization of glycerin byproduct derived from soybean oil biodiesel as a carbon source for heterologous protein production in <i>Pichia pastoris</i> . <i>Bioresource Technology</i> , 2014, 152, 505-510.	4.8	27
18	Novel homologous lactate transporter improves L-lactic acid production from glycerol in recombinant strains of <i>Pichia pastoris</i> . <i>Microbial Cell Factories</i> , 2016, 15, 158.	1.9	27

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19	Engineering Cofactor Preference of Ketone Reducing Biocatalysts: A Mutagenesis Study on a $\hat{1}^3$ -Diketone Reductase from the Yeast <i>Saccharomyces cerevisiae</i> Serving as an Example. <i>International Journal of Molecular Sciences</i> , 2010, 11, 1735-1758.	1.8	25
20	Production of a polar fish antimicrobial peptide in <i>Escherichia coli</i> using an ELP-intein tag. <i>Journal of Biotechnology</i> , 2016, 234, 83-89.	1.9	22
21	Production of a modified peptide clavainin in <i>Pichia pastoris</i> : cloning, expression, purification and in vitro activities. <i>AMB Express</i> , 2015, 5, 129.	1.4	21
22	Heterologous Hyaluronic Acid Production in <i>Kluyveromyces lactis</i> . <i>Microorganisms</i> , 2019, 7, 294.	1.6	20
23	Metabolic flux analysis for metabolome data validation of naturally xylose-fermenting yeasts. <i>BMC Biotechnology</i> , 2019, 19, 58.	1.7	17
24	Flotation as a tool for indirect DNA extraction from soil. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1927-1933.	1.7	16
25	Critical Aspects to be Considered Prior to Large-Scale Production of Peptides. <i>Current Protein and Peptide Science</i> , 2013, 14, 556-567.	0.7	16
26	The deletion of <i>YLR042c</i> improves ethanolic xylose fermentation by recombinant <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2010, 27, 741-751.	0.8	15
27	Yeast Pathway Kit: A Method for Metabolic Pathway Assembly with Automatically Simulated Executable Documentation. <i>ACS Synthetic Biology</i> , 2016, 5, 386-394.	1.9	15
28	Effect of Pyruvate Decarboxylase Knockout on Product Distribution Using <i>Pichia pastoris</i> (<i>Komagataella phaffii</i>) Engineered for Lactic Acid Production. <i>Bioengineering</i> , 2018, 5, 17.	1.6	15
29	Genetic strategies for improving hyaluronic acid production in recombinant bacterial culture. <i>Journal of Applied Microbiology</i> , 2022, 132, 822-840.	1.4	15
30	Evaluation of Product Distribution in Chemostat and Batch Fermentation in Lactic Acid-Producing <i>Komagataella phaffii</i> Strains Utilizing Glycerol as Substrate. <i>Microorganisms</i> , 2020, 8, 781.	1.6	14
31	Comparison of engineered <i>Saccharomyces cerevisiae</i> and engineered <i>Escherichia coli</i> for the production of an optically pure keto alcohol. <i>Applied Microbiology and Biotechnology</i> , 2009, 84, 487-497.	1.7	13
32	Sugarcane Bagasse Hydrothermal Pretreatment Liquors as Suitable Carbon Sources for Hemicellulase Production by <i>Aspergillus niger</i> . <i>Bioenergy Research</i> , 2018, 11, 316-329.	2.2	12
33	Antibiotic combinations for controlling colistin-resistant <i>Enterobacter cloacae</i> . <i>Journal of Antibiotics</i> , 2017, 70, 122-129.	1.0	8
34	Identification of a <i>Candida</i> sp. reductase behind bicyclic exo-alcohol production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 59, 286-291.	1.8	4
35	Identification and functional expression of a new xylose isomerase from the goat rumen microbiome in <i>Saccharomyces cerevisiae</i> . <i>Letters in Applied Microbiology</i> , 2022, 74, 941-948.	1.0	4
36	A Microbial Perspective on Ethanolic Lignocellulose Fermentation. , 2011, , 605-614.		3

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37	Recombinant Inga Laurina Trypsin Inhibitor (ILTI) Production in Komagataella Phaffii Confirms Its Potential Anti-Biofilm Effect and Reveals an Anti-Tumoral Activity. <i>Microorganisms</i> , 2018, 6, 37.	1.6	3
38	Evaluation of <i>Ogataea</i> (<i>Hansenula</i>) <i>polymorpha</i> for Hyaluronic Acid Production. <i>Microorganisms</i> , 2021, 9, 312.	1.6	3
39	Exploring the Brazilian diversity of <i>Aspergillus</i> sp. strains for lovastatin and itaconic acid production. <i>Fungal Genetics and Biology</i> , 2020, 138, 103367.	0.9	1
40	Challenges in co-fermentation of lignocellulose-derived sugars using baker's yeast. , 2010, , 224-245.		0
41	Deletion of the trehalose <i>tps1</i> gene in <i>Kluyveromyces lactis</i> does not impair growth in glucose. <i>FEMS Microbiology Letters</i> , 2020, 367, .	0.7	0