N S Parachin

List of Publications by Year
in descending order

41 papers	1,749 citations	361045 20 h-index	315357 38 g-index
42 all docs	42 docs citations	42 times ranked	2722 citing authors

#	Article	IF	Citations
1	Genetic strategies for improving hyaluronic acid production in recombinant bacterial culture. Journal of Applied Microbiology, 2022, 132, 822-840.	1.4	15
2	Identification and functional expression of a new xylose isomerase from the goat rumen microbiome in Saccharomyces cerevisiae. Letters in Applied Microbiology, 2022, 74, 941-948.	1.0	4
3	Evaluation of Ogataea (Hansenula) polymorpha for Hyaluronic Acid Production. Microorganisms, 2021, 9, 312.	1.6	3
4	Bioprospecting Microbial Diversity for Lignin Valorization: Dry and Wet Screening Methods. Frontiers in Microbiology, 2020, 11, 1081.	1.5	34
5	Exploring the Brazilian diversity of Aspergillus sp. strains for lovastatin and itaconic acid production. Fungal Genetics and Biology, 2020, 138, 103367.	0.9	1
6	Deletion of the trehalose tps1 gene in Kluyveromyces lactis does not impair growth in glucose. FEMS Microbiology Letters, 2020, 367, .	0.7	0
7	Evaluation of Product Distribution in Chemostat and Batch Fermentation in Lactic Acid-Producing Komagataella phaffii Strains Utilizing Glycerol as Substrate. Microorganisms, 2020, 8, 781.	1.6	14
8	Metabolic flux analysis for metabolome data validation of naturally xylose-fermenting yeasts. BMC Biotechnology, 2019, 19, 58.	1.7	17
9	Heterologous Hyaluronic Acid Production in Kluyveromyces lactis. Microorganisms, 2019, 7, 294.	1.6	20
10	Advances in Using Hansenula polymorpha as Chassis for Recombinant Protein Production. Frontiers in Bioengineering and Biotechnology, 2019, 7, 94.	2.0	48
11	Sugarcane Bagasse Hydrothermal Pretreatment Liquors as Suitable Carbon Sources for Hemicellulase Production by Aspergillus niger. Bioenergy Research, 2018, 11, 316-329.	2.2	12
12	Rhamnolipids production from sucrose by engineered Saccharomyces cerevisiae. Scientific Reports, 2018, 8, 2905.	1.6	37
13	Effect of Pyruvate Decarboxylase Knockout on Product Distribution Using Pichia pastoris (Komagataella phaffii) Engineered for Lactic Acid Production. Bioengineering, 2018, 5, 17.	1.6	15
14	Recombinant Inga Laurina Trypsin Inhibitor (ILTI) Production in Komagataella Phaffii Confirms Its Potential Anti-Biofilm Effect and Reveals an Anti-Tumoral Activity. Microorganisms, 2018, 6, 37.	1.6	3
15	Comparison of Yeasts as Hosts for Recombinant Protein Production. Microorganisms, 2018, 6, 38.	1.6	175
16	Antibiotic combinations for controlling colistin-resistant Enterobacter cloacae. Journal of Antibiotics, 2017, 70, 122-129.	1.0	8
17	Comparative assessment of fermentative capacity of different xylose-consuming yeasts. Microbial Cell Factories, 2017, 16, 153.	1.9	37
18	Identification and characterization of putative xylose and cellobiose transporters in Aspergillus nidulans. Biotechnology for Biofuels, 2016, 9, 204.	6.2	76

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19	Production of a polar fish antimicrobial peptide in Escherichia coli using an ELP-intein tag. Journal of Biotechnology, 2016, 234, 83-89.	1.9	22
20	Genetic basis for hyper production of hyaluronic acid in natural and engineered microorganisms. Microbial Cell Factories, 2016, 15, 119.	1.9	86
21	Novel homologous lactate transporter improves l-lactic acid production from glycerol in recombinant strains of Pichia pastoris. Microbial Cell Factories, 2016, 15, 158.	1.9	27
22	Yeast Pathway Kit: A Method for Metabolic Pathway Assembly with Automatically Simulated Executable Documentation. ACS Synthetic Biology, 2016, 5, 386-394.	1.9	15
23	Production of a modified peptide clavanin in Pichia pastoris: cloning, expression, purification and in vitro activities. AMB Express, 2015, 5, 129.	1.4	21
24	Lovastatin production: From molecular basis to industrial process optimization. Biotechnology Advances, 2015, 33, 648-665.	6.0	99
25	New edge of antibiotic development: antimicrobial peptides and corresponding resistance. Frontiers in Microbiology, 2014, 5, 147.	1.5	48
26	Utilization of glycerin byproduct derived from soybean oil biodiesel as a carbon source for heterologous protein production in Pichia pastoris. Bioresource Technology, 2014, 152, 505-510.	4.8	27
27	Critical Aspects to be Considered Prior to Large-Scale Production of Peptides. Current Protein and Peptide Science, 2013, 14, 556-567.	0.7	16
28	Expression systems for heterologous production of antimicrobial peptides. Peptides, 2012, 38, 446-456.	1.2	135
29	A functional screen for recovery of 4â€²â€phosphopantetheinyl transferase and associated natural product biosynthesis genes from metagenome libraries. Environmental Microbiology, 2012, 14, 1198-1209.	1.8	50
30	Kinetic modelling reveals current limitations in the production of ethanol from xylose by recombinant Saccharomyces cerevisiae. Metabolic Engineering, 2011, 13, 508-517.	3.6	316
31	Isolation of xylose isomerases by sequence- and function-based screening from a soil metagenomic library. Biotechnology for Biofuels, 2011, 4, 9.	6.2	46
32	A Microbial Perspective on Ethanolic Lignocellulose Fermentation. , 2011, , 605-614.		3
33	Flotation as a tool for indirect DNA extraction from soil. Applied Microbiology and Biotechnology, 2010, 87, 1927-1933.	1.7	16
34	The deletion of YLR042c improves ethanolic xylose fermentation by recombinant Saccharomyces cerevisiae. Yeast, 2010, 27, 741-751.	0.8	15
35	Challenges in co-fermentation of lignocellulose-derived sugars using baker's yeast. , 2010, , 224-245.		0
36	Engineering Cofactor Preference of Ketone Reducing Biocatalysts: A Mutagenesis Study on a Î³-Diketone Reductase from the Yeast Saccharomyces cerevisiae Serving as an Example. International Journal of Molecular Sciences, 2010, 11, 1735-1758.	1.8	25

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37	Identification of a Candida sp. reductase behind bicyclic exo-alcohol production. Journal of Molecular Catalysis B: Enzymatic, 2009, 59, 286-291.	1.8	4
38	Xylanases from Cryptococcus flavus isolate I-11: Enzymatic profile, isolation and heterologous expression of CfXYN1 in Saccharomyces cerevisiae. Journal of Molecular Catalysis B: Enzymatic, 2009, 59, 52-57.	1.8	28
39	Comparison of engineered Saccharomyces cerevisiae and engineered Escherichia coli for the production of an optically pure keto alcohol. Applied Microbiology and Biotechnology, 2009, 84, 487-497.	1.7	13
40	Identification of common traits in improved xyloseâ€growing Saccharomyces cerevisiae for inverse metabolic engineering. Yeast, 2008, 25, 835-847.	0.8	49
41	Transcriptional Profiles of the Human Pathogenic Fungus Paracoccidioides brasiliensis in Mycelium and Yeast Cells. Journal of Biological Chemistry, 2005, 280, 24706-24714.	1.6	169