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List of Publications by Year in descending order

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62
papers

1,966
citations

274196

21
h-index

215487

43
g-index

72
all docs

72
docs citations

72
times ranked

1930
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving Production of Malonyl Coenzyme A-Derived Metabolites by Abolishing Snf1-Dependent Regulation of Acc1. <i>MBio</i> , 2014, 5, e01130-14.	4.2	199
2	A highly efficient single-step, markerless strategy for multi-copy chromosomal integration of large biochemical pathways in <i>Saccharomyces cerevisiae</i> . <i>Metabolic Engineering</i> , 2016, 33, 19-27.	7.0	184
3	A gRNA-tRNA array for CRISPR-Cas9 based rapid multiplexed genome editing in <i>Saccharomyces cerevisiae</i> . <i>Nature Communications</i> , 2019, 10, 1053.	12.8	173
4	Improved production of fatty acid ethyl esters in <i>Saccharomyces cerevisiae</i> through up-regulation of the ethanol degradation pathway and expression of the heterologous phosphoketolase pathway. <i>Microbial Cell Factories</i> , 2014, 13, 39.	4.0	116
5	Metabolic engineering of <i>Saccharomyces cerevisiae</i> for production of fatty acid ethyl esters, an advanced biofuel, by eliminating non-essential fatty acid utilization pathways. <i>Applied Energy</i> , 2014, 115, 226-232.	10.2	101
6	Transcriptome analysis guided metabolic engineering of <i>Bacillus subtilis</i> for riboflavin production. <i>Metabolic Engineering</i> , 2009, 11, 243-252.	7.0	99
7	Functional expression and characterization of five wax ester synthases in <i>Saccharomyces cerevisiae</i> and their utility for biodiesel production. <i>Biotechnology for Biofuels</i> , 2012, 5, 7.	6.3	93
8	Metabolic Engineering of Oleaginous Yeasts for Production of Fuels and Chemicals. <i>Frontiers in Microbiology</i> , 2017, 8, 2185.	3.5	77
9	Engineering of chromosomal wax ester synthase integrated <i>Saccharomyces cerevisiae</i> mutants for improved biosynthesis of fatty acid ethyl esters. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1740-1747.	3.5	75
10	Functional expression and characterization of five wax ester synthases in <i>Saccharomyces cerevisiae</i> and their utility for biodiesel production. <i>Biotechnology for Biofuels</i> , 2012, 5, 7.	6.3	74
11	Prospects for microbial biodiesel production. <i>Biotechnology Journal</i> , 2011, 6, 277-285.	3.6	71
12	In vivo biosensors: mechanisms, development, and applications. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018, 45, 491-516.	2.9	63
13	Metabolic engineering of a synergistic pathway for n-butanol production in <i>Saccharomyces cerevisiae</i> . <i>Scientific Reports</i> , 2016, 6, 25675.	3.4	53
14	Increased production of riboflavin by metabolic engineering of the purine pathway in <i>Bacillus subtilis</i> . <i>Biochemical Engineering Journal</i> , 2009, 46, 28-33.	3.7	44
15	Development and Application of CRISPR/Cas in Microbial Biotechnology. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 711.	4.1	41
16	Metabolic pathway engineering for fatty acid ethyl ester production in <i>Saccharomyces cerevisiae</i> using stable chromosomal integration. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 477-486.	2.9	39
17	Over-expression of glucose dehydrogenase improves cell growth and riboflavin production in <i>Bacillus subtilis</i> . <i>Biotechnology Letters</i> , 2006, 28, 1667-1672.	2.2	37
18	Discovery and engineering of a 1-butanol biosensor in <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , 2017, 245, 1343-1351.	9.6	37

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19	Metabolic engineering of threonine catabolism enables <i>Saccharomyces cerevisiae</i> to produce propionate under aerobic conditions. <i>Biotechnology Journal</i> , 2022, 17, e2100579.	3.6	36
20	Yeasts as microbial cell factories for sustainable production of biofuels. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110907.	16.5	30
21	Engineering oleaginous yeast <i>Rhodotorula toruloides</i> for overproduction of fatty acid ethyl esters. <i>Biotechnology for Biofuels</i> , 2021, 14, 115.	6.3	26
22	Synthetic biology: a new frontier in food production. <i>Trends in Biotechnology</i> , 2022, 40, 781-803.	9.3	25
23	Rational design of a synthetic Entner-Doudoroff pathway for enhancing glucose transformation to isobutanol in <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018, 45, 187-199.	2.9	23
24	Improved production of fatty acids by <i>Saccharomyces cerevisiae</i> through screening a cDNA library from the oleaginous yeast <i>Yarrowia lipolytica</i> . <i>FEMS Yeast Research</i> , 2016, 16, f0v108.	2.2	22
25	Rapid and sensitive RPA-Cas12a-fluorescence assay for point-of-care detection of African swine fever virus. <i>PLoS ONE</i> , 2021, 16, e0254815.	2.5	20
26	Microbial production of chemicals driven by CRISPR-Cas systems. <i>Current Opinion in Biotechnology</i> , 2022, 73, 34-42.	6.7	19
27	CRISPR/Cas9 Systems for the Development of <i>Saccharomyces cerevisiae</i> Cell Factories. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 594347.	4.1	17
28	Ligand fishing with cellular membrane-coated cellulose filter paper: a new method for screening of potential active compounds from natural products. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1989-2000.	3.8	14
29	GTR 2.0: gRNA-tRNA Array and Cas9-NG Based Genome Disruption and Single-Nucleotide Conversion in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2021, 10, 1328-1337.	3.9	12
30	Microbial production of odd-chain fatty acids. <i>Biotechnology and Bioengineering</i> , 2023, 120, 917-931.	3.5	12
31	Transcription Factor-Based Biosensor for Dynamic Control in Yeast for Natural Product Synthesis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 635265.	4.1	11
32	Delta Integration CRISPR-Cas (Di-CRISPR) in <i>Saccharomyces cerevisiae</i> . <i>Methods in Molecular Biology</i> , 2019, 1927, 73-91.	0.7	10
33	Development and Perspective of <i>Rhodotorula toruloides</i> as an Efficient Cell Factory. <i>Journal of Agricultural and Food Chemistry</i> , 2023, 71, 1802-1819.	5.2	10
34	Deterministically Entangling Two Remote Atomic Ensembles via Light-Atom Mixed Entanglement Swapping. <i>Scientific Reports</i> , 2016, 6, 25715.	3.4	8
35	Development of Host-Orthogonal Genetic Systems for Synthetic Biology. <i>Advanced Biology</i> , 2021, 5, 2000252.	2.8	8
36	A polycistronic system for multiplexed and precalibrated expression of multigene pathways in fungi. <i>Nature Communications</i> , 2023, 14, .	12.8	8

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37	Ultra-specific nucleic acid testing by target-activated nucleases. <i>Critical Reviews in Biotechnology</i> , 2022, 42, 1061-1078.	9.2	7
38	Engineering propionyl-CoA pools for <i>de novo</i> biosynthesis of odd-chain fatty acids in microbial cell factories. <i>Critical Reviews in Biotechnology</i> , 2023, 43, 1063-1072.	9.2	7
39	CMI: CRISPR/Cas9 Based Efficient Multiplexed Integration in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2023, 12, 1408-1414.	3.9	7
40	Multiplexed CRISPR-Based Nucleic Acid Detection Using a Single Cas Protein. <i>Analytical Chemistry</i> , 2023, 95, 16089-16097.	6.6	7
41	Comparative Transcriptome Analysis for Metabolic Engineering. <i>Methods in Molecular Biology</i> , 2013, 985, 447-458.	0.7	6
42	A Longitudinal Adoption Study of Substance Use Behavior in Adolescence. <i>Twin Research and Human Genetics</i> , 2016, 19, 330-340.	0.7	6
43	Metabolic and Evolutionary Engineering of Diploid Yeast for the Production of First- and Second-Generation Ethanol. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 835928.	4.1	5
44	The Studies in Constructing Yeast Cell Factories for the Production of Fatty Acid Alkyl Esters. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 799032.	4.1	4
45	Development and expansion of the CRISPR/Cas9 toolboxes for powerful genome engineering in yeast. <i>Enzyme and Microbial Technology</i> , 2022, 159, 110056.	3.2	4
46	Development of a Bacterial FhuD-Lysozyme-SsrA Mediated Autolytic (FLSA) System for Effective Release of Intracellular Products. <i>ACS Synthetic Biology</i> , 2023, 12, 196-202.	3.9	4
47	Mining and application of constitutive promoters from <i>Rhodospiridium toruloides</i> . <i>AMB Express</i> , 2023, 13, .	3.1	4
48	Directed evolution of a wax ester synthase for production of fatty acid ethyl esters in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2023, 107, 2921-2932.	3.6	4
49	Generation of Yeast Protoplasts by Lytic Actions of Iron Oxide Magnetic Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 9012-9021.	3.7	3
50	Rapid and Visual RPA-Cas12a Fluorescence Assay for Accurate Detection of Dermatophytes in Cats and Dogs. <i>Biosensors</i> , 2022, 12, 636.	4.8	3
51	De novo bio-production of odd-chain fatty acids in <i>Saccharomyces cerevisiae</i> through a synthetic pathway via 3-hydroxypropionic acid. <i>Biotechnology and Bioengineering</i> , 2023, 120, 852-858.	3.5	2
52	Metabolic engineering of <i>Saccharomyces cerevisiae</i> for de novo production of odd-numbered medium-chain fatty acids. <i>Metabolic Engineering</i> , 2024, 82, 100-109.	7.0	1
53	Enhancing riboflavin production by genetic modification of purine pathway in <i>Bacillus subtilis</i> . <i>Journal of Biotechnology</i> , 2008, 136, S35-S36.	3.9	0
54	Quality Management Program. , 2021, , 163-165.		0

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55	Characterization of cross-species transcription and splicing from <i>Penicillium</i> to <i>Saccharomyces cerevisiae</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, 48, .	2.9	0
56	Laparoscopic posterior pelvic exenteration for clear cell adenocarcinoma arising in an episiotomy scar. <i>Asian Journal of Endoscopic Surgery</i> , 2022, , .	0.8	0
57	<i>De Novo</i> Genome Sequencing and Assembly of <i>Rhodospiridium toruloides</i> Strain "dao1e". <i>Microbiology Resource Announcements</i> , 0, , .	1.0	0
58	Exploiting a heterologous construction of the 3-hydroxypropionic acid carbon fixation pathway with mesaconate as an indicator in <i>Saccharomyces cerevisiae</i> . <i>Bioresources and Bioprocessing</i> , 2023, 10, .	4.3	0
59	Increased CO ₂ fixation enables high carbon-yield production of 3-hydroxypropionic acid in yeast. <i>Nature Communications</i> , 2024, 15, .	12.8	0
60	A CRISPR-Cas9-Mediated Large-Fragment Assembly Method for Cloning Genomes and Biosynthetic Gene Cluster. <i>Microorganisms</i> , 2024, 12, 1462.	3.6	0
61	CILF: CRISPR/Cas9 based integration of large DNA fragments in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , 0, , .	3.5	0
62	An extraction-free one-pot assay for rapid detection of <i>Klebsiella pneumoniae</i> by combining RPA and CRISPR/Cas12a. <i>Biosensors and Bioelectronics</i> , 0, 267, 116740.	10.2	0