

Jeffrey M Skerker

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,624
citations

361413

20
h-index

552781

26
g-index

38
all docs

38
docs citations

38
times ranked

2002
citing authors

#	ARTICLE	IF	CITATIONS
1	Selection of chromosomal DNA libraries using a multiplex CRISPR system. <i>ELife</i> , 2014, 3, .	6.0	314
2	<i>Rhodospiridium toruloides</i> : a new platform organism for conversion of lignocellulose into terpene biofuels and bioproducts. <i>Biotechnology for Biofuels</i> , 2017, 10, 241.	6.2	150
3	Engineering <i>Rhodospiridium toruloides</i> for increased lipid production. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1056-1066.	3.3	143
4	Indirect and suboptimal control of gene expression is widespread in bacteria. <i>Molecular Systems Biology</i> , 2013, 9, 660.	7.2	111
5	Dissecting a complex chemical stress: chemogenomic profiling of plant hydrolysates. <i>Molecular Systems Biology</i> , 2013, 9, 674.	7.2	103
6	Metabolic engineering of the oleaginous yeast <i>Rhodospiridium toruloides</i> IFO0880 for lipid overproduction during high-density fermentation. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9393-9405.	3.6	101
7	Functional genomics of lipid metabolism in the oleaginous yeast <i>Rhodospiridium toruloides</i> . <i>ELife</i> , 2018, 7, .	6.0	98
8	Towards an Informative Mutant Phenotype for Every Bacterial Gene. <i>Journal of Bacteriology</i> , 2014, 196, 3643-3655.	2.2	60
9	Monoterpene production by the carotenogenic yeast <i>Rhodospiridium toruloides</i> . <i>Microbial Cell Factories</i> , 2019, 18, 54.	4.0	59
10	Engineering <i>Kluyveromyces marxianus</i> as a Robust Synthetic Biology Platform Host. <i>MBio</i> , 2018, 9, .	4.1	58
11	A toolset of constitutive promoters for metabolic engineering of <i>Rhodospiridium toruloides</i> . <i>Microbial Cell Factories</i> , 2019, 18, 117.	4.0	50
12	Multiplexed CRISPR-Cas9-Based Genome Editing of <i>Rhodospiridium toruloides</i> . <i>MSphere</i> , 2019, 4, .	2.9	47
13	Genetic dissection of interspecific differences in yeast thermotolerance. <i>Nature Genetics</i> , 2018, 50, 1501-1504.	21.4	43
14	Further engineering of <i>R. toruloides</i> for the production of terpenes from lignocellulosic biomass. <i>Biotechnology for Biofuels</i> , 2021, 14, 101.	6.2	31
15	Metabolic engineering of a haploid strain derived from a triploid industrial yeast for producing cellulosic ethanol. <i>Metabolic Engineering</i> , 2017, 40, 176-185.	7.0	27
16	Quantitative Trait Loci (QTL)-Guided Metabolic Engineering of a Complex Trait. <i>ACS Synthetic Biology</i> , 2017, 6, 566-581.	3.8	26
17	Multi-Omics Driven Metabolic Network Reconstruction and Analysis of Lignocellulosic Carbon Utilization in <i>Rhodospiridium toruloides</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 612832.	4.1	25
18	Rapid and efficient galactose fermentation by engineered <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2016, 229, 13-21.	3.8	24

#	ARTICLE	IF	CITATIONS
19	Transposon insertional mutagenesis in <i>Saccharomyces uvarum</i> reveals <i>trans</i> -acting effects influencing species-dependent essential genes. <i>Genome Research</i> , 2019, 29, 396-406.	5.5	24
20	Complete Genome Sequence of <i>Cupriavidus basilensis</i> 4G11, Isolated from the Oak Ridge Field Research Center Site. <i>Genome Announcements</i> , 2015, 3, .	0.8	23
21	Fermentation of hydrolysate detoxified by pervaporation through block copolymer membranes. <i>Green Chemistry</i> , 2014, 16, 4206-4213.	9.0	22
22	Exploiting nonionic surfactants to enhance fatty alcohol production in <i>Rhodospiridium toruloides</i> . <i>Biotechnology and Bioengineering</i> , 2020, 117, 1418-1425.	3.3	21
23	Genomewide and Enzymatic Analysis Reveals Efficient <i>d</i> -Galacturonic Acid Metabolism in the Basidiomycete Yeast <i>Rhodospiridium toruloides</i> . <i>MSystems</i> , 2019, 4, .	3.8	20
24	Complete Genome Sequences of Four <i>Escherichia coli</i> ST95 Isolates from Bloodstream Infections. <i>Genome Announcements</i> , 2015, 3, .	0.8	18
25	Evolution, ecology and the engineered organism: lessons for synthetic biology. <i>Genome Biology</i> , 2009, 10, 114.	9.6	7
26	Barcoded reciprocal hemizyosity analysis <i>via</i> sequencing illuminates the complex genetic basis of yeast thermotolerance. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	7