

# 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	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
2	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
3	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
4	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
5	A toolset of constitutive promoters for metabolic engineering of <i>Rhodospiridium toruloides</i> . <i>Microbial Cell Factories</i> , 2019, 18, 117.	4.0	50
6	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
7	Monoterpene production by the carotenogenic yeast <i>Rhodospiridium toruloides</i> . <i>Microbial Cell Factories</i> , 2019, 18, 54.	4.0	59
8	Multiplexed CRISPR-Cas9-Based Genome Editing of <i>Rhodospiridium toruloides</i> . <i>MSphere</i> , 2019, 4, .	2.9	47
9	Genomewide and Enzymatic Analysis Reveals Efficient <i>scpD</i> -Galacturonic Acid Metabolism in the Basidiomycete Yeast <i>Rhodospiridium toruloides</i> . <i>MSystems</i> , 2019, 4, .	3.8	20
10	Engineering <i>Kluyveromyces marxianus</i> as a Robust Synthetic Biology Platform Host. <i>MBio</i> , 2018, 9, .	4.1	58
11	Genetic dissection of interspecific differences in yeast thermotolerance. <i>Nature Genetics</i> , 2018, 50, 1501-1504.	21.4	43
12	Functional genomics of lipid metabolism in the oleaginous yeast <i>Rhodospiridium toruloides</i> . <i>ELife</i> , 2018, 7, .	6.0	98
13	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
14	Quantitative Trait Loci (QTL)-Guided Metabolic Engineering of a Complex Trait. <i>ACS Synthetic Biology</i> , 2017, 6, 566-581.	3.8	26
15	<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
16	Engineering <i>Rhodospiridium toruloides</i> for increased lipid production. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1056-1066.	3.3	143
17	Rapid and efficient galactose fermentation by engineered <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2016, 229, 13-21.	3.8	24
18	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

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19	Complete Genome Sequences of Four Escherichia coli ST95 Isolates from Bloodstream Infections. <i>Genome Announcements</i> , 2015, 3, .	0.8	18
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	Towards an Informative Mutant Phenotype for Every Bacterial Gene. <i>Journal of Bacteriology</i> , 2014, 196, 3643-3655.	2.2	60
22	Fermentation of hydrolysate detoxified by pervaporation through block copolymer membranes. <i>Green Chemistry</i> , 2014, 16, 4206-4213.	9.0	22
23	Selection of chromosomal DNA libraries using a multiplex CRISPR system. <i>ELife</i> , 2014, 3, .	6.0	314
24	Dissecting a complex chemical stress: chemogenomic profiling of plant hydrolysates. <i>Molecular Systems Biology</i> , 2013, 9, 674.	7.2	103
25	Indirect and suboptimal control of gene expression is widespread in bacteria. <i>Molecular Systems Biology</i> , 2013, 9, 660.	7.2	111
26	Evolution, ecology and the engineered organism: lessons for synthetic biology. <i>Genome Biology</i> , 2009, 10, 114.	9.6	7