

# Thomas C Williams

## List of Publications by Year in descending order

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14  
papers

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citations

687363

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1058476

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times ranked

1214  
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#	ARTICLE	IF	CITATIONS
1	Recent advances in synthetic biology for engineering isoprenoid production in yeast. <i>Current Opinion in Chemical Biology</i> , 2017, 40, 47-56.	6.1	153
2	Quorum-sensing linked RNA interference for dynamic metabolic pathway control in <i>Saccharomyces cerevisiae</i> . <i>Metabolic Engineering</i> , 2015, 29, 124-134.	7.0	118
3	Blueprints for Biosensors: Design, Limitations, and Applications. <i>Genes</i> , 2018, 9, 375.	2.4	99
4	Synthetic Evolution of Metabolic Productivity Using Biosensors. <i>Trends in Biotechnology</i> , 2016, 34, 371-381.	9.3	90
5	Adaptive laboratory evolution of native methanol assimilation in <i>Saccharomyces cerevisiae</i> . <i>Nature Communications</i> , 2020, 11, 5564.	12.8	64
6	Engineered Quorum Sensing Using Pheromone-Mediated Cell-to-Cell Communication in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2013, 2, 136-149.	3.8	62
7	Evolutionary Engineering Improves Tolerance for Replacement Jet Fuels in <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 3316-3325.	3.1	44
8	Sensing the future of bio-informational engineering. <i>Nature Communications</i> , 2021, 12, 388.	12.8	43
9	The Multiplanetary Future of Plant Synthetic Biology. <i>Genes</i> , 2018, 9, 348.	2.4	31
10	Dynamic regulation of gene expression using sucrose responsive promoters and RNA interference in <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2015, 14, 43.	4.0	28
11	Photoresponsive endosomal escape enhances gene delivery using liposome-polycation-DNA (LPD) nanovectors. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5269-5281.	5.8	22
12	The <i>Saccharomyces cerevisiae</i> pheromone-response is a metabolically active stationary phase for bio-production. <i>Metabolic Engineering Communications</i> , 2016, 3, 142-152.	3.6	18
13	Microdroplet enabled cultivation of single yeast cells correlates with bulk growth and reveals subpopulation phenomena. <i>Biotechnology and Bioengineering</i> , 2021, 118, 647-658.	3.3	16
14	Seeding the idea of encapsulating a representative synthetic metagenome in a single yeast cell. <i>Nature Communications</i> , 2021, 12, 1599.	12.8	11