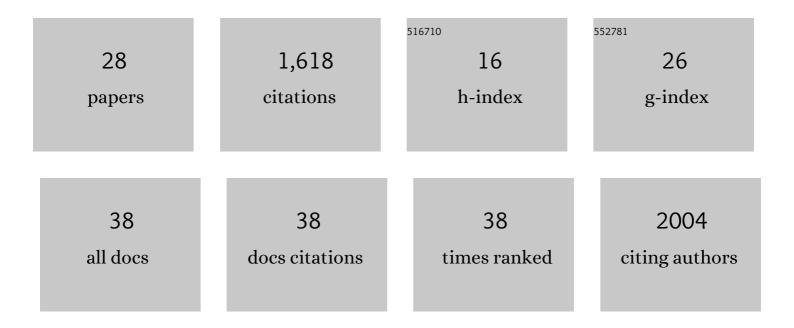
José I Jiménez

List of Publications by Year in descending order

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LOSÃO LIMÃONEZ

#	Article	IF	CITATIONS
1	Isocost Lines Describe the Cellular Economy of Genetic Circuits. Biophysical Journal, 2015, 109, 639-646.	0.5	227
2	Resource Competition Shapes the Response of Genetic Circuits. ACS Synthetic Biology, 2017, 6, 1263-1272.	3.8	207
3	Cooperation in microbial communities and their biotechnological applications. Environmental Microbiology, 2017, 19, 2949-2963.	3.8	144
4	Comprehensive experimental fitness landscape and evolutionary network for small RNA. Proceedings of the United States of America, 2013, 110, 14984-14989.	7.1	137
5	Deciphering the genetic determinants for aerobic nicotinic acid degradation: The <i>nic</i> cluster from <i>Pseudomonas putida</i> KT2440. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11329-11334.	7.1	136
6	Dynamic allocation of orthogonal ribosomes facilitates uncoupling of co-expressed genes. Nature Communications, 2018, 9, 695.	12.8	109
7	Production of selenium nanoparticles in Pseudomonas putida KT2440. Scientific Reports, 2016, 6, 37155.	3.3	96
8	Microbial Genes for a Circular and Sustainable Bio-PET Economy. Genes, 2019, 10, 373.	2.4	94
9	Inhibition of Bacterial Conjugation by Phage M13 and Its Protein g3p: Quantitative Analysis and Model. PLoS ONE, 2011, 6, e19991.	2.5	76
10	Trade-offs between gene expression, growth and phenotypic diversity in microbial populations. Current Opinion in Biotechnology, 2020, 62, 29-37.	6.6	59
11	Synthetic Tunable Amplifying Buffer Circuit in <i>E. coli</i> . ACS Synthetic Biology, 2015, 4, 577-584.	3.8	43
12	Genomic Insights in the Metabolism of Aromatic Compounds in Pseudomonas. , 2004, , 425-462.		41
13	A second chromosomal copy of the <scp><i>catA</i></scp> gene endows <scp><i>P</i></scp> <i>seudomonas putida</i> â€ <scp>mt</scp> â€2 with an enzymatic safety valve for excess of catechol. Environmental Microbiology, 2014, 16, 1767-1778.	3.8	38
14	Genome analysis of the metabolically versatile <i>Pseudomonas umsongensis</i> GO16: the genetic basis for PET monomer upcycling into polyhydroxyalkanoates. Microbial Biotechnology, 2021, 14, 2463-2480.	4.2	35
15	Genetic Drift Suppresses Bacterial Conjugation in Spatially Structured Populations. Biophysical Journal, 2014, 106, 944-954.	0.5	31
16	A quantitative method for proteome reallocation using minimal regulatory interventions. Nature Chemical Biology, 2020, 16, 1026-1033.	8.0	26
17	Engineering Translational Resource Allocation Controllers: Mechanistic Models, Design Guidelines, and Potential Biological Implementations. ACS Synthetic Biology, 2018, 7, 2485-2496.	3.8	22
18	Monitoring biodegradative enzymes with nanobodies raised in <i>Camelus dromedarius</i> with mixtures of catabolic proteins. Environmental Microbiology, 2011, 13, 960-974.	3.8	21

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#	Article	IF	CITATIONS
19	Computational analysis of fitness landscapes and evolutionary networks from in vitro evolution experiments. Methods, 2016, 106, 86-96.	3.8	10
20	Loss of a pyoverdine secondary receptor in <i>Pseudomonas aeruginosa</i> results in a fitter strain suitable for population invasion. ISME Journal, 2021, 15, 1330-1343.	9.8	10
21	A Comprehensive Review of the Current and Future Role of the Microbiome in Pancreatic Ductal Adenocarcinoma. Cancers, 2022, 14, 1020.	3.7	10
22	Phenotypic knockouts of selected metabolic pathways by targeting enzymes with camel-derived nanobodies (VHHs). Metabolic Engineering, 2015, 30, 40-48.	7.0	8
23	NanoPad: An integrated platform for bacterial production of camel nanobodies aimed at detecting environmental biomarkers. Proteomics, 2013, 13, 2766-2775.	2.2	7
24	The potential of <i>Pseudomonas</i> for bioremediation of oxyanions. Environmental Microbiology Reports, 2021, 13, 773-789.	2.4	7
25	Regulatory perturbations of ribosome allocation in bacteria reshape the growth proteome with a trade-off in adaptation capacity. IScience, 2022, 25, 103879.	4.1	7
26	Design of a translation resource allocation controller to manage cellular resource limitations * *APSD and DGB acknowledge funding from the University of Warwick and the EPSRC & BBSRC Centre for Doctoral Training in Synthetic Biology (grant EP/L016494/1). JK and JIJ acknowledge funding from the BBSRC (grant BB/M009769/1). IFAC-PapersOnLine, 2017, 50, 12653-12660.	0.9	2
27	Quantitative Analysis of Synthesized Nucleic Acid Pools. SEMA SIMAI Springer Series, 2016, , 19-41.	0.7	0
28	Applicability of Control Materials To Support Gene Promoter Characterization and Expression in Engineered Cells Using Digital PCR. Analytical Chemistry, 2022, , .	6.5	0