

# Alberto Marin-Sanguino

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1786573/publications.pdf>

Version: 2024-02-01

19  
papers

538  
citations

840776

11  
h-index

839539

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

635  
citing authors

#	ARTICLE	IF	CITATIONS
1	A blueprint of ectoine metabolism from the genome of the industrial producer <i>Halomonas elongata</i> DSM 2581 <sup>T</sup> . <i>Environmental Microbiology</i> , 2011, 13, 1973-1994.	3.8	224
2	Osmoregulation in the Halophilic Bacterium <i>Halomonas elongata</i> : A Case Study for Integrative Systems Biology. <i>PLoS ONE</i> , 2017, 12, e0168818.	2.5	49
3	Optimization of Tryptophan Production in Bacteria. Design of a Strategy for Genetic Manipulation of the Tryptophan Operon for Tryptophan Flux Maximization. <i>Biotechnology Progress</i> , 2000, 16, 133-145.	2.6	46
4	Optimization of biochemical systems through mathematical programming: Methods and applications. <i>Computers and Operations Research</i> , 2010, 37, 1427-1438.	4.0	41
5	Optimization of biotechnological systems through geometric programming. <i>Theoretical Biology and Medical Modelling</i> , 2007, 4, 38.	2.1	32
6	Optimization of biochemical systems by linear programming and general mass action model representations. <i>Mathematical Biosciences</i> , 2003, 184, 187-200.	1.9	21
7	Steady-state global optimization of metabolic non-linear dynamic models through recasting into power-law canonical models. <i>BMC Systems Biology</i> , 2011, 5, 137.	3.0	21
8	Biochemical Pathway Modeling Tools for Drug Target Detection in Cancer and Other Complex Diseases. <i>Methods in Enzymology</i> , 2011, 487, 319-369.	1.0	20
9	Chemical reaction network approaches to Biochemical Systems Theory. <i>Mathematical Biosciences</i> , 2015, 269, 135-152.	1.9	18
10	Modelling, Steady State Analysis and Optimization of the Catalytic Efficiency of the Triosephosphate Isomerase. <i>Bulletin of Mathematical Biology</i> , 2002, 64, 301-326.	1.9	13
11	Revision and reannotation of the <i>Halomonas elongata</i> DSM 2581 <sup>T</sup> genome. <i>MicrobiologyOpen</i> , 2017, 6, e00465.	3.0	13
12	Flux duality in nonlinear GMA systems: Implications for metabolic engineering. <i>Journal of Biotechnology</i> , 2010, 149, 166-172.	3.8	8
13	Adaptation to Varying Salinity in <i>Halomonas elongata</i> : Much More Than Ectoine Accumulation. <i>Frontiers in Microbiology</i> , 2022, 13, 846677.	3.5	8
14	Design Principles as a Guide for Constraint Based and Dynamic Modeling: Towards an Integrative Workflow. <i>Metabolites</i> , 2015, 5, 601-635.	2.9	7
15	Anaplerotic Pathways in <i>Halomonas elongata</i> : The Role of the Sodium Gradient. <i>Frontiers in Microbiology</i> , 2020, 11, 561800.	3.5	6
16	Time Hierarchies and Model Reduction in Canonical Non-linear Models. <i>Frontiers in Genetics</i> , 2016, 7, 166.	2.3	4
17	Understanding biochemical design principles with ensembles of canonical non-linear models. <i>PLoS ONE</i> , 2020, 15, e0230599.	2.5	4
18	Metabolic Engineering with power-law and linear-logarithmic systems. <i>Mathematical Biosciences</i> , 2009, 218, 50-58.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Editorial: Foundations of Theoretical Approaches in Systems Biology. <i>Frontiers in Genetics</i> , 2018, 9, 290.	2.3	0