Alberto Marin-Sanguino

List of Publications by Year
in descending order

19	538	840776 11	839539 18
papers	citations	h-index	g-index

23	23	23	635
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adaptation to Varying Salinity in Halomonas elongata: Much More Than Ectoine Accumulation. Frontiers in Microbiology, 2022, 13, 846677.	3.5	8
2	Anaplerotic Pathways in Halomonas elongata: The Role of the Sodium Gradient. Frontiers in Microbiology, 2020, 11, 561800.	3.5	6
3	Understanding biochemical design principles with ensembles of canonical non-linear models. PLoS ONE, 2020, 15, e0230599.	2.5	4
4	Editorial: Foundations of Theoretical Approaches in Systems Biology. Frontiers in Genetics, 2018, 9, 290.	2.3	0
5	Revision and reannotation of the Halomonas elongata DSM 2581^T genome. MicrobiologyOpen, 2017, 6, e00465.	3.0	13
6	Osmoregulation in the Halophilic Bacterium Halomonas elongata: A Case Study for Integrative Systems Biology. PLoS ONE, 2017, 12, e0168818.	2.5	49
7	Time Hierarchies and Model Reduction in Canonical Non-linear Models. Frontiers in Genetics, 2016, 7, 166.	2.3	4
8	Design Principles as a Guide for Constraint Based and Dynamic Modeling: Towards an Integrative Workflow. Metabolites, 2015, 5, 601-635.	2.9	7
9	Chemical reaction network approaches to Biochemical Systems Theory. Mathematical Biosciences, 2015, 269, 135-152.	1.9	18
10	Biochemical Pathway Modeling Tools for Drug Target Detection in Cancer and Other Complex Diseases. Methods in Enzymology, 2011, 487, 319-369.	1.0	20
11	A blueprint of ectoine metabolism from the genome of the industrial producer Halomonas elongata DSM 2581^T. Environmental Microbiology, 2011, 13, 1973-1994.	3.8	224
12	Steady-state global optimization of metabolic non-linear dynamic models through recasting into power-law canonical models. BMC Systems Biology, 2011, 5, 137.	3.0	21
13	Flux duality in nonlinear GMA systems: Implications for metabolic engineering. Journal of Biotechnology, 2010, 149, 166-172.	3.8	8
14	Optimization of biochemical systems through mathematical programming: Methods and applications. Computers and Operations Research, 2010, 37, 1427-1438.	4.0	41
15	Metabolic Engineering with power-law and linear-logarithmic systems. Mathematical Biosciences, 2009, 218, 50-58.	1.9	3
16	Optimization of biotechnological systems through geometric programming. Theoretical Biology and Medical Modelling, 2007, 4, 38.	2.1	32
17	Optimization of biochemical systems by linear programming and general mass action model representations. Mathematical Biosciences, 2003, 184, 187-200.	1.9	21
18	Modelling, Steady State Analysis and Optimization of the Catalytic Efficiency of the Triosephosphate Isomerase. Bulletin of Mathematical Biology, 2002, 64, 301-326.	1.9	13

#	Article	IF	Citations
19	Optimization of Tryptophan Production in Bacteria. Design of a Strategy for Genetic Manipulation of the Tryptophan Operon for Tryptophan Flux Maximization. Biotechnology Progress, 2000, 16, 133-145.	2.6	46