

# Robert J Flassig

## List of Publications by Year in descending order

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21  
papers

663  
citations

840776

11  
h-index

839539

18  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstruction and analysis of a carbon-core metabolic network for <i>Dunaliella salina</i> . BMC Bioinformatics, 2020, 21, 1.	2.6	379
2	Symmetry Breaking and Emergence of Directional Flows in Minimal Actomyosin Cortices. Cells, 2020, 9, 1432.	4.1	7
3	Towards Design of Self-Organizing Biomimetic Systems. Advanced Biology, 2019, 3, 1800320.	3.0	2
4	Reactor-network synthesis via flux profile analysis. Chemical Engineering Journal, 2018, 335, 1018-1030.	12.7	25
5	Quantitative single cell analysis uncovers the life/death decision in CD95 network. PLoS Computational Biology, 2018, 14, e1006368.	3.2	20
6	A guide to automated apoptosis detection: How to make sense of imaging flow cytometry data. PLoS ONE, 2018, 13, e0197208.	2.5	19
7	Optimal Reactor Design via Flux Profile Analysis for an Integrated Hydroformylation Process. Industrial & Engineering Chemistry Research, 2017, 56, 11507-11518.	3.7	18
8	Carotenoid Production Process Using Green Microalgae of the <i>Dunaliella</i> Genus: Model-Based Analysis of Interspecies Variability. Industrial & Engineering Chemistry Research, 2017, 56, 12888-12898.	3.7	4
9	Efficient simulation of intrinsic, extrinsic and external noise in biochemical systems. Bioinformatics, 2017, 33, i319-i324.	4.1	5
10	Design and Comparison of Optimal Reactor Concepts for the Hydroformylation of Olefins by Use of a Probabilistic Design Framework. Computer Aided Chemical Engineering, 2016, 38, 1365-1370.	0.5	0
11	Dynamic flux balance modeling to increase the production of high-value compounds in green microalgae. Biotechnology for Biofuels, 2016, 9, 165.	6.2	34
12	Probabilistic reactor design in the framework of elementary process functions. Computers and Chemical Engineering, 2016, 94, 45-59.	3.8	28
13	Rational selection of experimental readout and intervention sites for reducing uncertainties in computational model predictions. BMC Bioinformatics, 2015, 16, 13.	2.6	5
14	Energy and operating cost assessment of competing harvesting methods for <i>D. salina</i> in a $\beta$ -carotene production process. Algal Research, 2015, 12, 161-169.	4.6	16
15	Experimental design, validation and computational modeling uncover DNA damage sensing by DNA-PK and ATM. Molecular BioSystems, 2014, 10, 1978-1986.	2.9	7
16	A dynamic growth model of <i>Dunaliella salina</i> : Parameter identification and profile likelihood analysis. Bioresource Technology, 2014, 173, 21-31.	9.6	20
17	Reconstruction of large-scale regulatory networks based on perturbation graphs and transitive reduction: improved methods and their evaluation. BMC Systems Biology, 2013, 7, 73.	3.0	9
18	Optimal design of stimulus experiments for robust discrimination of biochemical reaction networks. Bioinformatics, 2012, 28, 3089-3096.	4.1	25

#	ARTICLE	IF	CITATIONS
19	Nonlinear Design of Stimulus Experiments for Optimal Discrimination of Biochemical Systems. Computer Aided Chemical Engineering, 2012, 31, 540-544.	0.5	0
20	TRANSWESD: inferring cellular networks with transitive reduction. Bioinformatics, 2010, 26, 2160-2168.	4.1	27
21	Knowledge Based 2D Blade Design Using Multi-Objective Aerodynamic Optimization and a Neural Network. , 2007, , 413.		13