

# Robert J Flassig

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Dynamic flux balance modeling to increase the production of high-value compounds in green microalgae. Biotechnology for Biofuels, 2016, 9, 165.	6.2	34
3	Probabilistic reactor design in the framework of elementary process functions. Computers and Chemical Engineering, 2016, 94, 45-59.	3.8	28
4	TRANSWESD: inferring cellular networks with transitive reduction. Bioinformatics, 2010, 26, 2160-2168.	4.1	27
5	Optimal design of stimulus experiments for robust discrimination of biochemical reaction networks. Bioinformatics, 2012, 28, 3089-3096.	4.1	25
6	Reactor-network synthesis via flux profile analysis. Chemical Engineering Journal, 2018, 335, 1018-1030.	12.7	25
7	A dynamic growth model of <i>Dunaliella salina</i> : Parameter identification and profile likelihood analysis. Bioresource Technology, 2014, 173, 21-31.	9.6	20
8	Quantitative single cell analysis uncovers the life/death decision in CD95 network. PLoS Computational Biology, 2018, 14, e1006368.	3.2	20
9	A guide to automated apoptosis detection: How to make sense of imaging flow cytometry data. PLoS ONE, 2018, 13, e0197208.	2.5	19
10	Optimal Reactor Design via Flux Profile Analysis for an Integrated Hydroformylation Process. Industrial & Engineering Chemistry Research, 2017, 56, 11507-11518.	3.7	18
11	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
12	Knowledge Based 2D Blade Design Using Multi-Objective Aerodynamic Optimization and a Neural Network. , 2007, , 413.		13
13	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
14	Experimental design, validation and computational modeling uncover DNA damage sensing by DNA-PK and ATM. Molecular BioSystems, 2014, 10, 1978-1986.	2.9	7
15	Symmetry Breaking and Emergence of Directional Flows in Minimal Actomyosin Cortices. Cells, 2020, 9, 1432.	4.1	7
16	Rational selection of experimental readout and intervention sites for reducing uncertainties in computational model predictions. BMC Bioinformatics, 2015, 16, 13.	2.6	5
17	Efficient simulation of intrinsic, extrinsic and external noise in biochemical systems. Bioinformatics, 2017, 33, i319-i324.	4.1	5
18	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

#	ARTICLE	IF	CITATIONS
19	Towards Design of Self-Organizing Biomimetic Systems. <i>Advanced Biology</i> , 2019, 3, 1800320.	3.0	2
20	Design and Comparison of Optimal Reactor Concepts for the Hydroformylation of Olefins by Use of a Probabilistic Design Framework. <i>Computer Aided Chemical Engineering</i> , 2016, 38, 1365-1370.	0.5	0
21	Nonlinear Design of Stimulus Experiments for Optimal Discrimination of Biochemical Systems. <i>Computer Aided Chemical Engineering</i> , 2012, 31, 540-544.	0.5	0