Jan Ewald

List of Publications by Year
in descending order

12	580	1163117 8	1199594 12
papers	citations	h-index	g-index

14	14	14	721
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Agent-based modelling of iron cycling bacteria provides a framework for testing alternative environmental conditions and modes of action. Royal Society Open Science, 2022, 9, .	2.4	2
2	Modeling the energy metabolism in immune cells. Current Opinion in Biotechnology, 2021, 68, 282-291.	6.6	15
3	Mass spectrometry-based metabolomics: a guide for annotation, quantification and best reporting practices. Nature Methods, 2021, 18, 747-756.	19.0	403
4	Dynamic optimization reveals alveolar epithelial cells as key mediators of host defense in invasive aspergillosis. PLoS Computational Biology, 2021, 17, e1009645.	3.2	7
5	Trends in mathematical modeling of hostâ€“pathogen interactions. Cellular and Molecular Life Sciences, 2020, 77, 467-480.	5.4	32
6	Modelling population dynamics in a unicellular social organism community using a minimal model and evolutionary game theory. Open Biology, 2020, 10, 200206.	3.6	11
7	Deciphering the regulation of metabolism with dynamic optimization: an overview of recent advances. Biochemical Society Transactions, 2017, 45, 1035-1043.	3.4	12
8	Modelling the hostâ€“pathogen interactions of macrophages and Candida albicans using Game Theory and dynamic optimization. Journal of the Royal Society Interface, 2017, 14, 20170095.	3.4	16
9	Optimality principles reveal a complex interplay of intermediate toxicity and kinetic efficiency in the regulation of prokaryotic metabolism. PLoS Computational Biology, 2017, 13, e1005371.	3.2	15
10	Differential transcriptional responses to Ebola and Marburg virus infection in bat and human cells. Scientific Reports, 2016, 6, 34589.	3.3	47
11	Footprints of Optimal Protein Assembly Strategies in the Operonic Structure of Prokaryotes. Metabolites, 2015, 5, 252-269.	2.9	6
12	Optimal programs of pathway control: dissecting the influence of pathway topology and feedback inhibition on pathway regulation. BMC Bioinformatics, 2015, 16, 163.	2.6	13