

Jakub Otwinowski

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

798
citations

840119

11
h-index

940134

16
g-index

22
all docs

22
docs citations

22
times ranked

1105
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of B cell repertoires and emergence of cross-reactive responses in patients with different severities of COVID-19. <i>Cell Reports</i> , 2021, 35, 109173.	2.9	46
2	Information-Geometric Optimization with Natural Selection. <i>Entropy</i> , 2020, 22, 967.	1.1	2
3	Major antigenic site B of human influenza H3N2 viruses has an evolving local fitness landscape. <i>Nature Communications</i> , 2020, 11, 1233.	5.8	40
4	Fierce Selection and Interference in B-Cell Repertoire Response to Chronic HIV-1. <i>Molecular Biology and Evolution</i> , 2019, 36, 2184-2194.	3.5	46
5	Inferring the shape of global epistasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7550-E7558.	3.3	176
6	Biophysical Inference of Epistasis and the Effects of Mutations on Protein Stability and Function. <i>Molecular Biology and Evolution</i> , 2018, 35, 2345-2354.	3.5	66
7	Host-Pathogen Coevolution and the Emergence of Broadly Neutralizing Antibodies in Chronic Infections. <i>PLoS Genetics</i> , 2016, 12, e1006171.	1.5	65
8	Detecting epistasis from an ensemble of adapting populations. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2359-2370.	1.1	16
9	Inferring fitness landscapes by regression produces biased estimates of epistasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2301-9.	3.3	75
10	Clonal interference and Muller's ratchet in spatial habitats. <i>Physical Biology</i> , 2014, 11, 056003.	0.8	22
11	Genotype to Phenotype Mapping and the Fitness Landscape of the <i>E. coli</i> lac Promoter. <i>PLoS ONE</i> , 2013, 8, e61570.	1.1	54
12	Speeding up Evolutionary Search by Small Fitness Fluctuations. <i>Journal of Statistical Physics</i> , 2011, 144, 367-378.	0.5	5
13	Accumulation of beneficial mutations in one dimension. <i>Physical Review E</i> , 2011, 84, 011925.	0.8	6
14	Direct Observation of Colloidal Aggregation by Critical Casimir Forces. <i>Physical Review Letters</i> , 2009, 103, 156101.	2.9	131
15	A totally asymmetric exclusion process with hierarchical long range connections. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P07010.	0.9	11
16	Novel techniques of laser acceleration: from structures to plasmas. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 725-740.	1.6	17
17	Dynamics of B-Cell Repertoires and Emergence of Cross-Reactive Responses in COVID-19 Patients with Different Disease Severity. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
18	Design of an optimal combination therapy with broadly neutralizing antibodies to suppress HIV-1. <i>ELife</i> , 0, 11, .	2.8	11