

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