

Olivier Rivoire

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

593
citations

759233

12
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

614
citing authors

#	ARTICLE	IF	CITATIONS
1	Parameters and determinants of responses to selection in antibody libraries. <i>PLoS Computational Biology</i> , 2021, 17, e1008751.	3.2	5
2	Roadmap on biology in time varying environments. <i>Physical Biology</i> , 2021, 18, 041502.	1.8	23
3	Sex as information processing: Optimality and evolution. <i>Physical Review E</i> , 2021, 103, 062413.	2.1	2
4	Natural Selection beyond Life? A Workshop Report. <i>Life</i> , 2021, 11, 1051.	2.4	3
5	Geometry and Flexibility of Optimal Catalysts in a Minimal Elastic Model. <i>Journal of Physical Chemistry B</i> , 2020, 124, 807-813.	2.6	7
6	Parsimonious evolutionary scenario for the origin of allostery and coevolution patterns in proteins. <i>Physical Review E</i> , 2019, 100, 032411.	2.1	22
7	A Two-Enzyme Adaptive Unit within Bacterial Folate Metabolism. <i>Cell Reports</i> , 2019, 27, 3359-3370.e7.	6.4	27
8	Universal and idiosyncratic characteristic lengths in bacterial genomes. <i>Physical Biology</i> , 2018, 15, 035001.	1.8	16
9	Transitions in optimal adaptive strategies for populations in fluctuating environments. <i>Physical Review E</i> , 2017, 96, 032412.	2.1	23
10	Informations in Models of Evolutionary Dynamics. <i>Journal of Statistical Physics</i> , 2016, 162, 1324-1352.	1.2	17
11	Diversity of immune strategies explained by adaptation to pathogen statistics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8630-8635.	7.1	95
12	Hierarchy and extremes in selections from pools of randomized proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3482-3487.	7.1	34
13	Conserved Units of Co-Expression in Bacterial Genomes: An Evolutionary Insight into Transcriptional Regulation. <i>PLoS ONE</i> , 2016, 11, e0155740.	2.5	64
14	Evolution of sparsity and modularity in a model of protein allostery. <i>Physical Review E</i> , 2015, 91, 042704.	2.1	29
15	A model for the generation and transmission of variations in evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1940-9.	7.1	80
16	The Value of Information for Populations in Varying Environments. <i>Journal of Statistical Physics</i> , 2011, 142, 1124-1166.	1.2	146