Olivier Rivoire

List of Publications by Year
in descending order

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