

Michele Castellana

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

14 papers	375 citations	7 h-index	14 g-index
14 ext. papers	443 ext. citations	7.7 avg, IF	3.27 L-index

#	Paper	IF	Citations
14	Enzyme clustering accelerates processing of intermediates through metabolic channeling. <i>Nature Biotechnology</i> , 2014 , 32, 1011-8	44.5	248
13	Hierarchical random energy model of a spin glass. <i>Physical Review Letters</i> , 2010 , 104, 127206	7.4	39
12	Spatial organization of bacterial transcription and translation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9286-91	11.5	24
11	Renormalization-group computation of the critical exponents of hierarchical spin glasses: large-scale behavior and divergence of the correlation length. <i>Physical Review E</i> , 2011 , 83, 041134	2.4	18
10	Inverse spin glass and related maximum entropy problems. <i>Physical Review Letters</i> , 2014 , 113, 117204	7.4	10
9	Free-Energy Bounds for Hierarchical Spin Models. <i>Journal of Statistical Physics</i> , 2014 , 155, 211-222	1.5	9
8	Hierarchical spin glasses in a magnetic field: A renormalization-group study. <i>Physical Review B</i> , 2015 , 91,	3.3	7
7	Extreme value statistics distributions in spin glasses. <i>Physical Review Letters</i> , 2011 , 107, 275701	7.4	7
6	Non-perturbative effects in spin glasses. <i>Scientific Reports</i> , 2015 , 5, 8697	4.9	4
5	Adversarial satisfiability problem. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011 , 2011, P03023	1.9	4
4	A statistical inference approach to reconstruct intercellular interactions in cell migration experiments. <i>Science Advances</i> , 2020 , 6, eaay2103	14.3	3
3	Real-space renormalization-group methods for hierarchical spin glasses. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019 , 52, 445002	2	2
2	Reply to comment on Real-space renormalization-group methods for hierarchical spin glasses. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020 , 53, 418002	2	
1	Two timescales control the creation of large protein aggregates in cells. <i>Biophysical Journal</i> , 2021 , 120, 2394-2399	2.9	