Michele Castellana

List of Publications by Year in Descending Order

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