Daniele Tantari

List of Publications by Citations

29 papers	**458** citations	**12** h-index	**21** g-index
30 ext. papers	**498** ext. citations	**2.6** avg, IF	**3.99** L-index

#	Paper	IF	Citations
29	Phase diagram of restricted Boltzmann machines and generalized Hopfield networks with arbitrary priors. *Physical Review E*, **2018**, 97, 022310	2.4	45
28	Extensive parallel processing on scale-free networks. *Physical Review Letters*, **2014**, 113, 238106	7.4	42
27	Retrieval capabilities of hierarchical networks: from Dyson to Hopfield. *Physical Review Letters*, **2015**, 114, 028103	7.4	40
26	Immune networks: multitasking capabilities near saturation. *Journal of Physics A: Mathematical and Theoretical*, **2013**, 46, 415003	2	38
25	Multi-Species Mean Field Spin Glasses. Rigorous Results. *Annales Henri Poincare*, **2015**, 16, 691-708	1.2	36
24	Phase transitions in restricted Boltzmann machines with generic priors. *Physical Review E*, **2017**, 96, 042156	2.4	33
23	How glassy are neural networks?. *Journal of Statistical Mechanics: Theory and Experiment*, **2012**, 2012, P07009	1.9	25
22	Anergy in self-directed B lymphocytes: A statistical mechanics perspective. *Journal of Theoretical Biology*, **2015**, 375, 21-31	2.3	24
21	Mean field spin glasses treated with PDE techniques. *European Physical Journal B*, **2013**, 86, 1	1.2	19
20	Mean field bipartite spin models treated with mechanical techniques. *European Physical Journal B*, **2014**, 87, 1	1.2	17
19	Hierarchical neural networks perform both serial and parallel processing. *Neural Networks*, **2015**, 66, 22-35	9.1	15
18	About a solvable mean field model of a Gaussian spin glass. *Journal of Physics A: Mathematical and Theoretical*, **2014**, 47, 155002	2	13
17	Centrality metrics and localization in core-periphery networks. *Journal of Statistical Mechanics: Theory and Experiment*, **2016**, 2016, 023401	1.9	12
16	Non-convex Multi-species Hopfield Models. *Journal of Statistical Physics*, **2018**, 172, 1247-1269	1.5	12
15	Neural Networks Retrieving Boolean Patterns in a Sea of Gaussian Ones. *Journal of Statistical Physics*, **2017**, 168, 1085-1104	1.5	12
14	Metastable states in the hierarchical Dyson model drive parallel processing in the hierarchical Hopfield network. *Journal of Physics A: Mathematical and Theoretical*, **2015**, 48, 015001	2	11
13	Legendre Duality of Spherical and Gaussian Spin Glasses. *Mathematical Physics Analysis and Geometry*, **2015**, 18, 1	0.8	8

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12	Topological properties of hierarchical networks. *Physical Review E*, **2015**, 91, 062807	2.4	8
11	Retrieving infinite numbers of patterns in a spin-glass model of immune networks. *Europhysics Letters*, **2017**, 117, 28003	1.6	7
10	Unveiling the relation between herding and liquidity with trader lead-lag networks. *Quantitative Finance*, **2020**, 20, 1765-1778	1.6	7
9	Legendre equivalences of spherical Boltzmann machines. *Journal of Physics A: Mathematical and Theoretical*, **2020**, 53, 094001	2	6
8	Non-Convex Multipartite Ferromagnets. *Journal of Statistical Physics*, **2016**, 163, 492-513	1.5	6
7	Disentangling group and link persistence in dynamic stochastic block models. *Journal of Statistical Mechanics: Theory and Experiment*, **2018**, 2018, 123407	1.9	6
6	High storage capacity in the Hopfield model with auto-interactions—Stability analysis. *Journal of Physics A: Mathematical and Theoretical*, **2017**, 50, 465001	2	5
5	Emerging Heterogeneities in Italian Customs and Comparison with Nearby Countries. *PLoS ONE*, **2015**, 10, e0144643	3.7	5
4	Assessing the role of migration as trade-facilitator using the statistical mechanics of cooperative systems. *Palgrave Communications*, **2016**, 2,	5.3	3
3	Overlap Synchronisation in Multipartite Random Energy Models. *Journal of Statistical Physics*, **2017**, 169, 1162-1170	1.5	2
2	Inverse problems for structured datasets using parallel TAP equations and restricted Boltzmann machines. *Scientific Reports*, **2021**, 11, 19990	4.9	1
1	Ferromagnetic Models for Cooperative Behavior: Revisiting Universality in Complex Phenomena. *Springer INdAM Series*, **2014**, 73-86	0.4	