Alberto Fachechi

List of Publications by Year in Descending Order

19 papers	145 citations	7 h-index	11 g-index
20 ext. papers	189 ext. citations	4.1 avg, IF	3.56 L-index

#	Paper	IF	Citations
19	PDE/Statistical Mechanics Duality: Relation Between Guerra's Interpolated p-Spin Ferromagnets and the Burgers Hierarchy. *Journal of Statistical Physics*, **2021**, 183, 1	1.5	1
18	Detecting cardiac pathologies via machine learning on heart-rate variability time series and related markers. *Scientific Reports*, **2020**, 10, 8845	4.9	17
17	Neural Networks with a Redundant Representation: Detecting the Undetectable. *Physical Review Letters*, **2020**, 124, 028301	7.4	10
16	Interpolating between boolean and extremely high noisy patterns through minimal dense associative memories. *Journal of Physics A: Mathematical and Theoretical*, **2020**, 53, 074001	2	3
15	The relativistic Hopfield model with correlated patterns. *Journal of Mathematical Physics*, **2020**, 61, 123301	1.1	2
14	Generalized Guerra's interpolation schemes for dense associative neural networks. *Neural Networks*, **2020**, 128, 254-267	9.1	11
13	Analysis of temporal correlation in heart rate variability through maximum entropy principle in a minimal pairwise glassy model. *Scientific Reports*, **2020**, 10, 15353	4.9	0
12	Dreaming neural networks: rigorous results. *Journal of Statistical Mechanics: Theory and Experiment*, **2019**, 2019, 083503	1.9	6
11	Dreaming neural networks: Forgetting spurious memories and reinforcing pure ones. *Neural Networks*, **2019**, 112, 24-40	9.1	24
10	On the Marchenko-Pastur law in analog bipartite spin-glasses. *Journal of Physics A: Mathematical and Theoretical*, **2019**, 52, 254002	2	2
9	An evolutionary game model for behavioral gambit of loyalists: Global awareness and risk-aversion. *Europhysics Letters*, **2018**, 121, 38001	1.6	0
8	A new mechanical approach to handle generalized Hopfield neural networks. *Neural Networks*, **2018**, 106, 205-222	9.1	19
7	Chiral Trace Relations in (mathcal{N}=2^*) Supersymmetric Gauge Theories. *Theoretical and Mathematical Physics(Russian Federation)*, **2018**, 196, 1282-1293	0.7	0
6	Reactive immunization on complex networks. *Europhysics Letters*, **2017**, 117, 18002	1.6	7
5	Chiral trace relations in Ω-deformed (mathcal{N}=2) theories. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	4
4	Exact partition functions for deformed (mathcal{N}=2) theories with ({mathcal{N}}_f=4) flavours. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	4
3	On the cusp anomalous dimension in the ladder limit of (mathcal{N}=4) SYM. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	

List of Publications

2   Virasoro vacuum block at next-to-leading order in the heavy-light limit. *Journal of High Energy Physics*, **2016**, 2016, 1   5.4   32

1   A transport equation approach for deep neural networks with quenched random weights. *Journal of Physics A: Mathematical and Theoretical*,   2   3