

Pierluigi Contucci

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4108657/pierluigi-contucci-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

84
papers

774
citations

15
h-index

23
g-index

90
ext. papers

841
ext. citations

2.3
avg, IF

4.36
L-index

#	Paper	IF	Citations
84	Human-AI ecosystem with abrupt changes as a function of the composition. <i>PLoS ONE</i> , 2022 , 17, e0267319	3.9	10
83	Stationarization and Multithermalization in spin glasses. <i>SciPost Physics</i> , 2021 , 10,	6.1	2
82	Deep Boltzmann Machines: Rigorous Results at Arbitrary Depth. <i>Annales Henri Poincare</i> , 2021 , 22, 2619-2642	2.6	8
81	The Solution of the Deep Boltzmann Machine on the Nishimori Line. <i>Communications in Mathematical Physics</i> , 2021 , 387, 1191-1214	2	4
80	The Multi-species Mean-Field Spin-Glass on the Nishimori Line. <i>Journal of Statistical Physics</i> , 2021 , 182, 1	1.5	3
79	Annealing and Replica-Symmetry in Deep Boltzmann Machines. <i>Journal of Statistical Physics</i> , 2020 , 180, 665-677	1.5	13
78	On a Statistical Mechanics Approach to Some Problems of the Social Sciences. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	1
77	Finite-size corrections for the attractive mean-field monomer-dimer model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019 , 52, 105001	2	4
76	A Multi-scale Spin-Glass Mean-Field Model. <i>Communications in Mathematical Physics</i> , 2019 , 368, 1323-1344	2.6	4
75	Equilibrium and dynamics of a multi-bath Sherrington-Kirkpatrick model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019 , 52, 324001	2	4
74	Mean-Field Monomer-Dimer Models. A Review. <i>Springer Proceedings in Mathematics and Statistics</i> , 2019 , 39-62	0.2	1
73	Egalitarianism vs. Utilitarianism in Preferential Voting. <i>Lecture Notes in Computer Science</i> , 2019 , 24-37	0.9	1
72	Social interaction effects on immigrant integration. <i>Palgrave Communications</i> , 2018 , 4,	5.3	5
71	Aggregation models on hypergraphs. <i>Annals of Physics</i> , 2017 , 376, 412-424	2.5	4
70	Inverse problem for the mean-field monomer-dimer model with attractive interaction. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017 , 50, 205002	2	3
69	Forecasting the integration of immigrants. <i>Journal of Mathematical Sociology</i> , 2017 , 41, 127-137	1.2	2
68	Egalitarianism in the rank aggregation problem: a new dimension for democracy. <i>Quality and Quantity</i> , 2016 , 50, 1185-1200	2.4	5

67	Non-Gaussian fluctuations in monomer-dimer models. <i>Europhysics Letters</i> , 2016 , 114, 10006	1.6	3
66	Limit Theorems for Monomer-Dimer Mean-Field Models with Attractive Potential. <i>Communications in Mathematical Physics</i> , 2016 , 346, 781-799	2	5
65	The lack of probability culture in Italy. Toward an international comparative research program. <i>Quality and Quantity</i> , 2015 , 49, 2325-2330	2.4	
64	Multi-Species Mean Field Spin Glasses. Rigorous Results. <i>Annales Henri Poincare</i> , 2015 , 16, 691-708	1.2	36
63	A Mean-Field Monomer-Dimer Model with Randomness: Exact Solution and Rigorous Results. <i>Journal of Statistical Physics</i> , 2015 , 160, 1721-1732	1.5	8
62	Enhancing participation to health screening campaigns by group interactions. <i>Scientific Reports</i> , 2015 , 5, 9904	4.9	11
61	Solution of the Monomer-Dimer Model on Locally Tree-Like Graphs. Rigorous Results. <i>Communications in Mathematical Physics</i> , 2014 , 331, 975-1003	2	11
60	An analysis of a large dataset on immigrant integration in Spain. The statistical mechanics perspective on social action. <i>Scientific Reports</i> , 2014 , 4, 4174	4.9	29
59	A stochastic approach for quantifying immigrant integration: the Spanish test case. <i>New Journal of Physics</i> , 2014 , 16, 103034	2.9	12
58	The exact solution of a mean-field monomer-dimer model with attractive potential. <i>Europhysics Letters</i> , 2014 , 106, 10001	1.6	8
57	Factorization Properties in d-Dimensional Spin Glasses. Rigorous Results and Some Perspectives. <i>Journal of Statistical Physics</i> , 2013 , 151, 809-829	1.5	6
56	Inverse problem robustness for multi-species mean-field spin models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013 , 46, 065001	2	12
55	Antiferromagnetic Potts Model on the Erdős-Rényi Random Graph. <i>Communications in Mathematical Physics</i> , 2013 , 323, 517-554	2	10
54	Dmitry Panchenko: The Sherrington-Kirkpatrick Model. <i>Journal of Statistical Physics</i> , 2013 , 153, 551-552	1.5	
53	Interaction flip identities for non-centered spin glasses. <i>Journal of Mathematical Physics</i> , 2013 , 54, 073301	1.2	
52	Complexity and Interaction: Blurring Borders between Physical, Computational, and Social Systems. <i>Lecture Notes in Computer Science</i> , 2013 , 1-10	0.9	8
51	On the equivalence of Hopfield networks and Boltzmann Machines. <i>Neural Networks</i> , 2012 , 34, 1-9	9.1	74
50	Perspectives on Spin Glasses 2012 ,		15

49	Interface Energy in the Edwards-Anderson Model. <i>Journal of Statistical Physics</i> , 2011 , 142, 1-10	1.5	2
48	Scaling Limits for Multi-species Statistical Mechanics Mean-Field Models. <i>Journal of Statistical Physics</i> , 2011 , 144, 1186-1205	1.5	20
47	Stability of the spin glass phase under perturbations. <i>Europhysics Letters</i> , 2011 , 96, 17003	1.6	6
46	Correlation inequalities for quantum spin systems with quenched centered disorder. <i>Journal of Mathematical Physics</i> , 2010 , 51, 023302	1.2	11
45	Toward a quantitative approach to migrants integration. <i>Europhysics Letters</i> , 2010 , 89, 68001	1.6	17
44	Stochastic Stability: A Review and Some Perspectives. <i>Journal of Statistical Physics</i> , 2010 , 138, 543-550	1.5	8
43	A Diffusive Strategic Dynamics for Social Systems. <i>Journal of Statistical Physics</i> , 2010 , 139, 478-491	1.5	7
42	Equilibria of Culture Contact Derived from In-Group and Out-Group Attitudes 2010 , 81-88		
41	Tackling Climate Change Through Energy Efficiency: Mathematical Models to Offer Evidence-Based Recommendations for Public Policy 2010 , 131-146		
40	New perspectives in the equilibrium statistical mechanics approach to social and economic sciences 2010 , 137-174		3
39	PARAMETER EVALUATION OF A SIMPLE MEAN-FIELD MODEL OF SOCIAL INTERACTION. <i>Mathematical Models and Methods in Applied Sciences</i> , 2009 , 19, 1427-1439	3.5	36
38	Dilution robustness for mean field ferromagnets. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009 , 2009, P03028	1.9	3
37	Thermodynamic Limit for Spin Glasses. Beyond the Annealed Bound. <i>Journal of Statistical Physics</i> , 2009 , 135, 1159-1166	1.5	1
36	Interaction-Flip Identities in Spin Glasses. <i>Journal of Statistical Physics</i> , 2009 , 135, 1181-1203	1.5	4
35	Structure of correlations in three dimensional spin glasses. <i>Physical Review Letters</i> , 2009 , 103, 017201	7.4	9
34	Spin Glass Identities and the Nishimori Line 2009 , 103-121		3
33	Introduction to Special Issue: Statistical Mechanics on Random Structures. <i>Journal of Mathematical Physics</i> , 2008 , 49, 125101	1.2	
32	PHASE TRANSITIONS IN SOCIAL SCIENCES: TWO-POPULATION MEAN FIELD THEORY. <i>International Journal of Modern Physics B</i> , 2008 , 22, 2199-2212	1.1	21

31	Lack of monotonicity in spin glass correlation functions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008 , 41, 385001	2	3
30	Contucci et al. Reply:. <i>Physical Review Letters</i> , 2008 , 100,	7.4	2
29	Correlation Inequalities for Spin Glasses. <i>Annales Henri Poincare</i> , 2007 , 8, 1461-1467	1.2	13
28	Modeling society with statistical mechanics: an application to cultural contact and immigration. <i>Quality and Quantity</i> , 2007 , 41, 569-578	2.4	41
27	The Ghirlanda-Guerra Identities. <i>Journal of Statistical Physics</i> , 2007 , 126, 917-931	1.5	28
26	Ultrametricity in the Edwards-Anderson model. <i>Physical Review Letters</i> , 2007 , 99, 057206	7.4	30
25	Overlap equivalence in the Edwards-Anderson model. <i>Physical Review Letters</i> , 2006 , 96, 217204	7.4	19
24	Surface Terms on the Nishimori Line of the Gaussian Edwards-Anderson Model. <i>Journal of Statistical Physics</i> , 2006 , 122, 303-312	1.5	7
23	Spin-Glass Stochastic Stability: a Rigorous Proof. <i>Annales Henri Poincare</i> , 2005 , 6, 915-923	1.2	41
22	Interpolating greedy and reluctant algorithms. <i>Optimization Methods and Software</i> , 2005 , 20, 509-514	1.3	1
21	Factorization properties in the three-dimensional Edwards-Anderson model. <i>Physical Review B</i> , 2005 , 72,	3.3	6
20	FINDING MINIMA IN COMPLEX LANDSCAPES: ANNEALED, GREEDY AND RELUCTANT ALGORITHMS. <i>Mathematical Models and Methods in Applied Sciences</i> , 2005 , 15, 1349-1369	3.5	2
19	Griffiths Inequalities in the Nishimori Line. <i>Progress of Theoretical Physics Supplement</i> , 2005 , 157, 73-76		3
18	Griffiths inequalities for the Gaussian spin glass. <i>Journal of Physics A</i> , 2004 , 37, L203-L209		12
17	THE THERMODYNAMIC LIMIT FOR FINITE DIMENSIONAL CLASSICAL AND QUANTUM DISORDERED SYSTEMS. <i>Reviews in Mathematical Physics</i> , 2004 , 16, 629-637	1.2	7
16	CONVEX REPLICAS SYMMETRY BREAKING FROM POSITIVITY AND THERMODYNAMIC LIMIT. <i>International Journal of Modern Physics B</i> , 2004 , 18, 585-591	1.1	2
15	Monotonicity and Thermodynamic Limit for Short Range Disordered Models. <i>Journal of Statistical Physics</i> , 2004 , 115, 581-589	1.5	11
14	Stochastically Stable Quenched Measures. <i>Journal of Statistical Physics</i> , 2004 , 117, 831-844	1.5	3

13	On the Surface Pressure for the Edwards-Anderson Model. <i>Communications in Mathematical Physics</i> , 2004 , 248, 207-216	2	6
12	Replica equivalence in the Edwards-Anderson model. <i>Journal of Physics A</i> , 2003 , 36, 10961-10966		15
11	Thermodynamical Limit for Correlated Gaussian Random Energy Models. <i>Communications in Mathematical Physics</i> , 2003 , 236, 55-63	2	16
10	Mean Field Behaviour of Spin Systems with Orthogonal Interaction Matrix. <i>Journal of Statistical Physics</i> , 2002 , 106, 895-914	1.5	3
9	Ferromagnetic Heisenberg XXZ chain in a pinning field. <i>Physical Review B</i> , 2002 , 66,	3.3	3
8	Finite-Volume Excitations of the \mathbb{Z}_2 Interface in the Quantum XXZ Model. <i>Communications in Mathematical Physics</i> , 2000 , 212, 63-91	2	11
7	PATH INTEGRAL REPRESENTATION FOR INTERFACE STATES OF THE ANISOTROPIC HEISENBERG MODEL. <i>Reviews in Mathematical Physics</i> , 2000 , 12, 1325-1344	1.2	11
6	A Fully Magnetizing Phase Transition. <i>Journal of Statistical Physics</i> , 1999 , 97, 523-539	1.5	4
5	Polynomial invariants for trees a statistical mechanics approach. <i>Discrete Applied Mathematics</i> , 1998 , 81, 225-237	1	1
4	The low activity phase of some Dirichlet series. <i>Journal of Mathematical Physics</i> , 1996 , 37, 5458-5475	1.2	7
3	An analyticity bound for two-dimensional Ising model at low temperature. <i>Journal of Statistical Physics</i> , 1996 , 82, 1647-1657	1.5	1
2	On the strict inequality between quenched and annealed Ising spin glass. <i>Letters in Mathematical Physics</i> , 1993 , 27, 143-147	1.2	1
1	How integrated are immigrants?. <i>Demographic Research</i> , 33 , 1271-1280	1	4