

Marta Sales-Pardo

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

5,072
citations

159525

30
h-index

102432

66
g-index

68
all docs

68
docs citations

68
times ranked

6194
citing authors

#	ARTICLE	IF	CITATIONS
1	Node Metadata Can Produce Predictability Crossovers in Network Inference Problems. <i>Physical Review X</i> , 2022, 12, .	2.8	7
2	Gene regulatory network inference in long-lived <i>C.Âlegans</i> reveals modular properties that are predictive of novel aging genes. <i>IScience</i> , 2022, 25, 103663.	1.9	4
3	Automatic modeling of socioeconomic drivers of energy consumption and pollution using Bayesian symbolic regression. <i>Sustainable Production and Consumption</i> , 2022, 30, 596-607.	5.7	10
4	Complex decision-making strategies in a stock market experiment explained as the combination of few simple strategies. <i>EPJ Data Science</i> , 2021, 10, .	1.5	5
5	Bayesian Machine Scientist to Compare Data Collapses for the Nikuradse Dataset. <i>Physical Review Letters</i> , 2020, 124, 084503.	2.9	3
6	Reducing global environmental inequality: Determining regional quotas for environmental burdens through systems optimisation. <i>Journal of Cleaner Production</i> , 2020, 270, 121828.	4.6	16
7	A Bayesian machine scientist to aid in the solution of challenging scientific problems. <i>Science Advances</i> , 2020, 6, eaav6971.	4.7	64
8	Community assessment to advance computational prediction of cancer drug combinations in a pharmacogenomic screen. <i>Nature Communications</i> , 2019, 10, 2674.	5.8	240
9	Network-Based Models for Social Recommender Systems. , 2019, , 491-512.		0
10	CliqueMS: a computational tool for annotating in-source metabolite ions from LC-MS untargeted metabolomics data based on a coelution similarity network. <i>Bioinformatics</i> , 2019, 35, 4089-4097.	1.8	57
11	Tensorial and bipartite block models for link prediction in layered networks and temporal networks. <i>Physical Review E</i> , 2019, 99, 032307.	0.8	18
12	Optimal prediction of decisions and model selection in social dilemmas using block models. <i>EPJ Data Science</i> , 2018, 7, .	1.5	10
13	Regulation of cell cycle progression by cellâ€“cell and cellâ€“matrix forces. <i>Nature Cell Biology</i> , 2018, 20, 646-654.	4.6	136
14	Consistencies and inconsistencies between model selection and link prediction in networks. <i>Physical Review E</i> , 2018, 97, 062316.	0.8	41
15	iMet: A Network-Based Computational Tool To Assist in the Annotation of Metabolites from Tandem Mass Spectra. <i>Analytical Chemistry</i> , 2017, 89, 3474-3482.	3.2	46
16	The importance of being modular. <i>Science</i> , 2017, 357, 128-129.	6.0	23
17	Bone Fusion in Normal and Pathological Development is Constrained by the Network Architecture of the Human Skull. <i>Scientific Reports</i> , 2017, 7, 3376.	1.6	8
18	Leader evaluation and team cohesiveness in the process of team development: A matter of gender?. <i>PLoS ONE</i> , 2017, 12, e0186045.	1.1	14

#	ARTICLE	IF	CITATIONS
19	Differences in Collaboration Patterns across Discipline, Career Stage, and Gender. PLoS Biology, 2016, 14, e1002573.	2.6	100
20	Accurate and scalable social recommendation using mixed-membership stochastic block models. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14207-14212.	3.3	35
21	Multilayer Stochastic Block Models Reveal the Multilayer Structure of Complex Networks. Physical Review X, 2016, 6, .	2.8	58
22	Inferring propagation paths for sparsely observed perturbations on complex networks. Science Advances, 2016, 2, e1501638.	4.7	7
23	Long-Term Evolution of Email Networks: Statistical Regularities, Predictability and Stability of Social Behaviors. PLoS ONE, 2016, 11, e0146113.	1.1	12
24	A comprehensive study on different modelling approaches to predict platelet deposition rates in a perfusion chamber. Scientific Reports, 2015, 5, 13606.	1.6	3
25	The acute impact of polyphenols from Hibiscus sabdariffa in metabolic homeostasis: an approach combining metabolomics and gene-expression analyses. Food and Function, 2015, 6, 2957-2966.	2.1	25
26	Scaling and optimal synergy: Two principles determining microbial growth in complex media. Physical Review E, 2015, 91, 062703.	0.8	1
27	Control of cell-cell forces and collective cell dynamics by the intercellular adhesome. Nature Cell Biology, 2015, 17, 409-420.	4.6	275
28	Identifying strategies for mitigating the global warming impact of the EU-25 economy using a multi-objective input-output approach. Energy Policy, 2015, 77, 21-30.	4.2	38
29	GHG Emissions Minimization at the Macroeconomic Level via a Multi-objective Optimization/Input-output Approach: A Case Study of the EU-25 Economy. Computer Aided Chemical Engineering, 2014, , 1069-1074.	0.3	3
30	A Network Inference Method for Large-Scale Unsupervised Identification of Novel Drug-Drug Interactions. PLoS Computational Biology, 2013, 9, e1003374.	1.5	50
31	Predicting future conflict between team-members with parameter-free models of social networks. Scientific Reports, 2013, 3, 1999.	1.6	22
32	The Impact of Individual Biases on Consensus Formation. PLoS ONE, 2013, 8, e58989.	1.1	5
33	Phenomenological Model for Predicting the Catabolic Potential of an Arbitrary Nutrient. PLoS Computational Biology, 2012, 8, e1002762.	1.5	2
34	Evolutionary Conservation of Species' Roles in Food Webs. Science, 2012, 335, 1489-1492.	6.0	161
35	Predicting Human Preferences Using the Block Structure of Complex Social Networks. PLoS ONE, 2012, 7, e44620.	1.1	36
36	The Possible Role of Resource Requirements and Academic Career-Choice Risk on Gender Differences in Publication Rate and Impact. PLoS ONE, 2012, 7, e51332.	1.1	179

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37	Modular coherence of protein dynamics in yeast cell polarity system. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7647-7652.	3.3	11
38	Justice Blocks and Predictability of U.S. Supreme Court Votes. PLoS ONE, 2011, 6, e27188.	1.1	34
39	Origin of compartmentalization in food webs. Ecology, 2010, 91, 2941-2951.	1.5	126
40	Statistical validation of a global model for the distribution of the ultimate number of citations accrued by papers published in a scientific journal. Journal of the Association for Information Science and Technology, 2010, 61, 1377-1385.	2.6	79
41	Micro-bias and macro-performance. European Physical Journal B, 2009, 67, 369-375.	0.6	9
42	Detection of node group membership in networks with group overlap. European Physical Journal B, 2009, 67, 277-284.	0.6	40
43	Comparison of methods for the detection of node group membership in bipartite networks. European Physical Journal B, 2009, 72, 671-677.	0.6	10
44	Missing and spurious interactions and the reconstruction of complex networks. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22073-22078.	3.3	594
45	From clean dishes to clean hands. IEEE Engineering in Medicine and Biology Magazine, 2008, 27, 26-28.	1.1	3
46	Effectiveness of Journal Ranking Schemes as a Tool for Locating Information. PLoS ONE, 2008, 3, e1683.	1.1	134
47	Extracting the hierarchical organization of complex systems. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15224-15229.	3.3	465
48	Module identification in bipartite and directed networks. Physical Review E, 2007, 76, 036102.	0.8	324
49	A network-based method for target selection in metabolic networks. Bioinformatics, 2007, 23, 1616-1622.	1.8	58
50	Evolution of protein families: Is it possible to distinguish between domains of life?. Gene, 2007, 402, 81-93.	1.0	4
51	Classes of complex networks defined by role-to-role connectivity profiles. Nature Physics, 2007, 3, 63-69.	6.5	363
52	Form follows function: the architecture of complex networks. Molecular Systems Biology, 2006, 2, 42.	3.2	8
53	Mesoscopic modeling for nucleic acid chain dynamics. Physical Review E, 2005, 71, 051902.	0.8	40
54	Modularity from fluctuations in random graphs and complex networks. Physical Review E, 2004, 70, 025101.	0.8	680

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55	Statistics of lowest droplets in two-dimensional Gaussian Ising spin glasses. <i>Physical Review B</i> , 2003, 67, .	1.1	8
56	Temperature shifts in the Sinai model: static and dynamical effects. <i>Journal of Physics A</i> , 2003, 36, 665-684.	1.6	7
57	Fragility of the free-energy landscape of a directed polymer in random media. <i>Physical Review E</i> , 2002, 65, 066131.	0.8	35
58	Order-parameter fluctuations (OPF) in spin glasses: Monte Carlo simulations and exact results for small sizes. <i>European Physical Journal B</i> , 2001, 19, 565-582.	0.6	20
59	Rejuvenation in the random energy model. <i>Europhysics Letters</i> , 2001, 56, 181-186.	0.7	8
60	Scaling approach to order parameter fluctuations in disordered frustrated systems. <i>Journal of Physics A</i> , 2001, 34, L333-L339.	1.6	4
61	A conjectured scenario for order-parameter fluctuations in spin glasses. <i>Journal of Physics A</i> , 2000, 33, 6505-6526.	1.6	6
62	Spin-phonon avalanches in Mn ₁₂ acetate. <i>Physical Review B</i> , 1999, 60, 11898-11901.	1.1	41
63	Time-dependent heat capacity of Mn ₁₂ clusters. <i>Physical Review B</i> , 1999, 60, 14557-14560.	1.1	14
64	Magnetocaloric effect in La _{0.65} Ca _{0.35} Ti _{1-x} MnxO ₃ ceramic perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 196-197, 455-457.	1.0	20
65	Tunable magnetocaloric effect in ceramic perovskites. <i>Applied Physics Letters</i> , 1998, 73, 390-392.	1.5	202