

Mats Medo

List of Publications by Citations

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

61
papers

2,918
citations

20
h-index

54
g-index

63
ext. papers

3,436
ext. citations

4.2
avg, IF

5.36
L-index

#	Paper	IF	Citations
61	Bipartite network projection and personal recommendation. <i>Physical Review E</i> , 2007 , 76, 046115	2.4	637
60	Recommender systems. <i>Physics Reports</i> , 2012 , 519, 1-49	27.7	630
59	Solving the apparent diversity-accuracy dilemma of recommender systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 4511-5	11.5	592
58	Ranking in evolving complex networks. <i>Physics Reports</i> , 2017 , 689, 1-54	27.7	126
57	Temporal effects in the growth of networks. <i>Physical Review Letters</i> , 2011 , 107, 238701	7.4	98
56	Recommendation model based on opinion diffusion. <i>Europhysics Letters</i> , 2007 , 80, 68003	1.6	88
55	Adaptive model for recommendation of news. <i>Europhysics Letters</i> , 2009 , 88, 38005	1.6	60
54	Network-based recommendation algorithms: A review. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 452, 192-208	3.3	51
53	Emergence of scale-free leadership structure in social recommender systems. <i>PLoS ONE</i> , 2011 , 6, e20648	3.7	50
52	Identification of milestone papers through time-balanced network centrality. <i>Journal of Informetrics</i> , 2016 , 10, 1207-1223	3.1	42
51	Ranking nodes in growing networks: When PageRank fails. <i>Scientific Reports</i> , 2015 , 5, 16181	4.9	38
50	Prediction in complex systems: The case of the international trade network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 436, 188-199	3.3	35
49	Information filtering by similarity-preferential diffusion processes. <i>Europhysics Letters</i> , 2014 , 105, 58002	1.6	34
48	MET Inhibition Results in DNA Breaks and Synergistically Sensitizes Tumor Cells to DNA-Damaging Agents Potentially by Breaching a Damage-Induced Checkpoint Arrest. <i>Genes and Cancer</i> , 2010 , 1, 1053-62	2.9	33
47	Quantifying and suppressing ranking bias in a large citation network. <i>Journal of Informetrics</i> , 2017 , 11, 766-782	3.1	30
46	TREND PREDICTION IN TEMPORAL BIPARTITE NETWORKS: THE CASE OF MOVIELENS, NETFLIX, AND DIGG. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2013 , 16, 1350024	0.8	29
45	Early identification of important patents: Design and validation of citation network metrics. <i>Technological Forecasting and Social Change</i> , 2019 , 146, 644-654	9.5	25

44	The effect of discrete vs. continuous-valued ratings on reputation and ranking systems. <i>Europhysics Letters</i> , 2010 , 91, 48004	1.6	23
43	Statistical validation of high-dimensional models of growing networks. <i>Physical Review E</i> , 2014 , 89, 032804	1.4	21
42	Heterogeneity, quality, and reputation in an adaptive recommendation model. <i>European Physical Journal B</i> , 2011 , 80, 201-208	1.2	21
41	Enhancing topology adaptation in information-sharing social networks. <i>Physical Review E</i> , 2012 , 85, 046108	1.8	17
40	The essential role of time in network-based recommendation. <i>Europhysics Letters</i> , 2016 , 116, 30007	1.6	16
39	Network-driven reputation in online scientific communities. <i>PLoS ONE</i> , 2014 , 9, e112022	3.7	15
38	DNA-PK in human malignant disorders: Mechanisms and implications for pharmacological interventions. <i>Pharmacology & Therapeutics</i> , 2020 , 215, 107617	13.9	12
37	Model-based evaluation of scientific impact indicators. <i>Physical Review E</i> , 2016 , 94, 032312	2.4	12
36	Comprehensive Genomic Profiling of Patient-matched Head and Neck Cancer Cells: A Preclinical Pipeline for Metastatic and Recurrent Disease. <i>Molecular Cancer Research</i> , 2018 , 16, 1912-1926	6.6	12
35	How to quantify the influence of correlations on investment diversification. <i>International Review of Financial Analysis</i> , 2009 , 18, 34-39	6.7	12
34	Modeling mutual feedback between users and recommender systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015 , 2015, P07020	1.9	11
33	Unbiased evaluation of ranking metrics reveals consistent performance in science and technology citation data. <i>Journal of Informetrics</i> , 2020 , 14, 101005	3.1	11
32	Identification and impact of discoverers in online social systems. <i>Scientific Reports</i> , 2016 , 6, 34218	4.9	10
31	Randomizing growing networks with a time-respecting null model. <i>Physical Review E</i> , 2018 , 97, 052311	2.4	10
30	Analysis of Kelly-optimal portfolios. <i>Quantitative Finance</i> , 2010 , 10, 689-697	1.6	9
29	The role of a matchmaker in buyer-vendor interactions. <i>European Physical Journal B</i> , 2009 , 71, 565-571	1.2	9
28	Diversification and limited information in the Kelly game. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008 , 387, 6151-6158	3.3	9
27	Contact network models matching the dynamics of the COVID-19 spreading. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021 , 54, 035601	2	9

26	Measuring Quality, Reputation and Trust in Online Communities. <i>Lecture Notes in Computer Science</i> , 2012 , 405-414	0.9	8
25	Market model with heterogeneous buyers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008 , 387, 2889-2908	3.3	7
24	Distance-dependent connectivity: Yet another approach to the small-world phenomenon. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 360, 617-628	3.3	7
23	The long-term impact of ranking algorithms in growing networks. <i>Information Sciences</i> , 2019 , 488, 257-271	3.7	6
22	Emergence of product differentiation from consumer heterogeneity and asymmetric information. <i>European Physical Journal B</i> , 2008 , 64, 293-300	1.2	6
21	Information filtering based on corrected redundancy-eliminating mass diffusion. <i>PLoS ONE</i> , 2017 , 12, e0181402	3.7	5
20	The effect of the initial network configuration on preferential attachment. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	5
19	ProtRank: bypassing the imputation of missing values in differential expression analysis of proteomic data. <i>BMC Bioinformatics</i> , 2019 , 20, 563	3.6	4
18	Firm competition in a probabilistic framework of consumer choice. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 400, 47-56	3.3	4
17	Link Prediction in Bipartite Nested Networks. <i>Entropy</i> , 2018 , 20,	2.8	4
16	Discoverers in scientific citation data. <i>Journal of Informetrics</i> , 2019 , 13, 717-725	3.1	3
15	Heterogeneous network with distance dependent connectivity. <i>European Physical Journal B</i> , 2008 , 63, 273-278	1.2	3
14	Targeting the MET Receptor Tyrosine Kinase as a Strategy for Radiosensitization in Locoregionally Advanced Head and Neck Squamous Cell Carcinoma. <i>Molecular Cancer Therapeutics</i> , 2020 , 19, 614-626	6.1	3
13	Optimal timescale for community detection in growing networks. <i>New Journal of Physics</i> , 2019 , 21, 093066	3.6	2
12	Unbiased metrics of friends' influence in multi-level networks. <i>EPJ Data Science</i> , 2015 , 4,	3.4	2
11	Self-organized model of cascade spreading. <i>European Physical Journal B</i> , 2011 , 79, 91-98	1.2	2
10	The fragility of opinion formation in a complex world. <i>Communications Physics</i> , 2021 , 4,	5.4	2
9	Network-Based Information Filtering Algorithms: Ranking and Recommendation. <i>Modeling and Simulation in Science, Engineering and Technology</i> , 2013 , 315-334	0.8	2

8	Time-invariant degree growth in preferential attachment network models. <i>Physical Review E</i> , 2020 , 101, 022309	2.4	1
7	THE ROLE OF TASTE AFFINITY IN AGENT-BASED MODELS FOR SOCIAL RECOMMENDATION. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2013 , 16, 1350009	0.8	1
6	Transaction fees and optimal rebalancing in the growth-optimal portfolio. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011 , 390, 1635-1645	3.3	1
5	Improving PageRank using sports results modeling. <i>Knowledge-Based Systems</i> , 2022 , 241, 108168	7.3	1
4	Study of market model describing the contrary behaviors of informed and uninformed agents: Being minority and being majority. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 450, 486-496	3.3	1
3	Algorithmic bias amplification via temporal effects: The case of PageRank in evolving networks. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022 , 104, 106029	3.7	1
2	Spatial firm competition in two dimensions with linear transportation costs: simulations and analytical results. <i>European Physical Journal B</i> , 2016 , 89, 1	1.2	
1	The simple regularities in the dynamics of online news impact. <i>Journal of Computational Social Science</i> , 1	3	