Katharina A Zweig

List of Publications by Year
in descending order

54	702	777949 13	721071 23
papers	citations	h-index	g-index

59	59	59	570
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	How to regulate algorithmic decisionâ€making: A framework of regulatory requirements for different applications. Regulation and Governance, 2022, 16, 119-136.	1.9	37
2	Promises and Pitfalls of Algorithm Use by State Authorities. Philosophy and Technology, 2022, 35, 1.	2.6	0
3	Fairness by awareness? On the inclusion of protected features in algorithmic decisions. Computer Law and Security Review, 2022, 44, 105658.	1.3	0
4	Crucial Challenges in Large-Scale Black Box Analyses. Communications in Computer and Information Science, 2021, , 143-155.	0.4	1
5	A systematic evaluation of assumptions in centrality measures by empirical flow data. Social Network Analysis and Mining, 2021, 11, 1.	1.9	2
6	Towards a process-driven network analysis. Applied Network Science, 2020, 5, .	0.8	6
7	Quantitative analysis of automatic performance evaluation systems based on the h-index. Scientometrics, 2020, 123, 735-751.	1.6	2
8	Why We Need a Process-Driven Network Analysis. Studies in Computational Intelligence, 2020, , 81-93.	0.7	2
9	Why Do We Need to Be Bots? What Prevents Society from Detecting Biases in Recommendation Systems. Communications in Computer and Information Science, 2020, , 27-34.	0.4	3
10	Data Donations for Mapping Risk in Google Search of Health Queries: A case study of unproven stem cell treatments in SEM. , 2020, , .		2
11	The Crucial Role of Sensitive Attributes in Fair Classification. , 2020, , .		3
12	What did you see? A study to measure personalization in Googleâ€™s search engine. EPJ Data Science, 2019, 8, .	1.5	22
13	Milo et al. (2002): Network Motifs: Simple Building Blocks of Complex Networks. Netzwerkforschung, 2019, , 411-413.	0.0	0
14	Link Classification and Tie Strength Ranking in Online Social Networks with Exogenous Interaction Networks. Lecture Notes in Computer Science, 2019, , 1-27.	1.0	0
15	On Chances and Risks of Security Related Algorithmic Decision Making Systems. European Journal for Security Research, 2018, 3, 181-203.	2.0	21
16	A Memory Centric Architecture of the Link Assessment Algorithm in Large Graphs. IEEE Design and Test, 2018, 35, 7-15.	1.1	3
17	Process-Driven Betweenness Centrality Measures. Lecture Notes in Social Networks, 2018, , 17-33.	0.8	3
18	Paths in Complex Networks. , 2018, , 1766-1776.		0

#	Article	IF	Citations
19	Network Representations of Complex Data. , 2018, , 1551-1562.		0
20	Paths in Complex Networks. , 2017, , 1-11.		0
21	Network Representations of Complex Data. , 2017, , 1-12.		0
22	Motif detection speed up by using equations based on the degree sequence. Social Network Analysis and Mining, 2016, 6, 1.	1.9	1
23	Random Graphs as Null Models. Lecture Notes in Social Networks, 2016, , 183-214.	0.8	0
24	Lifelong Learning and Collaboration of Smart Technical Systems in Open-Ended Environments -- Opportunistic Collaborative Interactive Learning. , 2016, , .		11
25	Increasing sampling efficiency for the fixed degree sequence model with phase transitions. Social Network Analysis and Mining, 2016, 6, 1.	1.9	3
26	Network Analysis Literacy. Lecture Notes in Social Networks, 2016, , .	0.8	38
27	Centrality Indices. Lecture Notes in Social Networks, 2016, , 243-276.	0.8	3
28	Literacy: When Is a Network Model Explanatory?. Lecture Notes in Social Networks, 2016, , 363-393.	0.8	0
29	Graph Theory, Social Network Analysis, and Network Science. Lecture Notes in Social Networks, 2016, , 23-55.	0.8	8
30	Most Central or Least Central? How Much Modeling Decisions Influence a Node's Centrality Ranking in Multiplex Networks. , 2016, , .		6
31	Assessing Low-Intensity Relationships in Complex Networks. PLoS ONE, 2016, 11, e0152536.	1.1	13
32	Literacy: Data Quality, Entities, and Nodes. Lecture Notes in Social Networks, 2016, , 279-311.	0.8	0
33	Ethics in Network Analysis. Lecture Notes in Social Networks, 2016, , 475-485.	0.8	0
34	Literacy Interpretation. Lecture Notes in Social Networks, 2016, , 431-474.	0.8	0
35	Literacy: Choosing the Best Null Model. Lecture Notes in Social Networks, 2016, , 395-429.	0.8	0
36	Network Representations of Complex Systems. Lecture Notes in Social Networks, 2016, , 109-148.	0.8	1

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37	Literacy: Relationships and Relations. Lecture Notes in Social Networks, 2016, , 313-361.	0.8	0
38	Exploiting Phase Transitions for the Efficient Sampling of the Fixed Degree Sequence Model. , 2015, , .		3
39	A Custom Computing System for Finding Similarties in Complex Networks. , 2015, , .		4
40	Different flavors of randomness: comparing random graph models with fixed degree sequences. Social Network Analysis and Mining, 2015, 5, 1.	1.9	13
41	Network Representations of Complex Data. , 2014, , 1102-1113.		1
42	A fixed degree sequence model for the one-mode projection of multiplex bipartite graphs. Social Network Analysis and Mining, 2013, 3, 1209-1224.	1.9	15
43	SICOP: identifying significant co-interaction patterns. Bioinformatics, 2013, 29, 2503-2504.	1.8	1
44	A Network-Based Method to Assess the Statistical Significance of Mild Co-Regulation Effects. PLoS ONE, 2013, 8, e73413.	1.1	19
45	You Are Who Knows You: Predicting Links Between Non-members of Facebook. Springer Proceedings in Complexity, 2013, , 309-315.	0.2	0
46	Understanding Human Navigation Using Network Analysis. Topics in Cognitive Science, 2012, 4, 121-134.	1.1	36
47	One-mode Projection of Multiplex Bipartite Graphs. , 2012, , .		43
48	One Plus One Makes Three (for Social Networks). PLoS ONE, 2012, 7, e34740.	1.1	22
49	A systematic approach to the one-mode projection of bipartite graphs. Social Network Analysis and Mining, 2011, 1, 187-218.	1.9	86
50	What makes a phase transition? Analysis of the random satisfiability problem. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 1501-1511.	1.2	3
51	How to Forget the Second Side of the Story: A New Method for the One-Mode Projection of Bipartite Graphs. , 2010, , .		12
52	Cycle bases in graphs characterization, algorithms, complexity, and applications. Computer Science Review, 2009, 3, 199-243.	10.2	109
53	Breaking the hierarchy - a new cluster selection mechanism for hierarchical clustering methods. Algorithms for Molecular Biology, 2009, 4, 12.	0.3	14
54	Wanderer between the Worlds - Self-Organized Network Stability in Attack and Random Failure Scenarios. , 2008, , .		8