

Giacomo Fiumara

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7912817/publications.pdf>

Version: 2024-02-01

53
papers

1,663
citations

567281

15
h-index

345221

36
g-index

59
all docs

59
docs citations

59
times ranked

1684
citing authors

#	ARTICLE	IF	CITATIONS
1	Influential Spreaders Identification in Complex Networks With TOPSIS and K-Shell Decomposition. IEEE Transactions on Computational Social Systems, 2023, 10, 347-361.	4.4	7
2	Correlation Analysis of Node and Edge Centrality Measures in Artificial Complex Networks. Lecture Notes in Networks and Systems, 2022, , 901-908.	0.7	2
3	Dynamic Community Discovery Method Based on Phylogenetic Planted Partition in Temporal Networks. Applied Sciences (Switzerland), 2022, 12, 3795.	2.5	0
4	The Whole Is Greater than the Sum of the Parts: A Multilayer Approach on Criminal Networks. Future Internet, 2022, 14, 123.	3.8	8
5	Simple Physics With Python: A Workbook on Introductory Physics With Open-Source Software. Computing in Science and Engineering, 2022, 24, 74-78.	1.2	1
6	Game of Thieves and WERW-Kpath: Two Novel Measures of Node and Edge Centrality for Mafia Networks. Springer Proceedings in Complexity, 2021, , 12-23.	0.3	3
7	Multilayer Network Analysis: The Identification of Key Actors in a Sicilian Mafia Operation. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 120-134.	0.3	10
8	Graph and Network Theory for the Analysis of Criminal Networks. Internet of Things, 2021, , 139-156.	1.7	4
9	Graph Comparison and Artificial Models for Simulating Real Criminal Networks. Studies in Computational Intelligence, 2021, , 286-297.	0.9	6
10	Correlations Among Game of Thieves and Other Centrality Measures in Complex Networks. Internet of Things, 2021, , 43-62.	1.7	5
11	Criminal networks analysis in missing data scenarios through graph distances. PLoS ONE, 2021, 16, e0255067.	2.5	14
12	Studying Physics, Getting to Know Python: <i>RC</i> Circuit, Simple Experiments, Coding, and Data Analysis With Raspberry Pi. Computing in Science and Engineering, 2021, 23, 93-96.	1.2	3
13	Disrupting resilient criminal networks through data analysis: The case of Sicilian Mafia. PLoS ONE, 2020, 15, e0236476.	2.5	37
14	Artificial neural networks training acceleration through network science strategies. Soft Computing, 2020, 24, 17787-17795.	3.6	5
15	Robust link prediction in criminal networks: A case study of the Sicilian Mafia. Expert Systems With Applications, 2020, 161, 113666.	7.6	38
16	Input Selection Methods for Soft Sensor Design: A Survey. Future Internet, 2020, 12, 97.	3.8	19
17	Investigating classification supervised learning approaches for the identification of critical patientsâ€™ posts in a healthcare social network. Applied Soft Computing Journal, 2020, 90, 106155.	7.2	13
18	Social Network Analysis of Sicilian Mafia Interconnections. Studies in Computational Intelligence, 2020, , 440-450.	0.9	13

#	ARTICLE	IF	CITATIONS
19	Artificial Neural Networks Training Acceleration Through Network Science Strategies. Lecture Notes in Computer Science, 2020, , 330-336.	1.3	2
20	A machine learning-based approach for predicting the outbreak of cardiovascular diseases in patients on dialysis. Computer Methods and Programs in Biomedicine, 2019, 177, 9-15.	4.7	86
21	Analysis of a NoSQL Graph DBMS for a Hospital Social Network. , 2018, , .		2
22	Applying Artificial Intelligence in Healthcare Social Networks to Identity Critical Issues in Patientsâ€™ Posts. , 2018, , .		12
23	Virial coefficients, equation of state, and demixing of binary asymmetric nonadditive hard-disk mixtures. Journal of Chemical Physics, 2017, 147, 164502.	3.0	4
24	An Empirical Comparison of Algorithms to Find Communities in Directed Graphs and Their Application in Web Data Analytics. IEEE Transactions on Big Data, 2017, 3, 289-306.	6.1	20
25	Network structure and resilience of Mafia syndicates. Information Sciences, 2016, 351, 30-47.	6.9	60
26	Adaptive search over sorted sets. Journal of Discrete Algorithms, 2015, 30, 128-133.	0.7	4
27	Virial coefficients and demixing in the Asakuraâ€™Oosawa model. Journal of Chemical Physics, 2015, 142, 014902.	3.0	7
28	The effective colloid interaction in the Asakuraâ€™Oosawa model. Assessment of non-pairwise terms from the virial expansion. Journal of Chemical Physics, 2015, 142, 224903.	3.0	12
29	Uncovering Criminal Behavior with Computational Tools. , 2015, , 177-207.		2
30	On Facebook, most ties are weak. Communications of the ACM, 2014, 57, 78-84.	4.5	125
31	Theoretical and computer simulation study of phase coexistence of nonadditive hard-disk mixtures. Journal of Chemical Physics, 2014, 141, 214508.	3.0	7
32	Detecting criminal organizations in mobile phone networks. Expert Systems With Applications, 2014, 41, 5733-5750.	7.6	121
33	Mixing local and global information for community detection in large networks. Journal of Computer and System Sciences, 2014, 80, 72-87.	1.2	113
34	Web data extraction, applications and techniques: A survey. Knowledge-Based Systems, 2014, 70, 301-323.	7.1	247
35	RDF annotation of Second Life objects: Knowledge Representation meets Social Virtual reality. Computational and Mathematical Organization Theory, 2014, 20, 20-35.	2.0	0
36	Forensic analysis of phone call networks. Social Network Analysis and Mining, 2013, 3, 15-33.	2.8	34

#	ARTICLE	IF	CITATIONS
37	Enhancing community detection using a network weighting strategy. Information Sciences, 2013, 222, 648-668.	6.9	81
38	Extraction and Analysis of Facebook Friendship Relations. , 2012, , 291-324.		34
39	A novel measure of edge centrality in social networks. Knowledge-Based Systems, 2012, 30, 136-150.	7.1	108
40	Living city: a collaborative browser-based Massively Multiplayer Online Game. , 2012, , .		0
41	A Framework for Designing 3D Virtual Environments. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 209-218.	0.3	2
42	Generalized Louvain method for community detection in large networks. , 2011, , .		169
43	Crawling Facebook for social network analysis purposes. , 2011, , .		115
44	Improving recommendation quality by merging collaborative filtering and social relationships. , 2011, , .		7
45	Rendering of 3D Dynamic Virtual Environments. , 2011, , .		2
46	A visual tool for forensic analysis of mobile phone traffic. , 2010, , .		17
47	Rule-Based Spam E-mail Annotation. Lecture Notes in Computer Science, 2010, , 231-234.	1.3	1
48	Knowledge Representation in Virtual Teams: A Perspective Approach for Synthetic Worlds. International Federation for Information Processing, 2010, , 619-625.	0.4	0
49	Adaptive Web Data Extraction Policies. , 2007, , .		1
50	Virial expansion of a non-additive hard-sphere mixture. Journal of Chemical Physics, 1998, 108, 9098-9101.	3.0	33
51	Ab initio molecular-dynamics study of electronic and optical properties of silicon quantum wires: Orientational effects. Physical Review B, 1996, 53, 1446-1451.	3.2	46
52	The Role of Schema and Document Matchings in XML Source Clustering. Advances in Data Mining and Database Management Book Series, 0, , 125-153.	0.5	0
53	Finding Similar Users in Facebook. , 0, , 304-323.		1