

Niloy Ganguly

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9645873/publications.pdf>

Version: 2024-02-01

202
papers

3,090
citations

471509

17
h-index

477307

29
g-index

204
all docs

204
docs citations

204
times ranked

2205
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding and combating link farming in the twitter social network. , 2012, , .		230
2	Metrics for Community Analysis. ACM Computing Surveys, 2018, 50, 1-37.	23.0	181
3	Stop Clickbait: Detecting and preventing clickbaits in online news media. , 2016, , .		170
4	Cognos. , 2012, , .		140
5	Extracting Situational Information from Microblogs during Disaster Events. , 2015, , .		116
6	FairRec: Two-Sided Fairness for Personalized Recommendations in Two-Sided Platforms. , 2020, , .		100
7	On the permanence of vertices in network communities. , 2014, , .		91
8	Inferring user interests in the Twitter social network. , 2014, , .		87
9	Online Public Shaming on Twitter: Detection, Analysis, and Mitigation. IEEE Transactions on Computational Social Systems, 2019, 6, 208-220.	4.4	62
10	Equality of Voice. , 2019, , .		60
11	Extracting and Summarizing Situational Information from the Twitter Social Media during Disasters. ACM Transactions on the Web, 2018, 12, 1-35.	2.5	59
12	Towards a stratified learning approach to predict future citation counts. , 2014, , .		50
13	Inferring who-is-who in the Twitter social network. , 2012, , .		46
14	Identifying Sub-events and Summarizing Disaster-Related Information from Microblogs. , 2018, , .		43
15	HotDASH: Hotspot Aware Adaptive Video Streaming Using Deep Reinforcement Learning. , 2018, , .		41
16	Summarizing Situational Tweets in Crisis Scenario. , 2016, , .		40
17	Understanding Language Preference for Expression of Opinion and Sentiment: What do Hindi-English Speakers do on Twitter?. , 2016, , .		40
18	On sampling the wisdom of crowds. , 2013, , .		39

#	ARTICLE	IF	CITATIONS
19	Computer science fields as ground-truth communities. , 2013, , .		38
20	Emotion detection from touch interactions during text entry on smartphones. International Journal of Human Computer Studies, 2019, 130, 47-57.	5.6	38
21	On the categorization of scientific citation profiles in computer science. Communications of the ACM, 2015, 58, 82-90.	4.5	34
22	Discriminative Link Prediction using Local, Community, and Global Signals. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2057-2070.	5.7	34
23	Inferring who-is-who in the Twitter social network. Computer Communication Review, 2012, 42, 533-538.	1.8	31
24	Constant Communities in Complex Networks. Scientific Reports, 2013, 3, 1825.	3.3	31
25	Learning a Linear Influence Model from Transient Opinion Dynamics. , 2014, , .		31
26	GenPerm: A Unified Method for Detecting Non-Overlapping and Overlapping Communities. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2101-2114.	5.7	31
27	TapSense. , 2017, , .		31
28	ADELE: Anomaly Detection from Event Log Empiricism. , 2018, , .		30
29	Summarizing Situational Tweets in Crisis Scenarios: An Extractive-Abstractive Approach. IEEE Transactions on Computational Social Systems, 2019, 6, 981-993.	4.4	30
30	Incremental Fairness in Two-Sided Market Platforms: On Smoothly Updating Recommendations. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 181-188.	4.9	30
31	Characterizing and Countering Communal Microblogs During Disaster Events. IEEE Transactions on Computational Social Systems, 2018, 5, 403-417.	4.4	28
32	Unsupervised query segmentation using only query logs. , 2011, , .		26
33	Smart Association Control in Wireless Mobile Environment Using Max-Flow. IEEE Transactions on Network and Service Management, 2012, 9, 73-86.	4.9	26
34	Deep Twitter diving. , 2014, , .		25
35	Classifying and Summarizing Information from Microblogs During Epidemics. Information Systems Frontiers, 2018, 20, 933-948.	6.4	25
36	Sampling Content from Online Social Networks. ACM Transactions on the Web, 2015, 9, 1-33.	2.5	24

#	ARTICLE	IF	CITATIONS
37	UrbanEye: An outdoor localization system for public transport. , 2016, , .		23
38	Candid with YouTube. , 2017, , .		21
39	Evaluating effectiveness of smartphone typing as an indicator of user emotion. , 2017, , .		20
40	Self-organization of the Sound Inventories: Analysis and Synthesis of the Occurrence and Co-occurrence Networks of Consonantsâ—. Journal of Quantitative Linguistics, 2009, 16, 157-184.	1.2	18
41	Understanding and modeling diverse scientific careers of researchers. Journal of Informetrics, 2015, 9, 69-78.	2.9	18
42	Correlations in complex networks under attack. Physical Review E, 2012, 86, 036106.	2.1	17
43	Discovering and understanding word level user intent in Web search queries. Web Semantics, 2015, 30, 22-38.	2.9	17
44	Optimizing the Recency-Relevancy Trade-off in Online News Recommendations. , 2017, , .		17
45	Modeling broadcasting using omnidirectional and directional antenna in delay tolerant networks as an epidemic dynamics. IEEE Journal on Selected Areas in Communications, 2010, 28, 524-531.	14.0	16
46	EmoKey: An Emotion-aware Smartphone Keyboard for Mental Health Monitoring. , 2019, , .		16
47	Designing an Experience Sampling Method for Smartphone Based Emotion Detection. IEEE Transactions on Affective Computing, 2021, 12, 913-927.	8.3	16
48	A Large-Scale Study of the Twitter Follower Network to Characterize the Spread of Prescription Drug Abuse Tweets. IEEE Transactions on Computational Social Systems, 2019, 6, 1232-1244.	4.4	16
49	FeRoSA: A Faceted Recommendation System for Scientific Articles. Lecture Notes in Computer Science, 2016, , 528-541.	1.3	16
50	A Deep Generative Model for Code Switched Text. , 2019, , .		16
51	Understanding how both the partitions of a bipartite network affect its one-mode projection. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 3602-3607.	2.6	15
52	Citation interactions among computer science fields: a quantitative route to the rise and fall of scientific research. Social Network Analysis and Mining, 2014, 4, 1.	2.8	15
53	Classifying Information from Microblogs during Epidemics. , 2017, , .		15
54	Read what you need: Controllable Aspect-based Opinion Summarization of Tourist Reviews. , 2020, , .		15

#	ARTICLE	IF	CITATIONS
55	MVL: Multi-View Learning for News Recommendation. , 2020, , .		15
56	Comfride. , 2018, , .		14
57	Exploiting Diversity in Android TLS Implementations for Mobile App Traffic Classification. , 2019, , .		14
58	Analyzing the vulnerability of superpeer networks against attack. , 2007, , .		13
59	ActivPass. , 2015, , .		13
60	Tabloids in the Era of Social Media?. Proceedings of the ACM on Human-Computer Interaction, 2017, 1, 1-21.	3.3	13
61	Learning Network Traffic Dynamics Using Temporal Point Process. , 2019, , .		13
62	Optimizing the recency-relevance-diversity trade-offs in non-personalized news recommendations. Information Retrieval, 2019, 22, 447-475.	2.0	13
63	MODELING THE CO-OCCURRENCE PRINCIPLES OF THE CONSONANT INVENTORIES: A COMPLEX NETWORK APPROACH. International Journal of Modern Physics C, 2007, 18, 281-295.	1.7	12
64	Spammers' networks within online social networks. , 2011, , .		12
65	An author is known by the context she keeps: significance of network motifs in scientific collaborations. Social Network Analysis and Mining, 2015, 5, 1.	2.8	12
66	Notice of Removal: Characterizing communal microblogs during disaster events. , 2016, , .		12
67	Modeling discrete combinatorial systems as alphabetic bipartite networks: Theory and applications. Physical Review E, 2010, 81, 036103.	2.1	11
68	An IR-based evaluation framework for web search query segmentation. , 2012, , .		11
69	Sprinkler. , 2013, , .		11
70	Discriminative Link Prediction Using Local Links, Node Features and Community Structure. , 2013, , .		11
71	LMPP: A Large Margin Point Process Combining Reinforcement and Competition for Modeling Hashtag Popularity. , 2017, , .		11
72	Detecting overlapping communities in folksonomies. , 2012, , .		10

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73	Automatic Classification and Analysis of Interdisciplinary Fields in Computer Sciences. , 2013, , .		10
74	Syntactic complexity of Web search queries through the lenses of language models, networks and users. Information Processing and Management, 2016, 52, 923-948.	8.6	10
75	Demarcating Endogenous and Exogenous Opinion Diffusion Process on Social Networks. , 2018, , .		10
76	Towards Safety and Sustainability: Designing Local Recommendations for Post-pandemic World. , 2020, , .		10
77	How do Superpeer Networks Emerge?. , 2010, , .		9
78	Intergroup networks as random threshold graphs. Physical Review E, 2014, 89, 042812.	2.1	9
79	Permanence and Community Structure in Complex Networks. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-34.	3.5	9
80	Time series analysis of temporal networks. European Physical Journal B, 2016, 89, 1.	1.5	9
81	Identifying and Analyzing Different Aspects of English-Hindi Code-Switching in Twitter. ACM Transactions on Asian and Low-Resource Language Information Processing, 2019, 18, 1-28.	2.0	9
82	Does emotion influence the use of auto-suggest during smartphone typing?. , 2019, , .		9
83	Generalized theory for node disruption in finite-size complex networks. Physical Review E, 2008, 78, 026115.	2.1	8
84	Attack tolerance of correlated time-varying social networks with well-defined communities. Physica A: Statistical Mechanics and Its Applications, 2015, 420, 98-107.	2.6	8
85	Smart-phone based Spatio-temporal Sensing for Annotated Transit Map Generation. , 2017, , .		8
86	Editorial Versus Audience Gatekeeping: Analyzing News Selection and Consumption Dynamics in Online News Media. IEEE Transactions on Computational Social Systems, 2019, 6, 680-691.	4.4	8
87	On the Wisdom of Experts vs. Crowds. , 2016, , .		8
88	Identifying overlapping communities in folksonomies or tripartite hypergraphs. , 2011, , .		7
89	A Tunable Mechanism for Identifying Trusted Nodes in Large Scale Distributed Networks. , 2012, , .		7
90	Structure and Evolution of Online Social Networks. Intelligent Systems Reference Library, 2014, , 23-44.	1.2	7

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91	STRM: A sister tweet reinforcement process for modeling hashtag popularity. , 2017, , .		7
92	SLANT+: A Nonlinear Model for Opinion Dynamics in Social Networks. , 2017, , .		7
93	Learning Linear Influence Models in Social Networks from Transient Opinion Dynamics. ACM Transactions on the Web, 2019, 13, 1-33.	2.5	7
94	Multi-criteria online frame-subset selection for autonomous vehicle videos. Pattern Recognition Letters, 2020, 133, 349-355.	4.2	7
95	Effects of a soft cut-off on node-degree in the Twitter social network. Computer Communications, 2012, 35, 784-795.	5.1	6
96	Epidemic spreading through direct and indirect interactions. Physical Review E, 2014, 90, 032808.	2.1	6
97	Identifying and Characterizing Sleeping Beauties on YouTube. , 2016, , .		6
98	Influence of Reviewer Interaction Network on Long-Term Citations: A Case Study of the Scientific Peer-Review System of the Journal of High Energy Physics. , 2017, , .		6
99	CRPP. , 2018, , .		6
100	Unsupervised annotated city traffic map generation. , 2016, , .		6
101	Toward Fair Recommendation in Two-sided Platforms. ACM Transactions on the Web, 2022, 16, 1-34.	2.5	6
102	Coverage-maximization in networks under resource constraints. Physical Review E, 2010, 81, 061124.	2.1	5
103	Fair bandwidth allocation in wireless network using max-flow. , 2010, , .		5
104	Local learning of item dissimilarity using content and link structure. , 2012, , .		5
105	Some insights on the recent spate of accidents in Indian Railways. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2917-2929.	2.6	5
106	A Generic Opinion-Fact Classifier with Application in Understanding Opinionatedness in Various News Section. , 2017, , .		5
107	Towards designing an intelligent experience sampling method for emotion detection. , 2017, , .		5
108	Link Travel Time Prediction from Large Scale Endpoint Data. , 2017, , .		5

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109	Representation Learning for Emotion Recognition from Smartphone Keyboard Interactions. , 2019, , .		5
110	Anomalies in the Peer-review System. , 2016, , .		5
111	CrysXPP: An explainable property predictor for crystalline materials. Npj Computational Materials, 2022, 8, .	8.7	5
112	Stability analysis of peer-to-peer networks against churn. Pramana - Journal of Physics, 2008, 71, 263-273.	1.8	4
113	REDISCOVERING THE CO-OCCURRENCE PRINCIPLES OF VOWEL INVENTORIES: A COMPLEX NETWORK APPROACH. International Journal of Modeling, Simulation, and Scientific Computing, 2008, 11, 371-392.	1.4	4
114	HPC5: An efficient topology generation mechanism for Gnutella networks. Computer Networks, 2010, 54, 1440-1459.	5.1	4
115	Fair bandwidth allocation in wireless mobile environment using max-flow. , 2010, , .		4
116	Degree distributions of evolving alphabetic bipartite networks and their projections. Theoretical Computer Science, 2012, 466, 20-36.	0.9	4
117	Impact of experience sampling methods on tap pattern based emotion recognition. , 2015, , .		4
118	Understanding data traffic behaviour for smartphone video and audio apps. , 2016, , .		4
119	The positive and negative effects of social media in India. Communications of the ACM, 2019, 62, 98-99.	4.5	4
120	TSFS: An Integrated Approach for Event Segmentation and ADL Detection in IoT Enabled Smarthomes. IEEE Transactions on Mobile Computing, 2019, 18, 2686-2700.	5.8	4
121	A Smartphone-Based Passenger Assistant for Public Bus Commute in Developing Countries. IEEE Transactions on Computational Social Systems, 2020, 7, 465-476.	4.4	4
122	A GAN-based Framework for Modeling Hashtag Popularity Dynamics Using Assistive Information. , 2020, , .		4
123	A Novel Two-stage Framework for Extracting Opinionated Sentences from News Articles. , 2014, , .		4
124	Measuring robustness of superpeer topologies. , 2007, , .		3
125	Community formation and search in P2P: A robust and self-adjusting algorithm. , 2009, , .		3
126	Attacks on correlated peer-to-peer networks: An analytical study. , 2011, , .		3

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127	Information dissemination dynamics in delay tolerant network. , 2012, , .		3
128	Effect of constraints on superpeer topologies. , 2013, , .		3
129	Extracting Social Lists from Twitter. , 2017, , .		3
130	MoViDiff: Enabling service differentiation for mobile video apps. , 2017, , .		3
131	Editorial Algorithms. , 2018, , .		3
132	Identifying Multi-dimensional Information from Microblogs During Epidemics. , 2019, , .		3
133	Effectiveness of Deep Neural Network Model in Typing-based Emotion Detection on Smartphones. , 2018, , .		3
134	Modelling the Redundancy of Human Speech Sound Inventories: An Information Theoretic Approach. Journal of Quantitative Linguistics, 2010, 17, 317-343.	1.2	2
135	Distributed content storage for just-in-time streaming. Computer Communication Review, 2012, 42, 77-78.	1.8	2
136	Epidemic broadcasting in DTNs using directional antenna. , 2012, , .		2
137	Framework for Collaborative Download in Wireless Mobile Environment. , 2012, , .		2
138	Understanding Evolution of Inter-Group Relationships Using Bipartite Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 584-594.	14.0	2
139	Coverage maximization under resource constraints using a nonuniform proliferating random walk. Physical Review E, 2013, 87, 022807.	2.1	2
140	Automatic classification of scientific groups as productive: An approach based on motif analysis. , 2014, , .		2
141	Rising popularity of interdisciplinary research — An analysis of citation networks. , 2014, , .		2
142	Improving unsupervised query segmentation using parts-of-speech sequence information. , 2014, , .		2
143	Aggregating inter-app traffic to optimize cellular radio energy consumption on smartphones. , 2015, , .		2
144	Analyzing the News Coverage of Personalized Newspapers. , 2018, , .		2

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145	Harnessing Twitter for Answering Opinion List Queries. IEEE Transactions on Computational Social Systems, 2018, 5, 1083-1095.	4.4	2
146	One for the Road: Recommending Male Street Attire. Lecture Notes in Computer Science, 2018, , 571-582.	1.3	2
147	Understanding Brand Consistency from Web Content. , 2019, , .		2
148	CRIMP: Here crisis mapping goes offline. Journal of Network and Computer Applications, 2019, 146, 102418.	9.1	2
149	<i>Going Beyond Content Richness</i> : Verified Information Aware Summarization of Crisis-Related Microblogs. , 2019, , .		2
150	On the effectiveness of the scientific peer-review system: a case study of the Journal of High Energy Physics. International Journal on Digital Libraries, 2020, 21, 93-107.	1.5	2
151	An Integrated Approach for Improving Brand Consistency of Web Content. ACM Transactions on the Web, 2021, 15, 1-25.	2.5	2
152	HPC5: An Efficient Topology Generation Mechanism for Gnutella Networks. Lecture Notes in Computer Science, 2008, , 114-126.	1.3	2
153	Discovering and Understanding Word Level User Intent in Web Search Queries. SSRN Electronic Journal, 0, , .	0.4	2
154	Formal Understanding of the Emergence of Superpeer Networks: A Complex Network Approach. Lecture Notes in Computer Science, 2010, , 219-230.	1.3	2
155	Recommendation of Compatible Outfits Conditioned on Style. Lecture Notes in Computer Science, 2022, , 35-50.	1.3	2
156	TMCROSS: Thresholded Multi-Criteria Online Subset Selection for Data-Efficient Autonomous Driving. , 2021, , .		2
157	How stable are large superpeer networks against attack?. , 2007, , .		1
158	Optimizing topology in Bit Torrent based networks. , 2011, , .		1
159	ON COVERAGE BOUNDS OF UNSTRUCTURED PEER-TO-PEER NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2011, 14, 611-633.	1.4	1
160	Distributed content storage for just-in-time streaming. , 2012, , .		1
161	Analyzing the performance of epidemic broadcasting in DTNs using directional antenna. , 2013, , .		1
162	Offloading cellular traffic. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
163	Place value. , 2013, , .		1
164	(Stable) virtual landmarks: Spatial dropbox to enhance retail experience. , 2014, , .		1
165	Microscopic Description and Prediction of Information Diffusion in Social Media. , 2015, , .		1
166	Threshold-based epidemic dynamics in systems with memory. Europhysics Letters, 2016, 116, 48004.	2.0	1
167	Brokerage-based attack on real world temporal networks. Network Science, 2016, 4, 446-459.	1.0	1
168	Understanding the Usage of Idioms in the Twitter Social Network. , 2017, , 767-788.		1
169	Analysis of the Co-purchase Network of Products to Predict Amazon Sales-Rank. Lecture Notes in Computer Science, 2017, , 197-214.	1.3	1
170	CommBox: Utilizing sensors for real-time cricket shot identification and commentary generation. , 2017, , .		1
171	Mining Twitter and Taxi Data for Predicting Taxi Pickup Hotspots. , 2017, , .		1
172	Online Social Networks to Foster Long-Term Welfare. GetMobile (New York, N Y), 2019, 23, 5-8.	1.0	1
173	GradeSense: Gradation Aware Storage for Robust Activity Recognition in a Multimodal Smarthome. , 2020, , .		1
174	Modeling Inter-process Dynamics in Competitive Temporal Point Processes. Journal of the Indian Institute of Science, 2021, 101, 455.	1.9	1
175	Assessing the Effects of a Soft Cut-Off in the Twitter Social Network. Lecture Notes in Computer Science, 2011, , 288-300.	1.3	1
176	Improving Document Ranking for Long Queries with Nested Query Segmentation. Lecture Notes in Computer Science, 2016, , 775-781.	1.3	1
177	Towards an Aspect-Based Ranking Model for Clinical Trial Search. Lecture Notes in Computer Science, 2019, , 209-222.	1.3	1
178	Topic Influence Graph Based Analysis of Seminal Papers. , 2020, , .		1
179	Scheduling Virtual Conferences Fairly: Achieving Equitable Participant and Speaker Satisfaction. , 2022, , .		1
180	A new bio-inspired location search algorithm for peer to peer network based Internet telephony. , 2006, , .		0

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181	A Bandwidth Aware Topology Generation Mechanism for Peer-to-Peer based Publish-Subscribe Systems. , 2008, , .		0
182	Community based search on power law networks. , 2008, , .		0
183	Fair bandwidth allocation in wireless network using max-flow. Computer Communication Review, 2010, 40, 407-408.	1.8	0
184	Can Degree Correlation Help to Design Resilient Superpeer Networks?. , 2012, , .		0
185	Effect of attachment strategies on bipartite networks. European Physical Journal B, 2013, 86, 1.	1.5	0
186	Delay tolerant networks as spatio-temporal networks. , 2013, , .		0
187	UNDERSTANDING THE CORRELATION OF THE PROPERTIES OF HUMAN MOVEMENT PATTERNS. International Journal of Modeling, Simulation, and Scientific Computing, 2014, 17, 1450019.	1.4	0
188	Message from social network workshop co-chairs. , 2015, , .		0
189	Coverage maximization under resource constraints using proliferating random walks. Pramana - Journal of Physics, 2015, 84, 273-284.	1.8	0
190	On the broadcast of segmented messages in dynamic networks. , 2015, , .		0
191	Mining Twitter Conversations around E-commerce Promotional Events. , 2016, , .		0
192	Friends are forever? Evolution of active friendship clusters in online social networks. , 2017, , .		0
193	Evolution of superpeer topologies – An analytical perspective. Pervasive and Mobile Computing, 2017, 40, 339-358.	3.3	0
194	GBTM: Graph Based Troubleshooting Method for Handling Customer Cases Using Storage System Log. Lecture Notes in Computer Science, 2018, , 386-398.	1.3	0
195	Learning Information Dynamics in Online Social Media: A Temporal Point Process Perspective. Springer Proceedings in Complexity, 2019, , 205-236.	0.3	0
196	Non-link Preserving Network Embedding using Subspace Learning for Network Reconstruction. , 2019, , .		0
197	Demarcating Endogenous and Exogenous Opinion Dynamics: An Experimental Design Approach. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-25.	3.5	0
198	POSTER: Using Directional Antennas for Epidemic Routing in DTNs in Practice. Lecture Notes in Computer Science, 2013, , 458-460.	1.3	0

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199	Resource Constrained Randomized Coverage Strategies for Unstructured Networks. Intelligent Systems Reference Library, 2015, , 107-134.	1.2	0
200	Usage Based Tag Enhancement of Images. Lecture Notes in Computer Science, 2017, , 278-290.	1.3	0
201	Offsetting Unequal Competition Through RL-Assisted Incentive Schemes. IEEE Transactions on Computational Social Systems, 2023, 10, 285-296.	4.4	0
202	How stable are large superpeer networks against attack?. , 2007, , .		0