

Niloy Ganguly

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.

175 papers	1,960 citations	23 h-index	37 g-index
204 ext. papers	2,525 ext. citations	2.9 avg, IF	5.25 L-index

#	Paper	IF	Citations
175	Understanding and combating link farming in the twitter social network 2012 ,		181
174	Metrics for Community Analysis. <i>ACM Computing Surveys</i> , 2017 , 50, 1-37	13.4	106
173	Cognos 2012 ,		105
172	Stop Clickbait: Detecting and preventing clickbaits in online news media 2016 ,		98
171	Extracting Situational Information from Microblogs during Disaster Events 2015 ,		76
170	On the permanence of vertices in network communities 2014 ,		69
169	Inferring user interests in the Twitter social network 2014 ,		63
168	Online Public Shaming on Twitter: Detection, Analysis, and Mitigation. <i>IEEE Transactions on Computational Social Systems</i> , 2019 , 6, 208-220	4.5	37
167	2014 ,		34
166	Extracting and Summarizing Situational Information from the Twitter Social Media during Disasters. <i>ACM Transactions on the Web</i> , 2018 , 12, 1-35	3.2	31
165	Computer science fields as ground-truth communities 2013 ,		31
164	Identifying Sub-events and Summarizing Disaster-Related Information from Microblogs 2018 ,		30
163	Inferring who-is-who in the Twitter social network 2012 ,		28
162	Discriminative Link Prediction using Local, Community, and Global Signals. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 2057-2070	4.2	28
161	Summarizing Situational Tweets in Crisis Scenario 2016 ,		27
160	On sampling the wisdom of crowds 2013 ,		26
159	FairRec: Two-Sided Fairness for Personalized Recommendations in Two-Sided Platforms 2020 ,		26

158	Constant communities in complex networks. <i>Scientific Reports</i> , 2013 , 3, 1825	4.9	25
157	GenPerm: A Unified Method for Detecting Non-Overlapping and Overlapping Communities. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 2101-2114	4.2	24
156	Inferring who-is-who in the Twitter social network. <i>Computer Communication Review</i> , 2012 , 42, 533-538	1.4	24
155	Equality of Voice 2019 ,		24
154	Emotion detection from touch interactions during text entry on smartphones. <i>International Journal of Human Computer Studies</i> , 2019 , 130, 47-57	4.6	23
153	On the categorization of scientific citation profiles in computer science. <i>Communications of the ACM</i> , 2015 , 58, 82-90	2.5	23
152	Learning a Linear Influence Model from Transient Opinion Dynamics 2014 ,		22
151	Characterizing and Countering Communal Microblogs During Disaster Events. <i>IEEE Transactions on Computational Social Systems</i> , 2018 , 5, 403-417	4.5	21
150	TapSense 2017 ,		20
149	Smart Association Control in Wireless Mobile Environment Using Max-Flow. <i>IEEE Transactions on Network and Service Management</i> , 2012 , 9, 73-86	4.8	20
148	Unsupervised query segmentation using only query logs 2011 ,		20
147	Classifying and Summarizing Information from Microblogs During Epidemics. <i>Information Systems Frontiers</i> , 2018 , 20, 933-948	4	18
146	Sampling Content from Online Social Networks. <i>ACM Transactions on the Web</i> , 2015 , 9, 1-33	3.2	18
145	Deep Twitter diving 2014 ,		17
144	Summarizing Situational Tweets in Crisis Scenarios: An Extractive-Abstractive Approach. <i>IEEE Transactions on Computational Social Systems</i> , 2019 , 6, 981-993	4.5	16
143	Candid with YouTube 2017 ,		16
142	Self-organization of the Sound Inventories: Analysis and Synthesis of the Occurrence and Co-occurrence Networks of Consonants*. <i>Journal of Quantitative Linguistics</i> , 2009 , 16, 157-184	0.5	16
141	Correlations in complex networks under attack. <i>Physical Review E</i> , 2012 , 86, 036106	2.4	16

140	Understanding how both the partitions of a bipartite network affect its one-mode projection. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011 , 390, 3602-3607	3.3	15
139	UrbanEye: An outdoor localization system for public transport 2016 ,		14
138	Incremental Fairness in Two-Sided Market Platforms: On Smoothly Updating Recommendations. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 181-188	5	14
137	HotDASH: Hotspot Aware Adaptive Video Streaming Using Deep Reinforcement Learning 2018 ,		14
136	Citation interactions among computer science fields: a quantitative route to the rise and fall of scientific research. <i>Social Network Analysis and Mining</i> , 2014 , 4, 1	2.2	12
135	FeRoSA: A Faceted Recommendation System for Scientific Articles. <i>Lecture Notes in Computer Science</i> , 2016 , 528-541	0.9	12
134	Discovering and understanding word level user intent in Web search queries. <i>Web Semantics</i> , 2015 , 30, 22-38	2.9	11
133	Modeling discrete combinatorial systems as alphabetic bipartite networks: theory and applications. <i>Physical Review E</i> , 2010 , 81, 036103	2.4	11
132	Modeling broadcasting using omnidirectional and directional antenna in delay tolerant networks as an epidemic dynamics. <i>IEEE Journal on Selected Areas in Communications</i> , 2010 , 28, 524-531	14.2	11
131	Understanding Language Preference for Expression of Opinion and Sentiment: What do Hindi-English Speakers do on Twitter? 2016 ,		11
130	ADELE: Anomaly Detection from Event Log Empiricism 2018 ,		11
129	Understanding and modeling diverse scientific careers of researchers. <i>Journal of Informetrics</i> , 2015 , 9, 69-78	3.1	10
128	Sprinkler 2013 ,		10
127	SpammersTnetworks within online social networks 2011 ,		10
126	Notice of Removal: Characterizing communal microblogs during disaster events 2016 ,		10
125	Optimizing the Recency-Relevancy Trade-off in Online News Recommendations 2017 ,		9
124	ActivPass 2015 ,		9
123	Classifying Information from Microblogs during Epidemics 2017 ,		9

122	Discriminative Link Prediction Using Local Links, Node Features and Community Structure 2013 ,		9
121	An IR-based evaluation framework for web search query segmentation 2012 ,		9
120	MODELING THE CO-OCCURRENCE PRINCIPLES OF THE CONSONANT INVENTORIES: A COMPLEX NETWORK APPROACH. <i>International Journal of Modern Physics C</i> , 2007 , 18, 281-295	1.1	9
119	LMPP: A Large Margin Point Process Combining Reinforcement and Competition for Modeling Hashtag Popularity 2017 ,		9
118	Learning Network Traffic Dynamics Using Temporal Point Process 2019 ,		8
117	Optimizing the recency-relevance-diversity trade-offs in non-personalized news recommendations. <i>Information Retrieval</i> , 2019 , 22, 447-475	1.8	8
116	Permanence and Community Structure in Complex Networks. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2016 , 11, 1-34	4	8
115	Automatic Classification and Analysis of Interdisciplinary Fields in Computer Sciences 2013 ,		8
114	Tabloids in the Era of Social Media?. <i>Proceedings of the ACM on Human-Computer Interaction</i> , 2017 , 1, 1-21	3.4	8
113	Evaluating effectiveness of smartphone typing as an indicator of user emotion 2017 ,		8
112	Detecting overlapping communities in folksonomies 2012 ,		8
111	Analyzing the vulnerability of superpeer networks against attack 2007 ,		8
110	Comfride 2018 ,		8
109	Designing An Experience Sampling Method for Smartphone based Emotion Detection. <i>IEEE Transactions on Affective Computing</i> , 2019 , 1-1	5.7	7
108	Attack tolerance of correlated time-varying social networks with well-defined communities. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 420, 98-107	3.3	7
107	Demarcating Endogenous and Exogenous Opinion Diffusion Process on Social Networks 2018 ,		7
106	Time series analysis of temporal networks. <i>European Physical Journal B</i> , 2016 , 89, 1	1.2	7
105	2019 ,		7

104	Intergroup networks as random threshold graphs. <i>Physical Review E</i> , 2014 , 89, 042812	2.4	7
103	Smart-phone based Spatio-temporal Sensing for Annotated Transit Map Generation 2017 ,		6
102	STRM: A sister tweet reinforcement process for modeling hashtag popularity 2017 ,		6
101	Effects of a soft cut-off on node-degree in the Twitter social network. <i>Computer Communications</i> , 2012 , 35, 784-795	5.1	6
100	How do Superpeer Networks Emerge? 2010 ,		6
99	Identifying overlapping communities in folksonomies or tripartite hypergraphs 2011 ,		6
98	Generalized theory for node disruption in finite-size complex networks. <i>Physical Review E</i> , 2008 , 78, 026115	1.5	6
97	Syntactic complexity of Web search queries through the lenses of language models, networks and users. <i>Information Processing and Management</i> , 2016 , 52, 923-948	6.3	6
96	Link Travel Time Prediction from Large Scale Endpoint Data 2017 ,		5
95	An author is known by the context she keeps: significance of network motifs in scientific collaborations. <i>Social Network Analysis and Mining</i> , 2015 , 5, 1	2.2	5
94	Structure and Evolution of Online Social Networks. <i>Intelligent Systems Reference Library</i> , 2014 , 23-44	0.8	5
93	Coverage-maximization in networks under resource constraints. <i>Physical Review E</i> , 2010 , 81, 061124	2.4	5
92	On the Wisdom of Experts vs. Crowds 2016 ,		5
91	Unsupervised annotated city traffic map generation 2016 ,		5
90	Read what you need: Controllable Aspect-based Opinion Summarization of Tourist Reviews 2020 ,		5
89	A Large-Scale Study of the Twitter Follower Network to Characterize the Spread of Prescription Drug Abuse Tweets. <i>IEEE Transactions on Computational Social Systems</i> , 2019 , 6, 1232-1244	4.5	5
88	CRPP 2018 ,		5
87	Does emotion influence the use of auto-suggest during smartphone typing? 2019 ,		4

86	Identifying and Analyzing Different Aspects of English-Hindi Code-Switching in Twitter. <i>ACM Transactions on Asian and Low-Resource Language Information Processing</i> , 2019 , 18, 1-28	1.1	4
85	Exploiting Diversity in Android TLS Implementations for Mobile App Traffic Classification 2019 ,		4
84	Learning Linear Influence Models in Social Networks from Transient Opinion Dynamics. <i>ACM Transactions on the Web</i> , 2019 , 13, 1-33	3.2	4
83	2017 ,		4
82	SLANT+: A Nonlinear Model for Opinion Dynamics in Social Networks 2017 ,		4
81	Degree distributions of evolving alphabetic bipartite networks and their projections. <i>Theoretical Computer Science</i> , 2012 , 466, 20-36	1.1	4
80	Local learning of item dissimilarity using content and link structure 2012 ,		4
79	HPC5: An efficient topology generation mechanism for Gnutella networks. <i>Computer Networks</i> , 2010 , 54, 1440-1459	5.4	4
78	Anomalies in the Peer-review System 2016 ,		4
77	MVL: Multi-View Learning for News Recommendation 2020 ,		4
76	A Novel Two-stage Framework for Extracting Opinionated Sentences from News Articles 2014 ,		4
75	Multi-criteria online frame-subset selection for autonomous vehicle videos. <i>Pattern Recognition Letters</i> , 2020 , 133, 349-355	4.7	4
74	Identifying and Characterizing Sleeping Beauties on YouTube 2016 ,		4
73	A Generic Opinion-Fact Classifier with Application in Understanding Opinionatedness in Various News Section 2017 ,		3
72	Towards designing an intelligent experience sampling method for emotion detection 2017 ,		3
71	Impact of experience sampling methods on tap pattern based emotion recognition 2015 ,		3
70	Epidemic spreading through direct and indirect interactions. <i>Physical Review E</i> , 2014 , 90, 032808	2.4	3
69	Fair bandwidth allocation in wireless mobile environment using max-flow 2010 ,		3

68	2012,		3
67	REDISCOVERING THE CO-OCCURRENCE PRINCIPLES OF VOWEL INVENTORIES: A COMPLEX NETWORK APPROACH. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2008 , 11, 371-392	0.8	3
66	Effectiveness of Deep Neural Network Model in Typing-based Emotion Detection on Smartphones 2018,		3
65	A Deep Generative Model for Code Switched Text 2019,		3
64	CRIMP: Here crisis mapping goes offline. <i>Journal of Network and Computer Applications</i> , 2019, 146, 102418	1.8	2
63	Identifying Multi-dimensional Information from Microblogs During Epidemics 2019,		2
62	A Smartphone-Based Passenger Assistant for Public Bus Commute in Developing Countries. <i>IEEE Transactions on Computational Social Systems</i> , 2020, 7, 465-476	4.5	2
61	One for the Road: Recommending Male Street Attire. <i>Lecture Notes in Computer Science</i> , 2018, 571-582	0.9	2
60	Editorial Algorithms 2018,		2
59	Editorial Versus Audience Gatekeeping: Analyzing News Selection and Consumption Dynamics in Online News Media. <i>IEEE Transactions on Computational Social Systems</i> , 2019, 6, 680-691	4.5	2
58	Rising popularity of interdisciplinary research [An analysis of citation networks 2014,		2
57	Improving unsupervised query segmentation using parts-of-speech sequence information 2014,		2
56	Some insights on the recent spate of accidents in Indian Railways. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 2917-2929	3.3	2
55	Understanding Evolution of Inter-Group Relationships Using Bipartite Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2013, 31, 584-594	14.2	2
54	Extracting Social Lists from Twitter 2017,		2
53	Automatic classification of scientific groups as productive: An approach based on motif analysis 2014,		2
52	Framework for Collaborative Download in Wireless Mobile Environment 2012,		2
51	Coverage maximization under resource constraints using a nonuniform proliferating random walk. <i>Physical Review E</i> , 2013, 87, 022807	2.4	2

50	Fair bandwidth allocation in wireless network using max-flow 2010 ,		2
49	Modelling the Redundancy of Human Speech Sound Inventories: An Information Theoretic Approach. <i>Journal of Quantitative Linguistics</i> , 2010 , 17, 317-343	0.5	2
48	2011 ,		2
47	Community formation and search in P2P: A robust and self-adjusting algorithm 2009 ,		2
46	Information dissemination dynamics in delay tolerant network 2012 ,		2
45	Distributed content storage for just-in-time streaming. <i>Computer Communication Review</i> , 2012 , 42, 77-78.	0.4	2
44	Stability analysis of peer-to-peer networks against churn 2008 , 71, 263-273		2
43	Measuring robustness of superpeer topologies 2007 ,		2
42	A GAN-based Framework for Modeling Hashtag Popularity Dynamics Using Assistive Information 2020 ,		2
41	Towards Safety and Sustainability: Designing Local Recommendations for Post-pandemic World 2020 ,		2
40	Understanding data traffic behaviour for smartphone video and audio apps 2016 ,		2
39	Analyzing the News Coverage of Personalized Newspapers 2018 ,		2
38	Understanding the Usage of Idioms in the Twitter Social Network 2017 , 767-788		1
37	Understanding Brand Consistency from Web Content 2019 ,		1
36	Effect of constraints on superpeer topologies 2013 ,		1
35	Analysis of the Co-purchase Network of Products to Predict Amazon Sales-Rank. <i>Lecture Notes in Computer Science</i> , 2017 , 197-214	0.9	1
34	Mining Twitter and Taxi Data for Predicting Taxi Pickup Hotspots 2017 ,		1
33	Place value 2013 ,		1

32	ON COVERAGE BOUNDS OF UNSTRUCTURED PEER-TO-PEER NETWORKS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2011 , 14, 611-633	0.8	1
31	How stable are large superpeer networks against attack? 2007 ,		1
30	Toward Fair Recommendation in Two-sided Platforms. <i>ACM Transactions on the Web</i> , 2022 , 16, 1-34	3.2	1
29	Discovering and Understanding Word Level User Intent in Web Search Queries. <i>SSRN Electronic Journal</i> ,	1	1
28	HPC5: An Efficient Topology Generation Mechanism for Gnutella Networks. <i>Lecture Notes in Computer Science</i> , 2008 , 114-126	0.9	1
27	Improving Document Ranking for Long Queries with Nested Query Segmentation. <i>Lecture Notes in Computer Science</i> , 2016 , 775-781	0.9	1
26	Formal Understanding of the Emergence of Superpeer Networks: A Complex Network Approach. <i>Lecture Notes in Computer Science</i> , 2010 , 219-230	0.9	1
25	Modeling Inter-process Dynamics in Competitive Temporal Point Processes. <i>Journal of the Indian Institute of Science</i> , 2021 , 101, 455	2.4	1
24	Threshold-based epidemic dynamics in systems with memory. <i>Europhysics Letters</i> , 2016 , 116, 48004	1.6	1
23	Brokerage-based attack on real world temporal networks. <i>Network Science</i> , 2016 , 4, 446-459	2.9	1
22	Representation Learning for Emotion Recognition from Smartphone Keyboard Interactions 2019 ,		1
21	The positive and negative effects of social media in India. <i>Communications of the ACM</i> , 2019 , 62, 98-99	2.5	1
20	. <i>IEEE Transactions on Mobile Computing</i> , 2019 , 18, 2686-2700	4.6	1
19	. <i>IEEE Transactions on Computational Social Systems</i> , 2018 , 5, 1083-1095	4.5	1
18	An Integrated Approach for Improving Brand Consistency of Web Content. <i>ACM Transactions on the Web</i> , 2021 , 15, 1-25	3.2	0
17	On the effectiveness of the scientific peer-review system: a case study of the Journal of High Energy Physics. <i>International Journal on Digital Libraries</i> , 2020 , 21, 93-107	1.4	0
16	Recommendation of Compatible Outfits Conditioned on Style. <i>Lecture Notes in Computer Science</i> , 2022 , 35-50	0.9	0
15	Coverage maximization under resource constraints using proliferating random walks 2015 , 84, 273-284		

14	GBTM: Graph Based Troubleshooting Method for Handling Customer Cases Using Storage System Log. <i>Lecture Notes in Computer Science</i> , 2018 , 386-398	0.9
13	Learning Information Dynamics in Online Social Media: A Temporal Point Process Perspective. <i>Springer Proceedings in Complexity</i> , 2019 , 205-236	0.3
12	Evolution of superpeer topologies [An analytical perspective. <i>Pervasive and Mobile Computing</i> , 2017 , 40, 339-358	3.5
11	UNDERSTANDING THE CORRELATION OF THE PROPERTIES OF HUMAN MOVEMENT PATTERNS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2014 , 17, 1450019	0.8
10	Effect of attachment strategies on bipartite networks. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2
9	Fair bandwidth allocation in wireless network using max-flow. <i>Computer Communication Review</i> , 2010 , 40, 407-408	1.4
8	Offsetting Unequal Competition Through RL-Assisted Incentive Schemes. <i>IEEE Transactions on Computational Social Systems</i> , 2022 , 1-12	4.5
7	Towards an Aspect-Based Ranking Model for Clinical Trial Search. <i>Lecture Notes in Computer Science</i> , 2019 , 209-222	0.9
6	Resource Constrained Randomized Coverage Strategies for Unstructured Networks. <i>Intelligent Systems Reference Library</i> , 2015 , 107-134	0.8
5	Usage Based Tag Enhancement of Images. <i>Lecture Notes in Computer Science</i> , 2017 , 278-290	0.9
4	Assessing the Effects of a Soft Cut-Off in the Twitter Social Network. <i>Lecture Notes in Computer Science</i> , 2011 , 288-300	0.9
3	POSTER: Using Directional Antennas for Epidemic Routing in DTNs in Practice. <i>Lecture Notes in Computer Science</i> , 2013 , 458-460	0.9
2	Demarcating Endogenous and Exogenous Opinion Dynamics: An Experimental Design Approach. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2021 , 15, 1-25	4
1	Online Social Networks to Foster Long-Term Welfare. <i>GetMobile (New York, N Y)</i> , 2019 , 23, 5-8	0.8