

Niloy Ganguly

List of Publications by Year in Descending Order

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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	Offsetting Unequal Competition Through RL-Assisted Incentive Schemes. <i>IEEE Transactions on Computational Social Systems</i> , 2022 , 1-12	4.5	
174	Toward Fair Recommendation in Two-sided Platforms. <i>ACM Transactions on the Web</i> , 2022 , 16, 1-34	3.2	1
173	Recommendation of Compatible Outfits Conditioned on Style. <i>Lecture Notes in Computer Science</i> , 2022 , 35-50	0.9	0
172	An Integrated Approach for Improving Brand Consistency of Web Content. <i>ACM Transactions on the Web</i> , 2021 , 15, 1-25	3.2	0
171	Demarcating Endogenous and Exogenous Opinion Dynamics: An Experimental Design Approach. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2021 , 15, 1-25	4	
170	Modeling Inter-process Dynamics in Competitive Temporal Point Processes. <i>Journal of the Indian Institute of Science</i> , 2021 , 101, 455	2.4	1
169	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
168	A GAN-based Framework for Modeling Hashtag Popularity Dynamics Using Assistive Information 2020 ,		2
167	FairRec: Two-Sided Fairness for Personalized Recommendations in Two-Sided Platforms 2020 ,		26
166	Towards Safety and Sustainability: Designing Local Recommendations for Post-pandemic World 2020 ,		2
165	Read what you need: Controllable Aspect-based Opinion Summarization of Tourist Reviews 2020 ,		5
164	MVL: Multi-View Learning for News Recommendation 2020 ,		4
163	Multi-criteria online frame-subset selection for autonomous vehicle videos. <i>Pattern Recognition Letters</i> , 2020 , 133, 349-355	4.7	4
162	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
161	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
160	Understanding Brand Consistency from Web Content 2019 ,		1
159	CRIMP: Here crisis mapping goes offline. <i>Journal of Network and Computer Applications</i> , 2019 , 146, 102418	1.8	2

158	Identifying Multi-dimensional Information from Microblogs During Epidemics 2019 ,		2
157	Learning Network Traffic Dynamics Using Temporal Point Process 2019 ,		8
156	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
155	Designing An Experience Sampling Method for Smartphone based Emotion Detection. <i>IEEE Transactions on Affective Computing</i> , 2019 , 1-1	5.7	7
154	Online Public Shaming on Twitter: Detection, Analysis, and Mitigation. <i>IEEE Transactions on Computational Social Systems</i> , 2019 , 6, 208-220	4.5	37
153	Optimizing the recency-relevance-diversity trade-offs in non-personalized news recommendations. <i>Information Retrieval</i> , 2019 , 22, 447-475	1.8	8
152	Does emotion influence the use of auto-suggest during smartphone typing? 2019 ,		4
151	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
150	2019 ,		7
149	Learning Information Dynamics in Online Social Media: A Temporal Point Process Perspective. <i>Springer Proceedings in Complexity</i> , 2019 , 205-236	0.3	
148	Exploiting Diversity in Android TLS Implementations for Mobile App Traffic Classification 2019 ,		4
147	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
146	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
145	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
144	Equality of Voice 2019 ,		24
143	A Deep Generative Model for Code Switched Text 2019 ,		3
142	Towards an Aspect-Based Ranking Model for Clinical Trial Search. <i>Lecture Notes in Computer Science</i> , 2019 , 209-222	0.9	
141	Representation Learning for Emotion Recognition from Smartphone Keyboard Interactions 2019 ,		1

140	Online Social Networks to Foster Long-Term Welfare. <i>GetMobile (New York, N Y)</i> , 2019 , 23, 5-8	0.8	
139	The positive and negative effects of social media in India. <i>Communications of the ACM</i> , 2019 , 62, 98-99	2.5	1
138	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
137	. <i>IEEE Transactions on Mobile Computing</i> , 2019 , 18, 2686-2700	4.6	1
136	Demarcating Endogenous and Exogenous Opinion Diffusion Process on Social Networks 2018 ,		7
135	Classifying and Summarizing Information from Microblogs During Epidemics. <i>Information Systems Frontiers</i> , 2018 , 20, 933-948	4	18
134	Characterizing and Countering Communal Microblogs During Disaster Events. <i>IEEE Transactions on Computational Social Systems</i> , 2018 , 5, 403-417	4.5	21
133	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	
132	Identifying Sub-events and Summarizing Disaster-Related Information from Microblogs 2018 ,		30
131	One for the Road: Recommending Male Street Attire. <i>Lecture Notes in Computer Science</i> , 2018 , 571-582	0.9	2
130	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
129	Editorial Algorithms 2018 ,		2
128	Effectiveness of Deep Neural Network Model in Typing-based Emotion Detection on Smartphones 2018 ,		3
127	HotDASH: Hotspot Aware Adaptive Video Streaming Using Deep Reinforcement Learning 2018 ,		14
126	ADELE: Anomaly Detection from Event Log Empiricism 2018 ,		11
125	Analyzing the News Coverage of Personalized Newspapers 2018 ,		2
124	. <i>IEEE Transactions on Computational Social Systems</i> , 2018 , 5, 1083-1095	4.5	1
123	CRPP 2018 ,		5

122	Comfride 2018 ,		8
121	Optimizing the Recency-Relevancy Trade-off in Online News Recommendations 2017 ,		9
120	Understanding the Usage of Idioms in the Twitter Social Network 2017 , 767-788		1
119	A Generic Opinion-Fact Classifier with Application in Understanding Opinionatedness in Various News Section 2017 ,		3
118	TapSense 2017 ,		20
117	Smart-phone based Spatio-temporal Sensing for Annotated Transit Map Generation 2017 ,		6
116	Metrics for Community Analysis. <i>ACM Computing Surveys</i> , 2017 , 50, 1-37	13.4	106
115	Towards designing an intelligent experience sampling method for emotion detection 2017 ,		3
114	2017 ,		4
113	Evolution of superpeer topologies [An analytical perspective. <i>Pervasive and Mobile Computing</i> , 2017 , 40, 339-358	3.5	
112	Candid with YouTube 2017 ,		16
111	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
110	Tabloids in the Era of Social Media?. <i>Proceedings of the ACM on Human-Computer Interaction</i> , 2017 , 1, 1-21	3.4	8
109	Classifying Information from Microblogs during Epidemics 2017 ,		9
108	Link Travel Time Prediction from Large Scale Endpoint Data 2017 ,		5
107	Evaluating effectiveness of smartphone typing as an indicator of user emotion 2017 ,		8
106	Mining Twitter and Taxi Data for Predicting Taxi Pickup Hotspots 2017 ,		1
105	Extracting Social Lists from Twitter 2017 ,		2

104	STRM: A sister tweet reinforcement process for modeling hashtag popularity 2017 ,		6
103	SLANT+: A Nonlinear Model for Opinion Dynamics in Social Networks 2017 ,		4
102	LMPP: A Large Margin Point Process Combining Reinforcement and Competition for Modeling Hashtag Popularity 2017 ,		9
101	Usage Based Tag Enhancement of Images. <i>Lecture Notes in Computer Science</i> , 2017 , 278-290	0.9	
100	UrbanEye: An outdoor localization system for public transport 2016 ,		14
99	Permanence and Community Structure in Complex Networks. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2016 , 11, 1-34	4	8
98	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
97	Time series analysis of temporal networks. <i>European Physical Journal B</i> , 2016 , 89, 1	1.2	7
96	On the Wisdom of Experts vs. Crowds 2016 ,		5
95	Anomalies in the Peer-review System 2016 ,		4
94	Unsupervised annotated city traffic map generation 2016 ,		5
93	Understanding Language Preference for Expression of Opinion and Sentiment: What do Hindi-English Speakers do on Twitter? 2016 ,		11
92	FeRoSA: A Faceted Recommendation System for Scientific Articles. <i>Lecture Notes in Computer Science</i> , 2016 , 528-541	0.9	12
91	Improving Document Ranking for Long Queries with Nested Query Segmentation. <i>Lecture Notes in Computer Science</i> , 2016 , 775-781	0.9	1
90	Stop Clickbait: Detecting and preventing clickbaits in online news media 2016 ,		98
89	Threshold-based epidemic dynamics in systems with memory. <i>Europhysics Letters</i> , 2016 , 116, 48004	1.6	1
88	Notice of Removal: Characterizing communal microblogs during disaster events 2016 ,		10
87	Brokerage-based attack on real world temporal networks. <i>Network Science</i> , 2016 , 4, 446-459	2.9	1

86	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
85	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
84	Understanding data traffic behaviour for smartphone video and audio apps 2016 ,		2
83	Summarizing Situational Tweets in Crisis Scenario 2016 ,		27
82	Identifying and Characterizing Sleeping Beauties on YouTube 2016 ,		4
81	Discovering and understanding word level user intent in Web search queries. <i>Web Semantics</i> , 2015 , 30, 22-38	2.9	11
80	Coverage maximization under resource constraints using proliferating random walks 2015 , 84, 273-284		
79	ActivPass 2015 ,		9
78	On the categorization of scientific citation profiles in computer science. <i>Communications of the ACM</i> , 2015 , 58, 82-90	2.5	23
77	Extracting Situational Information from Microblogs during Disaster Events 2015 ,		76
76	Understanding and modeling diverse scientific careers of researchers. <i>Journal of Informetrics</i> , 2015 , 9, 69-78	3.1	10
75	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
74	Impact of experience sampling methods on tap pattern based emotion recognition 2015 ,		3
73	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
72	Sampling Content from Online Social Networks. <i>ACM Transactions on the Web</i> , 2015 , 9, 1-33	3.2	18
71	Resource Constrained Randomized Coverage Strategies for Unstructured Networks. <i>Intelligent Systems Reference Library</i> , 2015 , 107-134	0.8	
70	Rising popularity of interdisciplinary research □An analysis of citation networks 2014 ,		2
69	Improving unsupervised query segmentation using parts-of-speech sequence information 2014 ,		2

68	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
67	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	
66	Structure and Evolution of Online Social Networks. <i>Intelligent Systems Reference Library</i> , 2014 , 23-44	0.8	5
65	Deep Twitter diving 2014 ,		17
64	On the permanence of vertices in network communities 2014 ,		69
63	Learning a Linear Influence Model from Transient Opinion Dynamics 2014 ,		22
62	Automatic classification of scientific groups as productive: An approach based on motif analysis 2014 ,		2
61	Intergroup networks as random threshold graphs. <i>Physical Review E</i> , 2014 , 89, 042812	2.4	7
60	Epidemic spreading through direct and indirect interactions. <i>Physical Review E</i> , 2014 , 90, 032808	2.4	3
59	Inferring user interests in the Twitter social network 2014 ,		63
58	2014 ,		34
57	A Novel Two-stage Framework for Extracting Opinionated Sentences from News Articles 2014 ,		4
56	Automatic Classification and Analysis of Interdisciplinary Fields in Computer Sciences 2013 ,		8
55	Effect of constraints on superpeer topologies 2013 ,		1
54	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
53	Effect of attachment strategies on bipartite networks. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	
52	On sampling the wisdom of crowds 2013 ,		26
51	Computer science fields as ground-truth communities 2013 ,		31

50	Sprinkler 2013 ,		10
49	Coverage maximization under resource constraints using a nonuniform proliferating random walk. <i>Physical Review E</i> , 2013 , 87, 022807	2.4	2
48	Discriminative Link Prediction Using Local Links, Node Features and Community Structure 2013 ,		9
47	Constant communities in complex networks. <i>Scientific Reports</i> , 2013 , 3, 1825	4.9	25
46	Place value 2013 ,		1
45	POSTER: Using Directional Antennas for Epidemic Routing in DTNs in Practice. <i>Lecture Notes in Computer Science</i> , 2013 , 458-460	0.9	
44	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
43	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
42	Framework for Collaborative Download in Wireless Mobile Environment 2012 ,		2
41	Degree distributions of evolving alphabetic bipartite networks and their projections. <i>Theoretical Computer Science</i> , 2012 , 466, 20-36	1.1	4
40	Understanding and combating link farming in the twitter social network 2012 ,		181
39	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
38	Local learning of item dissimilarity using content and link structure 2012 ,		4
37	Information dissemination dynamics in delay tolerant network 2012 ,		2
36	Cognos 2012 ,		105
35	Detecting overlapping communities in folksonomies 2012 ,		8
34	Inferring who-is-who in the Twitter social network 2012 ,		28
33	An IR-based evaluation framework for web search query segmentation 2012 ,		9

32	2012,			3
31	Correlations in complex networks under attack. <i>Physical Review E</i> , 2012 , 86, 036106		2.4	16
30	Inferring who-is-who in the Twitter social network. <i>Computer Communication Review</i> , 2012 , 42, 533-538	1.4		24
29	Distributed content storage for just-in-time streaming. <i>Computer Communication Review</i> , 2012 , 42, 77-78	1.4		2
28	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
27	2011,			2
26	SpammersTnetworks within online social networks 2011,			10
25	Unsupervised query segmentation using only query logs 2011,			20
24	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
23	Identifying overlapping communities in folksonomies or tripartite hypergraphs 2011,			6
22	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	
21	Coverage-maximization in networks under resource constraints. <i>Physical Review E</i> , 2010 , 81, 061124		2.4	5
20	Modeling discrete combinatorial systems as alphabetic bipartite networks: theory and applications. <i>Physical Review E</i> , 2010 , 81, 036103		2.4	11
19	Fair bandwidth allocation in wireless network using max-flow 2010,			2
18	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
17	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
16	Fair bandwidth allocation in wireless mobile environment using max-flow 2010,			3
15	How do Superpeer Networks Emerge? 2010,			6

14	Fair bandwidth allocation in wireless network using max-flow. <i>Computer Communication Review</i> , 2010 , 40, 407-408	1.4	
13	HPC5: An efficient topology generation mechanism for Gnutella networks. <i>Computer Networks</i> , 2010 , 54, 1440-1459	5.4	4
12	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
11	Community formation and search in P2P: A robust and self-adjusting algorithm 2009 ,		2
10	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
9	Generalized theory for node disruption in finite-size complex networks. <i>Physical Review E</i> , 2008 , 78, 026115	1.5	6
8	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
7	Stability analysis of peer-to-peer networks against churn 2008 , 71, 263-273		2
6	HPC5: An Efficient Topology Generation Mechanism for Gnutella Networks. <i>Lecture Notes in Computer Science</i> , 2008 , 114-126	0.9	1
5	How stable are large superpeer networks against attack? 2007 ,		1
4	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
3	Analyzing the vulnerability of superpeer networks against attack 2007 ,		8
2	Measuring robustness of superpeer topologies 2007 ,		2
1	Discovering and Understanding Word Level User Intent in Web Search Queries. <i>SSRN Electronic Journal</i> ,	1	1