

Huan Liu

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.

182
papers

10,662
citations

51
h-index

100
g-index

205
ext. papers

13,807
ext. citations

3.5
avg, IF

7.06
L-index

#	Paper	IF	Citations
182	Evaluation Methods and Measures for Causal Learning Algorithms. <i>IEEE Transactions on Artificial Intelligence</i> , 2022 , 1-1	4.7	0
181	Blockchain-Based Offline Auditing for the Cloud in Vehicular Networks. <i>IEEE Transactions on Network and Service Management</i> , 2022 , 1-1	4.8	0
180	Characterizing multi-domain false news and underlying user effects on Chinese Weibo. <i>Information Processing and Management</i> , 2022 , 59, 102959	6.3	0
179	Causal inference for time series analysis: problems, methods and evaluation. <i>Knowledge and Information Systems</i> , 2021 , 63, 3041-3085	2.4	4
178	Session-Based Cyberbullying Detection: Problems and Challenges. <i>IEEE Internet Computing</i> , 2021 , 25, 66-72	2.4	3
177	Few-shot Network Anomaly Detection via Cross-network Meta-learning 2021 ,		7
176	Efficient Continuous Big Data Integrity Checking for Decentralized Storage. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 8, 1658-1673	4.9	6
175	. <i>IEEE Transactions on Artificial Intelligence</i> , 2021 , 2, 109-127	4.7	28
174	Integrating Multimodal and Longitudinal Neuroimaging Data with Multi-Source Network Representation Learning. <i>Neuroinformatics</i> , 2021 , 1	3.2	0
173	To Your Surprise: Identifying Serendipitous Collaborators. <i>IEEE Transactions on Big Data</i> , 2021 , 7, 574-589	3.2	8
172	Incremental one-class collaborative filtering with co-evolving side networks. <i>Knowledge and Information Systems</i> , 2021 , 63, 105-124	2.4	1
171	Social Bots and Their Coordination During Online Campaigns: A Survey. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 1-16	4.5	1
170	Learning Shared Mobility-aware Knowledge for Multiple Urban Travel Demands. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	0
169	Guest Editorial Computational Social Systems for COVID-19 Emergency Management and Beyond. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 8, 928-929	4.5	0
168	Profiling Fake News Spreaders on Social Media through Psychological and Motivational Factors 2021 ,		3
167	Spatial Community-Informed Evolving Graphs for Demand Prediction. <i>Lecture Notes in Computer Science</i> , 2021 , 440-456	0.9	1
166	Detecting Fake News With Weak Social Supervision. <i>IEEE Intelligent Systems</i> , 2020 , 1-1	4.2	4

165	FakeNewsNet: A Data Repository with News Content, Social Context, and Spatiotemporal Information for Studying Fake News on Social Media. <i>Big Data</i> , 2020 , 8, 171-188	3.1	110
164	Detecting Pattern Anomalies in Hydrological Time Series with Weighted Probabilistic Suffix Trees. <i>Water (Switzerland)</i> , 2020 , 12, 1464	3	0
163	Joint Spatial and Temporal Modeling for Hydrological Prediction. <i>IEEE Access</i> , 2020 , 8, 78492-78503	3.5	3
162	Toward A Multilingual and Multimodal Data Repository for COVID-19 Disinformation 2020 ,		2
161	Graph Prototypical Networks for Few-shot Learning on Attributed Networks 2020 ,		9
160	Unsupervised Cyberbullying Detection via Time-Informed Gaussian Mixture Model 2020 ,		9
159	A Survey of Learning Causality with Data. <i>ACM Computing Surveys</i> , 2020 , 53, 1-37	13.4	27
158	Be More with Less: Hypergraph Attention Networks for Inductive Text Classification 2020 ,		14
157	Inductive Anomaly Detection on Attributed Networks 2020 ,		9
156	Mining Disinformation and Fake News: Concepts, Methods, and Recent Advancements. <i>Lecture Notes in Social Networks</i> , 2020 , 1-19	0.6	13
155	Combating disinformation in a social media age. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2020 , 10, e1385	6.9	8
154	Collaborative Filtering with Network Representation Learning for Citation Recommendation. <i>IEEE Transactions on Big Data</i> , 2020 , 1-1	3.2	10
153	dEFEND 2019 ,		108
152	Robust Cyberbullying Detection with Causal Interpretation 2019 ,		13
151	Signed Link Prediction with Sparse Data: The Role of Personality Information 2019 ,		4
150	Interactive Anomaly Detection on Attributed Networks 2019 ,		27
149	Beyond News Contents 2019 ,		134
148	Toward Keyword Extraction in Constrained Information Retrieval in Vehicle Social Network. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 4285-4294	6.8	9

147	Towards privacy preserving social recommendation under personalized privacy settings. <i>World Wide Web</i> , 2019 , 22, 2853-2881	2.9	9
146	Hierarchical Attention Networks for Cyberbullying Detection on the Instagram Social Network 2019 , 235-243		25
145	Deep Anomaly Detection on Attributed Networks 2019 , 594-602		53
144	Academic Team Formulation Based on Liebig's Barrel: Discovery of Anticask Effect. <i>IEEE Transactions on Computational Social Systems</i> , 2019 , 6, 1083-1094	4.5	11
143	Detecting Fake News on Social Media. <i>Synthesis Lectures on Data Mining and Knowledge Discovery</i> , 2019 , 11, 1-129	1.3	13
142	Unsupervised Fake News Detection on Social Media: A Generative Approach. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 5644-5651	5	66
141	Misinformation in Social Media. <i>SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining</i> , 2019 , 21, 80-90	4.6	65
140	PI-Bully: Personalized Cyberbullying Detection with Peer Influence 2019 ,		9
139	Bot Detection: Will Focusing on Recall Cause Overall Performance Deterioration?. <i>Lecture Notes in Computer Science</i> , 2019 , 39-49	0.9	2
138	XBully 2019 ,		34
137	Abductive Causal Reasoning for Internet of Things 2019 ,		1
136	The role of user profiles for fake news detection 2019 ,		44
135	FakeNewsTracker: a tool for fake news collection, detection, and visualization. <i>Computational and Mathematical Organization Theory</i> , 2019 , 25, 60-71	2.1	56
134	Studying Fake News via Network Analysis: Detection and Mitigation. <i>Lecture Notes in Social Networks</i> , 2019 , 43-65	0.6	36
133	Tracing Fake-News Footprints 2018 ,		108
132	CrossFire 2018 ,		12
131	Streaming Link Prediction on Dynamic Attributed Networks 2018 ,		15
130	Exploring Hierarchical Structures for Recommender Systems. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018 , 30, 1022-1035	4.2	25

129	Understanding User Profiles on Social Media for Fake News Detection 2018 ,		86
128	INITIATOR: Noise-contrastive Estimation for Marked Temporal Point Process 2018 ,		3
127	ANOMALOUS: A Joint Modeling Approach for Anomaly Detection on Attributed Networks 2018 ,		21
126	Multimodal Fusion of Brain Networks with Longitudinal Couplings. <i>Lecture Notes in Computer Science</i> , 2018 , 11072, 3-11	0.9	3
125	Toward online node classification on streaming networks. <i>Data Mining and Knowledge Discovery</i> , 2018 , 32, 231-257	5.6	23
124	Adaptive Implicit Friends Identification over Heterogeneous Network for Social Recommendation 2018 ,		38
123	SlangSD: building, expanding and using a sentiment dictionary of slang words for short-text sentiment classification. <i>Language Resources and Evaluation</i> , 2018 , 52, 839-852	1.8	15
122	Social Cyber-Security. <i>Lecture Notes in Computer Science</i> , 2018 , 389-394	0.9	20
121	Exploiting Multilabel Information for Noise-Resilient Feature Selection. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2018 , 9, 1-23	8	2
120	Legislative prediction with dual uncertainty minimization from heterogeneous information. <i>Statistical Analysis and Data Mining</i> , 2017 , 10, 107-120	1.4	1
119	Big Scholarly Data: A Survey. <i>IEEE Transactions on Big Data</i> , 2017 , 3, 18-35	3.2	155
118	Recent advances in feature selection and its applications. <i>Knowledge and Information Systems</i> , 2017 , 53, 551-577	2.4	126
117	Toward Personalized Relational Learning 2017 , 444-452		11
116	Unsupervised Feature Selection in Signed Social Networks 2017 ,		39
115	Discovering, assessing, and mitigating data bias in social media. <i>Online Social Networks and Media</i> , 2017 , 1, 1-13	3.3	21
114	Attributed Network Embedding for Learning in a Dynamic Environment 2017 ,		140
113	Fake News Detection on Social Media. <i>SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining</i> , 2017 , 19, 22-36	4.6	876
112	Radar: Residual Analysis for Anomaly Detection in Attributed Networks 2017 ,		32

111	Learning Homophily Couplings from Non-IID Data for Joint Feature Selection and Noise-Resilient Outlier Detection 2017 ,		17
110	Sentiment Informed Cyberbullying Detection in Social Media. <i>Lecture Notes in Computer Science</i> , 2017 , 52-67	0.9	28
109	A Survey of Signed Network Mining in Social Media. <i>ACM Computing Surveys</i> , 2016 , 49, 1-37	13.4	124
108	Robust Unsupervised Feature Selection on Networked Data 2016 ,		25
107	Exploring characteristics of suspended users and network stability on Twitter. <i>Social Network Analysis and Mining</i> , 2016 , 6, 1	2.2	14
106	Directed dynamical influence is more detectable with noise. <i>Scientific Reports</i> , 2016 , 6, 24088	4.9	14
105	PPP: Joint Pointwise and Pairwise Image Label Prediction 2016 ,		10
104	A Novel Measure for Coherence in Statistical Topic Models 2016 ,		6
103	An Overview of Sentiment Analysis in Social Media and Its Applications in Disaster Relief. <i>Studies in Computational Intelligence</i> , 2016 , 313-340	0.8	77
102	Unsupervised Feature Selection for Outlier Detection by Modelling Hierarchical Value-Feature Couplings 2016 ,		20
101	Toward Time-Evolving Feature Selection on Dynamic Networks 2016 ,		26
100	Can One Tamper with the Sample API? 2016 ,		7
99	A new approach to bot detection: Striking the balance between precision and recall 2016 ,		65
98	Recommendations in Signed Social Networks 2016 ,		50
97	The good, the bad, and the ugly: uncovering novel research opportunities in social media mining. <i>International Journal of Data Science and Analytics</i> , 2016 , 1, 137-143	2	18
96	Embracing Information Explosion without Choking: Clustering and Labeling in Microblogging. <i>IEEE Transactions on Big Data</i> , 2015 , 1, 35-46	3.2	5
95	Negative Link Prediction in Social Media 2015 ,		65
94	Trust Evolution: Modeling and Its Applications. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2015 , 27, 1724-1738	4.2	16

93	Trust in Social Media. <i>Synthesis Lectures on Information Security Privacy and Trust</i> , 2015 , 10, 1-129	1	15
92	10 Bits of Surprise 2015 ,		18
91	User Identification Across Social Media. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2015 , 10, 1-30	4	48
90	Addressing the cold-start problem in location recommendation using geo-social correlations. <i>Data Mining and Knowledge Discovery</i> , 2015 , 29, 299-323	5.6	37
89	The Fragility of Twitter Social Networks Against Suspended Users 2015 ,		14
88	Exploring a Scalable Solution to Identifying Events in Noisy Twitter Streams 2015 ,		7
87	Text, Topics, and Turkers 2015 ,		3
86	Evaluation without ground truth in social media research. <i>Communications of the ACM</i> , 2015 , 58, 54-60	2.5	26
85	Finding the Right Social Media Site for Questions 2015 ,		3
84	Real-Time Crisis Mapping Using Language Distribution 2015 ,		3
83	Online diffusion source detection in social networks 2015 ,		1
82	Context-Aware Experience Extraction from Online Health Forums 2015 ,		5
81	Unsupervised Streaming Feature Selection in Social Media 2015 ,		41
80	Twitter Data Analytics. <i>SpringerBriefs in Computer Science</i> , 2014 ,	0.4	100
79	Feature Selection for Social Media Data. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2014 , 8, 1-27	4	14
78	An Unsupervised Feature Selection Framework for Social Media Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 2914-2927	4.2	42
77	Embassies burning: toward a near-real-time assessment of social media using geo-temporal dynamic network analytics. <i>Social Network Analysis and Mining</i> , 2014 , 4, 1	2.2	4
76	Mining social media with social theories. <i>SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining</i> , 2014 , 15, 20-29	4.6	72

75	Trust in social computing 2014 ,		9
74	Temporal dynamics in social trust prediction. <i>Wuhan University Journal of Natural Sciences</i> , 2014 , 19, 369-378		7
73	Scaling and correlation of human movements in cyberspace and physical space. <i>Physical Review E</i> , 2014 , 90, 050802	2.4	23
72	Social Role Identification via Dual Uncertainty Minimization Regularization 2014 ,		7
71	Data Analysis on Location-Based Social Networks 2014 , 165-194		42
70	Discovering social events through online attention. <i>PLoS ONE</i> , 2014 , 9, e102001	3.7	7
69	Social Media Mining: An Introduction 2014 ,		255
68	Learning with multi-resolution overlapping communities. <i>Knowledge and Information Systems</i> , 2013 , 36, 517-535	2.4	17
67	Exploiting social relations for sentiment analysis in microblogging 2013 ,		189
66	Context-aware review helpfulness rating prediction 2013 ,		29
65	Connecting users across social media sites 2013 ,		226
64	Measuring User Credibility in Social Media. <i>Lecture Notes in Computer Science</i> , 2013 , 441-448	0.9	64
63	Social recommendation: a review. <i>Social Network Analysis and Mining</i> , 2013 , 3, 1113-1133	2.2	261
62	On Similarity Preserving Feature Selection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2013 , 25, 619-632	4.2	196
61	Network denoising in social media 2013 ,		5
60	Provenance Data in Social Media. <i>Synthesis Lectures on Data Mining and Knowledge Discovery</i> , 2013 , 4, 1-84	1.3	19
59	Exploring temporal effects for location recommendation on location-based social networks 2013 ,		271
58	Unsupervised Feature Selection for Multi-View Data in Social Media 2013 ,		64

57	Exploiting homophily effect for trust prediction 2013 ,		148
56	Understanding Twitter data with TweetXplorer 2013 ,		45
55	Modeling temporal effects of human mobile behavior on location-based social networks 2013 ,		45
54	CoSelect: Feature Selection with Instance Selection for Social Media Data 2013 ,		17
53	Scalable Learning of Collective Behavior. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2012 , 24, 1080-1091	4.2	24
52	Feature Selection with Linked Data in Social Media 2012 ,		52
51	Discovering Trust Networks for the Selection of Trustworthy Service Providers in Complex Contextual Social Networks 2012 ,		13
50	Ensemble Feature Selection in Face Recognition: ICMLA 2012 Challenge 2012 ,		2
49	eTrust 2012 ,		107
48	Text Analytics in Social Media 2012 , 385-414		73
47	Modeling blogger influence in a community. <i>Social Network Analysis and Mining</i> , 2012 , 2, 139-162	2.2	48
46	Community detection via heterogeneous interaction analysis. <i>Data Mining and Knowledge Discovery</i> , 2012 , 25, 1-33	5.6	131
45	Mining Social Media: A Brief Introduction 2012 , 1-17		76
44	Identifying Evolving Groups in Dynamic Multimode Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2012 , 24, 72-85	4.2	58
43	mTrust 2012 ,		180
42	Unsupervised feature selection for linked social media data 2012 ,		93
41	gSCorr 2012 ,		117
40	Analyzing Behavior of the Influentials Across Social Media 2012 , 3-19		9

39	Understanding online groups through social media. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2011 , 1, 330-338	6.9	12
38	Leveraging social media networks for classification. <i>Data Mining and Knowledge Discovery</i> , 2011 , 23, 447-478	5.4	181
37	Quantifying the trustworthiness of social media content. <i>Distributed and Parallel Databases</i> , 2011 , 29, 239-260	0.9	25
36	The Effect of the Characteristics of the Dataset on the Selection Stability 2011 ,		13
35	A Dilemma in Assessing Stability of Feature Selection Algorithms 2011 ,		16
34	Group Profiling for Understanding Social Structures. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2011 , 3, 1-25	8	13
33	Sensor networks: decentralized monitoring and subspace classification of events. <i>International Journal of General Systems</i> , 2011 , 40, 457-483	2.1	4
32	An Integrative Approach to Identifying Biologically Relevant Genes 2010 ,		6
31	Towards Building a Social Computing Tool for Social Scientists 2010 ,		1
30	Community Detection and Mining in Social Media. <i>Synthesis Lectures on Data Mining and Knowledge Discovery</i> , 2010 , 2, 1-137	1.3	167
29	Toward Predicting Collective Behavior via Social Dimension Extraction. <i>IEEE Intelligent Systems</i> , 2010 , 25, 19-25	4.2	41
28	Discovering Overlapping Groups in Social Media 2010 ,		85
27	WisColl: Collective wisdom based blog clustering. <i>Information Sciences</i> , 2010 , 180, 39-61	7.7	29
26	Sentiment Propagation in Social Networks: A Case Study in LiveJournal. <i>Lecture Notes in Computer Science</i> , 2010 , 413-420	0.9	12
25	Scalable learning of collective behavior based on sparse social dimensions 2009 ,		120
24	Relational learning via latent social dimensions 2009 ,		333
23	Evaluating the trustworthiness of Wikipedia articles through quality and credibility 2009 ,		9
22	Searching for interacting features in subset selection1. <i>Intelligent Data Analysis</i> , 2009 , 13, 207-228	1.1	51

21	Quantifying Utility and Trustworthiness for Advice Shared on Online Social Media 2009 ,		1
20	Uncovering Groups via Heterogeneous Interaction Analysis 2009 ,		60
19	Clustering Blogs with Collective Wisdom 2008 ,		12
18	Community evolution in dynamic multi-mode networks 2008 ,		133
17	Identifying the influential bloggers in a community 2008 ,		258
16	Searching for ""Familiar Strangers"" on Blogosphere. <i>Chapman & Hall/CRC Data Mining and Knowledge Discovery Series</i> , 2008 ,		3
15	Adaptive Distance Metric Learning for Clustering 2007 ,		62
14	Predicting Future High-Cost Patients: A Real-World Risk Modeling Application 2007 ,		13
13	Exploiting Spatial Transformations for Identifying Mappings in Hierarchical Media Data 2007 , 259-290		
12	Discovering mappings in hierarchical data from multiple sources using the inherent structure. <i>Knowledge and Information Systems</i> , 2006 , 10, 185-210	2.4	6
11	Toward integrating feature selection algorithms for classification and clustering. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2005 , 17, 491-502	4.2	1391
10	On Issues of Instance Selection. <i>Data Mining and Knowledge Discovery</i> , 2002 , 6, 115-130	5.6	119
9	Discretization: An Enabling Technique. <i>Data Mining and Knowledge Discovery</i> , 2002 , 6, 393-423	5.6	528
8	Sampling from databases using B+-Trees. <i>Intelligent Data Analysis</i> , 2002 , 6, 359-377	1.1	
7	Information Diffusion in Social Media 179-214		2
6	Bias analysis in text classification for highly skewed data		12
5	Sensor selection for maneuver classification		4
4	Situation-aware personalized information retrieval for mobile Internet		13

3	Feature selection for clustering - a filter solution	125
2	Spectral Feature Selection for Data Mining	41
1	Learning Latent Perception Graphs for Personalized Unknowns Recommendation	