

Lin 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.

103
papers

1,504
citations

22
h-index

34
g-index

123
ext. papers

2,145
ext. citations

4.2
avg, IF

5.04
L-index

#	Paper	IF	Citations
103	A Unified Survey of Treatment Effect Heterogeneity Modelling and Uplift Modelling. <i>ACM Computing Surveys</i> , 2022 , 54, 1-36	13.4	0
102	PSL: An Algorithm for Partial Bayesian Network Structure Learning. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2022 , 16, 1-25	4	
101	Assessing Classifier Fairness with Collider Bias. <i>Lecture Notes in Computer Science</i> , 2022 , 262-276	0.9	1
100	Exploring cell-specific miRNA regulation with single-cell miRNA-mRNA co-sequencing data. <i>BMC Bioinformatics</i> , 2021 , 22, 578	3.6	1
99	A general framework for causal classification. <i>International Journal of Data Science and Analytics</i> , 2021 , 11, 127-139	2	1
98	miRSM: an R package to infer and analyse miRNA sponge modules in heterogeneous data. <i>RNA Biology</i> , 2021 , 18, 2308-2320	4.8	2
97	pDriver : A novel method for unravelling personalised coding and miRNA cancer drivers. <i>Bioinformatics</i> , 2021 ,	7.2	2
96	Uncovering the roles of microRNAs/lncRNAs in characterising breast cancer subtypes and prognosis. <i>BMC Bioinformatics</i> , 2021 , 22, 300	3.6	0
95	A Unified View of Causal and Non-causal Feature Selection. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2021 , 15, 1-46	4	8
94	A pseudotemporal causality approach to identifying miRNA-mRNA interactions during biological processes. <i>Bioinformatics</i> , 2021 , 37, 807-814	7.2	1
93	Computational methods for cancer driver discovery: A survey. <i>Theranostics</i> , 2021 , 11, 5553-5568	12.1	3
92	Time to infer miRNA sponge modules. <i>Wiley Interdisciplinary Reviews RNA</i> , 2021 , e1686	9.3	2
91	Leveraging burst in twitter network communities for event detection. <i>World Wide Web</i> , 2020 , 23, 2851-2876	3.6	5
90	Detecting potential signals of adverse drug events from prescription data. <i>Artificial Intelligence in Medicine</i> , 2020 , 104, 101839	7.4	3
89	LMSM: A modular approach for identifying lncRNA related miRNA sponge modules in breast cancer. <i>PLoS Computational Biology</i> , 2020 , 16, e1007851	5	10
88	Causality-based Feature Selection. <i>ACM Computing Surveys</i> , 2020 , 53, 1-36	13.4	24
87	DriverGroup: a novel method for identifying driver gene groups. <i>Bioinformatics</i> , 2020 , 36, i583-i591	7.2	3

86	A novel single-cell based method for breast cancer prognosis. <i>PLoS Computational Biology</i> , 2020 , 16, e1008133	5	7
85	Multi-Source Causal Feature Selection. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , 42, 2240-2256	13.3	24
84	Privacy preserving serial publication of transactional data. <i>Information Systems</i> , 2019 , 82, 53-70	2.7	4
83	miRspongerR: an R/Bioconductor package for the identification and analysis of miRNA sponge interaction networks and modules. <i>BMC Bioinformatics</i> , 2019 , 20, 235	3.6	22
82	Identifying miRNA-mRNA regulatory relationships in breast cancer with invariant causal prediction. <i>BMC Bioinformatics</i> , 2019 , 20, 143	3.6	13
81	BAMB. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2019 , 10, 1-25	8	16
80	A Fast PC Algorithm for High Dimensional Causal Discovery with Multi-Core PCs. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019 , 16, 1483-1495	3	23
79	Identifying miRNA synergism using multiple-intervention causal inference. <i>BMC Bioinformatics</i> , 2019 , 20, 613	3.6	6
78	Discovering context specific causal relationships. <i>Intelligent Data Analysis</i> , 2019 , 23, 917-931	1.1	
77	CBNA: A control theory based method for identifying coding and non-coding cancer drivers. <i>PLoS Computational Biology</i> , 2019 , 15, e1007538	5	11
76	A relative privacy model for effective privacy preservation in transactional data. <i>Concurrency Computation Practice and Experience</i> , 2019 , 31, e4923	1.4	3
75	Data-driven discovery of causal interactions. <i>International Journal of Data Science and Analytics</i> , 2019 , 8, 285-297	2	0
74	Inferring and analyzing module-specific lncRNA-mRNA causal regulatory networks in human cancer. <i>Briefings in Bioinformatics</i> , 2019 , 20, 1403-1419	13.4	16
73	Multi-label relational classification via node and label correlation. <i>Neurocomputing</i> , 2018 , 292, 72-81	5.4	5
72	Mining Markov Blankets Without Causal Sufficiency. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 6333-6347	10.3	9
71	Predicting academic performance by considering student heterogeneity. <i>Knowledge-Based Systems</i> , 2018 , 161, 134-146	7.3	69
70	Collective behavior learning by differentiating personal preference from peer influence. <i>Knowledge-Based Systems</i> , 2018 , 159, 233-243	7.3	6
69	Use of Haploid Model of to Uncover Mechanism of Action of a Novel Antifungal Agent. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 164	5.9	10

68	A data-driven method to detect adverse drug events from prescription data. <i>Journal of Biomedical Informatics</i> , 2018 , 85, 10-20	10.2	4
67	Information Propagation Trees for Protest Event Prediction. <i>Lecture Notes in Computer Science</i> , 2018 , 777-789	0.9	4
66	Estimating heterogeneous treatment effect by balancing heterogeneity and fitness. <i>BMC Bioinformatics</i> , 2018 , 19, 518	3.6	1
65	miRBaseConverter: an R/Bioconductor package for converting and retrieving miRNA name, accession, sequence and family information in different versions of miRBase. <i>BMC Bioinformatics</i> , 2018 , 19, 514	3.6	40
64	ParallelPC: An R Package for Efficient Causal Exploration in Genomic Data. <i>Lecture Notes in Computer Science</i> , 2018 , 207-218	0.9	1
63	SensorTree: Bursty Propagation Trees as Sensors for Protest Event Detection. <i>Lecture Notes in Computer Science</i> , 2018 , 281-296	0.9	3
62	LncmiRSRN: identification and analysis of long non-coding RNA related miRNA sponge regulatory network in human cancer. <i>Bioinformatics</i> , 2018 , 34, 4232-4240	7.2	42
61	Predicting protein function via multi-label supervised topic model on gene ontology. <i>Biotechnology and Biotechnological Equipment</i> , 2017 , 31, 630-638	1.6	9
60	Inferring miRNA sponge co-regulation of protein-protein interactions in human breast cancer. <i>BMC Bioinformatics</i> , 2017 , 18, 243	3.6	16
59	CancerSubtypes: an R/Bioconductor package for molecular cancer subtype identification, validation and visualization. <i>Bioinformatics</i> , 2017 , 33, 3131-3133	7.2	95
58	Mining heterogeneous causal effects for personalized cancer treatment. <i>Bioinformatics</i> , 2017 , 33, 2372-2378	7.2	16
57	Forensic Taxonomy of Android Social Apps. <i>Journal of Forensic Sciences</i> , 2017 , 62, 435-456	1.8	14
56	Computational methods for identifying miRNA sponge interactions. <i>Briefings in Bioinformatics</i> , 2017 , 18, 577-590	13.4	64
55	Identifying microRNA targets in epithelial-mesenchymal transition using joint-intervention causal inference 2017 ,		1
54	Identifying miRNA sponge modules using biclustering and regulatory scores. <i>BMC Bioinformatics</i> , 2017 , 18, 44	3.6	15
53	Causal Decision Trees. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2017 , 29, 257-271	4.2	27
52	Forensic taxonomy of android productivity apps. <i>Multimedia Tools and Applications</i> , 2017 , 76, 3313-3341	2.5	15
51	A Relative Privacy Model for Effective Privacy Preservation in Transactional Data 2017 ,		2

50	Discrimination detection by causal effect estimation 2017 ,		3
49	A six-long non-coding RNAs signature as a potential prognostic marker for survival prediction of ER-positive breast cancer patients. <i>Oncotarget</i> , 2017 , 8, 67861-67870	3.3	14
48	Utility Aware Clustering for Publishing Transactional Data. <i>Lecture Notes in Computer Science</i> , 2017 , 481-494	0.9	6
47	Carbon: Forecasting Civil Unrest Events by Monitoring News and Social Media. <i>Lecture Notes in Computer Science</i> , 2017 , 859-865	0.9	5
46	Evaluating and Improving SIP Non-INVITE Transaction to Alleviate the Losing Race Problem. <i>Lecture Notes in Computer Science</i> , 2017 , 57-77	0.9	
45	An Android Communication App Forensic Taxonomy. <i>Journal of Forensic Sciences</i> , 2016 , 61, 1337-50	1.8	30
44	An overview of topic modeling and its current applications in bioinformatics. <i>SpringerPlus</i> , 2016 , 5, 1608		111
43	Identification of miRNA-mRNA regulatory modules by exploring collective group relationships. <i>BMC Genomics</i> , 2016 , 17 Suppl 1, 7	4.5	19
42	From Observational Studies to Causal Rule Mining. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2016 , 7, 1-27	8	13
41	Android mobile VoIP apps: a survey and examination of their security and privacy. <i>Electronic Commerce Research</i> , 2016 , 16, 73-111	2.1	33
40	Mining combined causes in large data sets. <i>Knowledge-Based Systems</i> , 2016 , 92, 104-111	7.3	12
39	A novel framework for inferring condition-specific TF and miRNA co-regulation of protein-protein interactions. <i>Gene</i> , 2016 , 577, 55-64	3.8	8
38	Identifying miRNA synergistic regulatory networks in heterogeneous human data via network motifs. <i>Molecular BioSystems</i> , 2016 , 12, 454-63		6
37	Identifying Cancer Subtypes from miRNA-TF-mRNA Regulatory Networks and Expression Data. <i>PLoS ONE</i> , 2016 , 11, e0152792	3.7	36
36	Predicting miRNA Targets by Integrating Gene Regulatory Knowledge with Expression Profiles. <i>PLoS ONE</i> , 2016 , 11, e0152860	3.7	13
35	From miRNA regulation to miRNA-TF co-regulation: computational approaches and challenges. <i>Briefings in Bioinformatics</i> , 2015 , 16, 475-96	13.4	26
34	Ensemble Methods for MiRNA Target Prediction from Expression Data. <i>PLoS ONE</i> , 2015 , 10, e0131627	3.7	25
33	Practical Approaches to Causal Relationship Exploration. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2015 ,	0.4	10

32	miRLAB: An R Based Dry Lab for Exploring miRNA-mRNA Regulatory Relationships. <i>PLoS ONE</i> , 2015 , 10, e0145386	3.7	22
31	Causal Rule Discovery with Partial Association Test. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2015 , 33-50	0.4	1
30	Causal Rule Discovery with Cohort Studies. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2015 , 51-66	0.4	
29	Inferring condition-specific miRNA activity from matched miRNA and mRNA expression data. <i>Bioinformatics</i> , 2014 , 30, 3070-7	7.2	17
28	Identifying direct miRNA-mRNA causal regulatory relationships in heterogeneous data. <i>Journal of Biomedical Informatics</i> , 2014 , 52, 438-47	10.2	19
27	A Study of Ten Popular Android Mobile VoIP Applications: Are the Communications Encrypted? 2014 ,		10
26	Discovering Collective Group Relationships. <i>Lecture Notes in Computer Science</i> , 2014 , 110-121	0.9	1
25	A Coloured Petri Net Approach to the Functional and Performance Analysis of SIP Non-INVITE Transaction. <i>Lecture Notes in Computer Science</i> , 2014 , 147-177	0.9	4
24	Inferring microRNA and transcription factor regulatory networks in heterogeneous data. <i>BMC Bioinformatics</i> , 2013 , 14, 92	3.6	34
23	Discovering functional microRNA-mRNA regulatory modules in heterogeneous data. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 774, 267-90	3.6	2
22	Mining Causal Association Rules 2013 ,		23
21	Inferring microRNA-mRNA causal regulatory relationships from expression data. <i>Bioinformatics</i> , 2013 , 29, 765-71	7.2	56
20	Exploring Groups from Heterogeneous Data via Sparse Learning. <i>Lecture Notes in Computer Science</i> , 2013 , 556-567	0.9	1
19	Discovery of Causal Rules Using Partial Association 2012 ,		16
18	Are the financial transactions conducted inside virtual environments truly anonymous?. <i>Journal of Money Laundering Control</i> , 2012 , 16, 6-40	0.8	7
17	Modelling of money laundering and terrorism financing typologies. <i>Journal of Money Laundering Control</i> , 2012 , 15, 316-335	0.8	14
16	Spectral Representation of Protein Sequences. <i>Journal of Computational and Theoretical Nanoscience</i> , 2011 , 8, 1335-1339	0.3	2
15	Uncovering SIP Vulnerabilities to DoS Attacks Using Coloured Petri Nets 2011 ,		5

14	An analysis of money laundering and terrorism financing typologies. <i>Journal of Money Laundering Control</i> , 2011 , 15, 85-111	0.8	27
13	Identifying functional miRNA-mRNA regulatory modules with correspondence latent dirichlet allocation. <i>Bioinformatics</i> , 2010 , 26, 3105-11	7.2	76
12	A simple yet effective data integration approach to tree-based microarray data classification. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 1503-6	0.9	1
11	Exploring complex miRNA-mRNA interactions with Bayesian networks by splitting-averaging strategy. <i>BMC Bioinformatics</i> , 2009 , 10, 408	3.6	58
10	Recursive Parametric Automata and Removal. <i>Lecture Notes in Computer Science</i> , 2009 , 90-105	0.9	
9	Modelling and Analysis of the INVITE Transaction of the Session Initiation Protocol Using Coloured Petri Nets. <i>Lecture Notes in Computer Science</i> , 2008 , 132-151	0.9	6
8	Verification of the Capability Exchange Signalling protocol. <i>International Journal on Software Tools for Technology Transfer</i> , 2007 , 9, 305-326	1.3	5
7	Reducing Parametric Automata: A Multimedia Protocol Service Case Study. <i>Lecture Notes in Computer Science</i> , 2004 , 483-486	0.9	1
6	Tackling the Infinite State Space of a Multimedia Control Protocol Service Specification. <i>Lecture Notes in Computer Science</i> , 2002 , 273-293	0.9	7
5	3.2.4 Modelling and Analysis of Internet Multimedia Protocols. <i>Incose International Symposium</i> , 2001 , 11, 258-265	0.4	2
4	FUZZY BAYESIAN NETWORKS A GENERAL FORMALISM FOR REPRESENTATION, INFERENCE AND LEARNING WITH HYBRID BAYESIAN NETWORKS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2000 , 14, 941-962	1.1	21
3	Obtaining the service language for H.245/multimedia capability exchange signalling protocol: the final step		2
2	A Study of Ten Popular Android Mobile Voip Applications: Are the Communications Encrypted?. <i>SSRN Electronic Journal</i> ,	1	1
1	Identifying miRNA synergism using multiple-intervention causal inference		1