

Ruichu Cai

List of Publications by Year in Descending Order

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Version: 2024-04-10

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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.

67 papers	624 citations	15 h-index	22 g-index
77 ext. papers	821 ext. citations	5 avg, IF	4.09 L-index

#	Paper	IF	Citations
67	Learning granger causality for non-stationary Hawkes processes. <i>Neurocomputing</i> , 2022 , 468, 22-32	5.4	0
66	Shared state space model for background information extraction and time series prediction. <i>Neurocomputing</i> , 2022 , 468, 85-96	5.4	0
65	THPs: Topological Hawkes Processes for Learning Causal Structure on Event Sequences. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022 , 1-15	10.3	1
64	Causal Mechanism Transfer Network for Time Series Domain Adaptation in Mechanical Systems. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2021 , 12, 1-21	8	3
63	Semi-supervised disentangled framework for transferable named entity recognition. <i>Neural Networks</i> , 2021 , 135, 127-138	9.1	3
62	Prediction of Synthetic Lethal Interactions in Human Cancers Using Multi-View Graph Auto-Encoder. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 4041-4051	7.2	4
61	Learning causal structures using hidden compact representation. <i>Neurocomputing</i> , 2021 , 463, 328-333	5.4	0
60	Causal Discovery in Linear Non-Gaussian Acyclic Model With Multiple Latent Confounders. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	1
59	Investigating the interpretability of fetal status assessment using antepartum cardiotocographic records.. <i>BMC Medical Informatics and Decision Making</i> , 2021 , 21, 355	3.6	0
58	Dual-dropout graph convolutional network for predicting synthetic lethality in human cancers. <i>Bioinformatics</i> , 2020 , 36, 4458-4465	7.2	17
57	FOM: Fourth-order moment based causal direction identification on the heteroscedastic data. <i>Neural Networks</i> , 2020 , 124, 193-201	9.1	2
56	Multi-context aware user-item embedding for recommendation. <i>Neural Networks</i> , 2020 , 124, 86-94	9.1	5
55	DACH: Domain Adaptation Without Domain Information. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 5055-5067	10.3	6
54	Block diagonal representation learning for robust subspace clustering. <i>Information Sciences</i> , 2020 , 526, 54-67	7.7	15
53	TAG : Type Auxiliary Guiding for Code Comment Generation 2020 ,		3
52	A causal discovery algorithm based on the prior selection of leaf nodes. <i>Neural Networks</i> , 2020 , 124, 130-145	9.1	
51	Deep learning method for rain streaks removal from single image. <i>Journal of Engineering</i> , 2020 , 2020, 555-560	0.7	

50	Mining hidden non-redundant causal relationships in online social networks. <i>Neural Computing and Applications</i> , 2020 , 32, 6913-6923	4.8	3
49	An Efficient Entropy-Based Causal Discovery Method for Linear Structural Equation Models With IID Noise Variables. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 1667-1680	10.3	4
48	Detail-preserving smoke simulation using an efficient high-order numerical scheme. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	1
47	. <i>IEEE Access</i> , 2019 , 7, 14938-14946	3.5	4
46	Auto-scaling for real-time stream analytics on HPC cloud. <i>Service Oriented Computing and Applications</i> , 2019 , 13, 169-183	1.6	2
45	NADAQ: Natural Language Database Querying Based on Deep Learning. <i>IEEE Access</i> , 2019 , 7, 35012-35017	3.5	16
44	WMsorting: Wavelet Packets Decomposition and Mutual Information Based Spike Sorting Method. <i>IEEE Transactions on Nanobioscience</i> , 2019 ,	3.4	5
43	A subgraph-representation-based method for answering complex questions over knowledge bases. <i>Neural Networks</i> , 2019 , 119, 57-65	9.1	7
42	Learning Disentangled Semantic Representation for Domain Adaptation 2019 ,		13
41	Causal Discovery of Linear Non-Gaussian Acyclic Model with Small Samples. <i>Lecture Notes in Computer Science</i> , 2019 , 381-393	0.9	
40	Sophisticated Merging Over Random Partitions: A Scalable and Robust Causal Discovery Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 3623-3635	10.3	4
39	A component-driven distributed framework for real-time video dehazing. <i>Multimedia Tools and Applications</i> , 2018 , 77, 11259-11276	2.5	3
38	Single image deraining using deep convolutional networks. <i>Multimedia Tools and Applications</i> , 2018 , 77, 25905-25918	2.5	3
37	Causal Discovery from Discrete Data using Hidden Compact Representation. <i>Advances in Neural Information Processing Systems</i> , 2018 , 2018, 2666-2674	2.2	1
36	An Encoder-Decoder Framework Translating Natural Language to Database Queries 2018 ,		6
35	Identification of Causality Among Gene Mutations Through Local Causal Association Rule Discovery. <i>Lecture Notes in Computer Science</i> , 2018 , 465-477	0.9	
34	HASS: High Accuracy Spike Sorting with Wavelet Package Decomposition and Mutual Information 2018 ,		2
33	Waterwheel: Realtime Indexing and Temporal Range Query Processing over Massive Data Streams 2018 ,		4

32	Synthetic fluid details for the vorticity loss in advection. <i>Computer Animation and Virtual Worlds</i> , 2018 , 29, e1834	0.9	0
31	Understanding Social Causalities Behind Human Action Sequences. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1801-1813	10.3	14
30	Identification of adverse drug-drug interactions through causal association rule discovery from spontaneous adverse event reports. <i>Artificial Intelligence in Medicine</i> , 2017 , 76, 7-15	7.4	42
29	Recognizing activities from partially observed streams using posterior regularized conditional random fields. <i>Neurocomputing</i> , 2017 , 260, 294-301	5.4	3
28	An efficient kurtosis-based causal discovery method for linear non-Gaussian acyclic data 2017 ,		3
27	A Dynamic Conditional Random Field Based Framework for Sentence-Level Sentiment Analysis of Chinese Microblog 2017 ,		3
26	An CNN-LSTM Attention Approach to Understanding User Query Intent from Online Health Communities 2017 ,		16
25	DITIR. <i>Proceedings of the VLDB Endowment</i> , 2017 , 10, 1865-1868	3.1	9
24	A Robust Noise Resistant Algorithm for POI Identification from Flickr Data 2017 ,		6
23	Multiple-cause discovery combined with structure learning for high-dimensional discrete data and application to stock prediction. <i>Soft Computing</i> , 2016 , 20, 4575-4588	3.5	5
22	Causal discovery on high dimensional data. <i>Applied Intelligence</i> , 2015 , 42, 594-607	4.9	5
21	Enhanced soft subspace clustering through hybrid dissimilarity. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015 , 29, 1395-1405	1.6	3
20	Deterministic identification of specific individuals from GWAS results. <i>Bioinformatics</i> , 2015 , 31, 1701-7	7.2	22
19	A general framework of hierarchical clustering and its applications. <i>Information Sciences</i> , 2014 , 272, 29-48	4.7	19
18	Determining molecular predictors of adverse drug reactions with causality analysis based on structure learning. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014 , 21, 245-51	8.6	19
17	A Causal Model for Disease Pathway Discovery. <i>Lecture Notes in Computer Science</i> , 2014 , 350-357	0.9	
16	Two novel interestingness measures for gene association rule mining. <i>Neural Computing and Applications</i> , 2013 , 23, 835-841	4.8	2
15	Product named entity recognition for Chinese query questions based on a skip-chain CRF model. <i>Neural Computing and Applications</i> , 2013 , 23, 371-379	4.8	4

14	Causal gene identification using combinatorial V-structure search. <i>Neural Networks</i> , 2013 , 43, 63-71	9.1	18
13	Software project risk analysis using Bayesian networks with causality constraints. <i>Decision Support Systems</i> , 2013 , 56, 439-449	5.6	96
12	Regularized Gaussian Mixture Model based discretization for gene expression data association mining. <i>Applied Intelligence</i> , 2013 , 39, 607-613	4.9	6
11	A Hybrid Approach for Large Scale Causality Discovery. <i>Communications in Computer and Information Science</i> , 2013 , 1-6	0.3	1
10	Gaussian process learning for image classification based on low-level features 2012 ,		1
9	A cancer classification method based on association rules 2012 ,		4
8	A new hybrid method for gene selection. <i>Pattern Analysis and Applications</i> , 2011 , 14, 1-8	2.3	4
7	BASSUM: A Bayesian semi-supervised method for classification feature selection. <i>Pattern Recognition</i> , 2011 , 44, 811-820	7.7	28
6	What is Unequal among the Equals? Ranking Equivalent Rules from Gene Expression Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2011 , 23, 1735-1747	4.2	15
5	Kernel based gene expression pattern discovery and its application on cancer classification. <i>Neurocomputing</i> , 2010 , 73, 2562-2570	5.4	11
4	Portfolio adjusting optimization under credibility measures. <i>Journal of Computational and Applied Mathematics</i> , 2010 , 234, 1458-1465	2.4	34
3	Kernel-based skyline cardinality estimation 2009 ,		24
2	An efficient gene selection algorithm based on mutual information. <i>Neurocomputing</i> , 2009 , 72, 991-999	5.4	65
1	Causal discovery from multi-domain data using the independence of modularities. <i>Neural Computing and Applications</i> , 1	4.8	