Ruichu Cai

List of Publications by Citations

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	Software project risk analysis using Bayesian networks with causality constraints. *Decision Support Systems*, **2013**, 56, 439-449	5.6	96
66	An efficient gene selection algorithm based on mutual information. *Neurocomputing*, **2009**, 72, 991-999	5.4	65
65	Identification of adverse drug-drug interactions through causal association rule discovery from spontaneous adverse event reports. *Artificial Intelligence in Medicine*, **2017**, 76, 7-15	7.4	42
64	Portfolio adjusting optimization under credibility measures. *Journal of Computational and Applied Mathematics*, **2010**, 234, 1458-1465	2.4	34
63	BASSUM: A Bayesian semi-supervised method for classification feature selection. *Pattern Recognition*, **2011**, 44, 811-820	7.7	28
62	Kernel-based skyline cardinality estimation **2009**,		24
61	Deterministic identification of specific individuals from GWAS results. *Bioinformatics*, **2015**, 31, 1701-7	7.2	22
60	A general framework of hierarchical clustering and its applications. *Information Sciences*, **2014**, 272, 29-48	7.7	19
59	Determining molecular predictors of adverse drug reactions with causality analysis based on structure learning. *Journal of the American Medical Informatics Association: JAMIA*, **2014**, 21, 245-51	8.6	19
58	Causal gene identification using combinatorial V-structure search. *Neural Networks*, **2013**, 43, 63-71	9.1	18
57	Dual-dropout graph convolutional network for predicting synthetic lethality in human cancers. *Bioinformatics*, **2020**, 36, 4458-4465	7.2	17
56	NADAQ: Natural Language Database Querying Based on Deep Learning. *IEEE Access*, **2019**, 7, 35012-35017	3.5	16
55	An CNN-LSTM Attention Approach to Understanding User Query Intent from Online Health Communities **2017**,		16
54	Block diagonal representation learning for robust subspace clustering. *Information Sciences*, **2020**, 526, 54-67	7.7	15
53	What is Unequal among the Equals? Ranking Equivalent Rules from Gene Expression Data. *IEEE Transactions on Knowledge and Data Engineering*, **2011**, 23, 1735-1747	4.2	15
52	Understanding Social Causalities Behind Human Action Sequences. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 1801-1813	10.3	14
51	Learning Disentangled Semantic Representation for Domain Adaptation **2019**,		13

50	Kernel based gene expression pattern discovery and its application on cancer classification. *Neurocomputing*, **2010**, 73, 2562-2570	5.4	11
49	DITIR. *Proceedings of the VLDB Endowment*, **2017**, 10, 1865-1868	3.1	9
48	A subgraph-representation-based method for answering complex questions over knowledge bases. *Neural Networks*, **2019**, 119, 57-65	9.1	7
47	DACH: Domain Adaptation Without Domain Information. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 5055-5067	10.3	6
46	Regularized Gaussian Mixture Model based discretization for gene expression data association mining. *Applied Intelligence*, **2013**, 39, 607-613	4.9	6
45	A Robust Noise Resistant Algorithm for POI Identification from Flickr Data **2017**,		6
44	An Encoder-Decoder Framework Translating Natural Language to Database Queries **2018**,		6
43	WMsorting: Wavelet Packets Decomposition and Mutual Information Based Spike Sorting Method. *IEEE Transactions on Nanobioscience*, **2019**,	3.4	5
42	Causal discovery on high dimensional data. *Applied Intelligence*, **2015**, 42, 594-607	4.9	5
41	Multi-context aware user-item embedding for recommendation. *Neural Networks*, **2020**, 124, 86-94	9.1	5
40	Multiple-cause discovery combined with structure learning for high-dimensional discrete data and application to stock prediction. *Soft Computing*, **2016**, 20, 4575-4588	3.5	5
39	. *IEEE Access*, **2019**, 7, 14938-14946	3.5	4
38	Sophisticated Merging Over Random Partitions: A Scalable and Robust Causal Discovery Approach. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 3623-3635	10.3	4
37	Product named entity recognition for Chinese query questions based on a skip-chain CRF model. *Neural Computing and Applications*, **2013**, 23, 371-379	4.8	4
36	A new hybrid method for gene selection. *Pattern Analysis and Applications*, **2011**, 14, 1-8	2.3	4
35	A cancer classification method based on association rules **2012**,		4
34	An Efficient Entropy-Based Causal Discovery Method for Linear Structural Equation Models With IID Noise Variables. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 1667-1680	10.3	4
33	Prediction of Synthetic Lethal Interactions in Human Cancers Using Multi-View Graph Auto-Encoder. *IEEE Journal of Biomedical and Health Informatics*, **2021**, 25, 4041-4051	7.2	4

32	Waterwheel: Realtime Indexing and Temporal Range Query Processing over Massive Data Streams **2018**,		4
31	Recognizing activities from partially observed streams using posterior regularized conditional random fields. *Neurocomputing*, **2017**, 260, 294-301	5.4	3
30	A component-driven distributed framework for real-time video dehazing. *Multimedia Tools and Applications*, **2018**, 77, 11259-11276	2.5	3
29	Single image deraining using deep convolutional networks. *Multimedia Tools and Applications*, **2018**, 77, 25905-25918	2.5	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	Enhanced soft subspace clustering through hybrid dissimilarity. *Journal of Intelligent and Fuzzy Systems*, **2015**, 29, 1395-1405	1.6	3
25	TAG : Type Auxiliary Guiding for Code Comment Generation **2020**,		3
24	Causal Mechanism Transfer Network for Time Series Domain Adaptation in Mechanical Systems. *ACM Transactions on Intelligent Systems and Technology*, **2021**, 12, 1-21	8	3
23	Mining hidden non-redundant causal relationships in online social networks. *Neural Computing and Applications*, **2020**, 32, 6913-6923	4.8	3
22	Semi-supervised disentangled framework for transferable named entity recognition. *Neural Networks*, **2021**, 135, 127-138	9.1	3
21	Auto-scaling for real-time stream analytics on HPC cloud. *Service Oriented Computing and Applications*, **2019**, 13, 169-183	1.6	2
20	FOM: Fourth-order moment based causal direction identification on the heteroscedastic data. *Neural Networks*, **2020**, 124, 193-201	9.1	2
19	Two novel interestingness measures for gene association rule mining. *Neural Computing and Applications*, **2013**, 23, 835-841	4.8	2
18	HASS: High Accuracy Spike Sorting with Wavelet Package Decomposition and Mutual Information **2018**,		2
17	Gaussian process learning for image classification based on low-level features **2012**,		1
16	Causal Discovery from Discrete Data using Hidden Compact Representation. *Advances in Neural Information Processing Systems*, **2018**, 2018, 2666-2674	2.2	1
15	A Hybrid Approach for Large Scale Causality Discovery. *Communications in Computer and Information Science*, **2013**, 1-6	0.3	1

14	Detail-preserving smoke simulation using an efficient high-order numerical scheme. *Science China Information Sciences*, **2020**, 63, 1	3.4	1
13	Causal Discovery in Linear Non-Gaussian Acyclic Model With Multiple Latent Confounders. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	1
12	THPs: Topological Hawkes Processes for Learning Causal Structure on Event Sequences. *IEEE Transactions on Neural Networks and Learning Systems*, **2022**, 1-15	10.3	1
11	Shared state space model for background information extraction and time series prediction. *Neurocomputing*, **2022**, 468, 85-96	5.4	0
10	Synthetic fluid details for the vorticity loss in advection. *Computer Animation and Virtual Worlds*, **2018**, 29, e1834	0.9	0
9	Learning causal structures using hidden compact representation. *Neurocomputing*, **2021**, 463, 328-333	5.4	0
8	Investigating the interpretability of fetal status assessment using antepartum cardiotocographic records.. *BMC Medical Informatics and Decision Making*, **2021**, 21, 355	3.6	0
7	Identification of Causality Among Gene Mutations Through Local Causal Association Rule Discovery. *Lecture Notes in Computer Science*, **2018**, 465-477	0.9	
6	Causal Discovery of Linear Non-Gaussian Acyclic Model with Small Samples. *Lecture Notes in Computer Science*, **2019**, 381-393	0.9	
5	Learning granger causality for non-stationary Hawkes processes. *Neurocomputing*, **2022**, 468, 22-32	5.4	
4	A Causal Model for Disease Pathway Discovery. *Lecture Notes in Computer Science*, **2014**, 350-357	0.9	
3	A causal discovery algorithm based on the prior selection of leaf nodes. *Neural Networks*, **2020**, 124, 130-145	9.1	
2	Deep learning method for rain streaks removal from single image. *Journal of Engineering*, **2020**, 2020, 555-560	0.7	
1	Causal discovery from multi-domain data using the independence of modularities. *Neural Computing and Applications*,1	4.8	