

Kun Zhang

List of Publications by Year in descending order

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37
papers

1,631
citations

759233

12
h-index

580821

25
g-index

37
all docs

37
docs citations

37
times ranked

1550
citing authors

#	ARTICLE	IF	CITATIONS
1	Inferring causation from time series in Earth system sciences. Nature Communications, 2019, 10, 2553.	12.8	411
2	Review of Causal Discovery Methods Based on Graphical Models. Frontiers in Genetics, 2019, 10, 524.	2.3	328
3	Causal discovery and inference: concepts and recent methodological advances. Applied Informatics, 2016, 3, 3.	0.5	147
4	Information-geometric approach to inferring causal directions. Artificial Intelligence, 2012, 182-183, 1-31.	5.8	146
5	Geometry-Consistent Generative Adversarial Networks for One-Sided Unsupervised Domain Mapping. , 2019, 2019, 2422-2431.		117
6	On Estimation of Functional Causal Models. ACM Transactions on Intelligent Systems and Technology, 2016, 7, 1-22.	4.5	96
7	Causal Inference. Engineering, 2020, 6, 253-263.	6.7	65
8	Learning causality and causality-related learning: some recent progress. National Science Review, 2018, 5, 26-29.	9.5	49
9	Estimating feedforward and feedback effective connections from fMRI time series: Assessments of statistical methods. Network Neuroscience, 2019, 3, 274-306.	2.6	44
10	Learning Disentangled Semantic Representation for Domain Adaptation. , 2019, , .		40
11	Causal Discovery from Nonstationary/Heterogeneous Data: Skeleton Estimation and Orientation Determination. , 2017, 2017, 1347-1353.		33
12	Generalized Score Functions for Causal Discovery. , 2018, 2018, 1551-1560.		29
13	Elucidating multi-physics interactions in suspensions for the design of polymeric dispersants: a hierarchical machine learning approach. Molecular Systems Design and Engineering, 2017, 2, 263-273.	3.4	26
14	ICA with Sparse Connections: Revisited. Lecture Notes in Computer Science, 2009, , 195-202.	1.3	14
15	Generative-Discriminative Complementary Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 6526-6533.	4.9	13
16	Behind Distribution Shift: Mining Driving Forces of Changes and Causal Arrows. , 2017, 2017, 913-918.		12
17	Extensions of ICA for Causality Discovery in the Hong Kong Stock Market. Lecture Notes in Computer Science, 2006, , 400-409.	1.3	12
18	Causality Discovery with Additive Disturbances: An Information-Theoretical Perspective. Lecture Notes in Computer Science, 2009, , 570-585.	1.3	11

#	ARTICLE	IF	CITATIONS
19	Causal Discovery with Cascade Nonlinear Additive Noise Model. , 2019, , .		10
20	Domain Adaptation with Conditional Transferable Components. JMLR Workshop and Conference Proceedings, 2016, 48, 2839-2848.	1.4	7
21	Causal Discovery from Temporally Aggregated Time Series. Uncertainty in artificial intelligence : proceedings of the ... conference., 2017, 2017, .	0.9	3
22	Twin Auxiliary Classifiers GAN. Advances in Neural Information Processing Systems, 2019, 32, 1328-1337.	2.8	3
23	Guest Editorial: Special Issue on Causal Discovery 2017. International Journal of Data Science and Analytics, 2018, 6, 1-2.	4.1	2
24	Adversarial orthogonal regression: Two non-linear regressions for causal inference. Neural Networks, 2021, 143, 66-73.	5.9	2
25	Causal Discovery from Discrete Data using Hidden Compact Representation. Advances in Neural Information Processing Systems, 2018, 2018, 2666-2674.	2.8	2
26	Low-Dimensional Density Ratio Estimation for Covariate Shift Correction. Proceedings of Machine Learning Research, 2019, 89, 3449-3458.	0.3	2
27	Causal Discovery with Confounding Cascade Nonlinear Additive Noise Models. ACM Transactions on Intelligent Systems and Technology, 2021, 12, 1-28.	4.5	2
28	Unmixing for Causal Inference: Thoughts on McCaffrey and Danks. British Journal for the Philosophy of Science, 2020, 71, 1319-1330.	2.3	1
29	Unpaired data empowers association tests. Bioinformatics, 2021, 37, 785-792.	4.1	1
30	Data-Driven Approach to Multiple-Source Domain Adaptation. Proceedings of Machine Learning Research, 2019, 89, 3487-3496.	0.3	1
31	Causal Discovery and Forecasting in Nonstationary Environments with State-Space Models. Proceedings of Machine Learning Research, 2019, 97, 2901-2910.	0.3	1
32	Testability of Instrumental Variables in Linear non-Gaussian Acyclic Causal Models. Entropy, 2022, 24, 512.	2.2	1
33	Guest editorial: special issue on causal discovery. International Journal of Data Science and Analytics, 2017, 3, 79-80.	4.1	0
34	Modeling Dynamic Missingness of Implicit Feedback for Recommendation. Advances in Neural Information Processing Systems, 2018, 31, 6669-6678.	2.8	0
35	Multi-domain Causal Structure Learning in Linear Systems. Advances in Neural Information Processing Systems, 2018, 31, 6266-6276.	2.8	0
36	Learning Disentangled Semantic Representation for Domain Adaptation. IJCAI: Proceedings of the Conference, 2019, 2019, 2060-2066.	0.5	0

#	ARTICLE	IF	CITATIONS
37	Domain Generalization via Multidomain Discriminant Analysis. Uncertainty in artificial intelligence : proceedings of the ... conference., 2019, 35, .	0.9	0