

Nicolai Meinshausen

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

10,628
citations

279798

23
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

12263
citing authors

#	ARTICLE	IF	CITATIONS
1	Greenhouse-gas emission targets for limiting global warming to 2°C. <i>Nature</i> , 2009, 458, 1158-1162.	27.8	2,245
2	High-dimensional graphs and variable selection with the Lasso. <i>Annals of Statistics</i> , 2006, 34, 1436.	2.6	2,123
3	Stability Selection. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2010, 72, 417-473.	2.2	1,578
4	Warming caused by cumulative carbon emissions towards the trillionth tonne. <i>Nature</i> , 2009, 458, 1163-1166.	27.8	1,282
5	The shared socio-economic pathway (SSP) greenhouse gas concentrations and their extensions to 2500. <i>Geoscientific Model Development</i> , 2020, 13, 3571-3605.	3.6	539
6	Lasso-type recovery of sparse representations for high-dimensional data. <i>Annals of Statistics</i> , 2009, 37, .	2.6	475
7	Relaxed Lasso. <i>Computational Statistics and Data Analysis</i> , 2007, 52, 374-393.	1.2	372
8	Historical greenhouse gas concentrations for climate modelling (CMIP6). <i>Geoscientific Model Development</i> , 2017, 10, 2057-2116.	3.6	350
9	<i>p</i> -Values for High-Dimensional Regression. <i>Journal of the American Statistical Association</i> , 2009, 104, 1671-1681.	3.1	295
10	Causal Inference by using Invariant Prediction: Identification and Confidence Intervals. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2016, 78, 947-1012.	2.2	251
11	Climate change now detectable from any single day of weather at global scale. <i>Nature Climate Change</i> , 2020, 10, 35-41.	18.8	154
12	Estimating the proportion of false null hypotheses among a large number of independently tested hypotheses. <i>Annals of Statistics</i> , 2006, 34, 373.	2.6	133
13	High-Dimensional Inference: Confidence Intervals, <i>p</i> -Values and R-Software hdi. <i>Statistical Science</i> , 2015, 30, .	2.8	128
14	Broad range of 2050 warming from an observationally constrained large climate model ensemble. <i>Nature Geoscience</i> , 2012, 5, 256-260.	12.9	109
15	Methods for causal inference from gene perturbation experiments and validation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7361-7368.	7.1	91
16	Causal Structure Learning. <i>Annual Review of Statistics and Its Application</i> , 2018, 5, 371-391.	7.0	80
17	Uncovering the Forced Climate Response from a Single Ensemble Member Using Statistical Learning. <i>Journal of Climate</i> , 2019, 32, 5677-5699.	3.2	45
18	A note on the Lasso for Gaussian graphical model selection. <i>Statistics and Probability Letters</i> , 2008, 78, 880-884.	0.7	41

#	ARTICLE	IF	CITATIONS
19	Asymptotic optimality of the Westfall-Young permutation procedure for multiple testing under dependence. <i>Annals of Statistics</i> , 2011, 39, .	2.6	38
20	False Discovery Control for Multiple Tests of Association Under General Dependence. <i>Scandinavian Journal of Statistics</i> , 2006, 33, 227-237.	1.4	37
21	A multi-marker association method for genome-wide association studies without the need for population structure correction. <i>Nature Communications</i> , 2016, 7, 13299.	12.8	35
22	Anchor Regression: Heterogeneous Data Meet Causality. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2021, 83, 215-246.	2.2	30
23	Lower bounds for the number of false null hypotheses for multiple testing of associations under general dependence structures. <i>Biometrika</i> , 2005, 92, 893-907.	2.4	28
24	Conditional variance penalties and domain shift robustness. <i>Machine Learning</i> , 2021, 110, 303-348.	5.4	28
25	The exit strategy. <i>Nature Climate Change</i> , 2009, 1, 56-58.	18.8	24
26	CAUSALITY FROM A DISTRIBUTIONAL ROBUSTNESS POINT OF VIEW. , 2018, , .		20
27	Group Bound: Confidence Intervals for Groups of Variables in Sparse High Dimensional Regression Without Assumptions on the Design. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2015, 77, 923-945.	2.2	16
28	Late 1980s abrupt cold season temperature change in Europe consistent with circulation variability and long-term warming. <i>Environmental Research Letters</i> , 2020, 15, 094056.	5.2	15
29	LASSO Isotone for High-Dimensional Additive Isotonic Regression. <i>Journal of Computational and Graphical Statistics</i> , 2012, 21, 72-91.	1.7	12
30	Robust detection of forced warming in the presence of potentially large climate variability. <i>Science Advances</i> , 2021, 7, eabh4429.	10.3	11
31	Causal Dantzig: Fast inference in linear structural equation models with hidden variables under additive interventions. <i>Annals of Statistics</i> , 2019, 47, .	2.6	10
32	Right Singular Vector Projection Graphs: Fast High Dimensional Covariance Matrix Estimation under Latent Confounding. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2020, 82, 361-389.	2.2	8
33	Latent Linear Adjustment Autoencoder v1.0: a novel method for estimating and emulating dynamic precipitation at high resolution. <i>Geoscientific Model Development</i> , 2021, 14, 4977-4999.	3.6	4
34	Partition Maps. <i>Journal of Computational and Graphical Statistics</i> , 2011, 20, 1007-1028.	1.7	3
35	Preserving privacy between features in distributed estimation. <i>Stat</i> , 2018, 7, e189.	0.4	3
36	Sparse distance metric learning. <i>Computational Statistics</i> , 2014, 29, 515-528.	1.5	1