Jan Hannig

List of Publications by Year
in descending order

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Version: 2024-02-01

72	1,364	471509	377865
papers	citations	17	34
		h-index	g-index

75	75	75	750
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fiducial Generalized Confidence Intervals. Journal of the American Statistical Association, 2006, 101, 254-269.	3.1	256
2	Detecting jumps from LÃ©vy jump diffusion processesâ˜†. Journal of Financial Economics, 2010, 96, 271-290.	9.0	124
3	Generalized Fiducial Inference: A Review and New Results. Journal of the American Statistical Association, 2016, 111, 1346-1361.	3.1	122
4	Advanced Distribution Theory for SiZer. Journal of the American Statistical Association, 2006, 101, 484-499.	3.1	68
5	Support vector machine classification of suspect powders using laserâ€induced breakdown spectroscopy (LIBS) spectral data. Journal of Chemometrics, 2012, 26, 143-149.	1.3	58
6	Angle-based joint and individual variation explained. Journal of Multivariate Analysis, 2018, 166, 241-265.	1.0	54
7	Fiducial Intervals for Variance Components in an Unbalanced Two-Component Normal Mixed Linear Model. Journal of the American Statistical Association, 2008, 103, 854-865.	3.1	47
8	Generalized fiducial inference for wavelet regression. Biometrika, 2009, 96, 847-860.	2.4	41
9	Fiducial prediction intervals. Journal of Statistical Planning and Inference, 2012, 142, 1980-1990.	0.6	40
10	Fiducial approach to uncertainty assessment accounting for error due to instrument resolution. Metrologia, 2007, 44, 476-483.	1.2	33
11	Generalized fiducial inference for normal linear mixed models. Annals of Statistics, 2012, 40, .	2.6	33
12	Kernel smoothing of periodograms under Kullbackâ€“Leibler discrepancy. Signal Processing, 2004, 84, 1255-1266.	3.7	29
13	Exact L2Small Balls of Gaussian Processes. Journal of Theoretical Probability, 2004, 17, 503-520.	0.8	28
14	A Bayesian Approach to Multistate Hidden Markov Models: Application to Dementia Progression. Journal of the American Statistical Association, 2020, 115, 16-31.	3.1	28
15	Robust SiZer for Exploration of Regression Structures and Outlier Detection. Journal of Computational and Graphical Statistics, 2006, 15, 101-117.	1.7	25
16	Nonparametric generalized fiducial inference for survival functions under censoring. Biometrika, 2019, 106, 501-518.	2.4	25
17	Generalized Fiducial Inference forÂUltrahigh-Dimensional Regression. Journal of the American Statistical Association, 2015, 110, 760-772.	3.1	23
18	Uncertainty calculation for the ratio of dependent measurements. Metrologia, 2003, 40, 177-183.	1.2	17

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19	Multiscale Exploratory Analysis of Regression Quantiles Using Quantile SiZer. Journal of Computational and Graphical Statistics, 2010, 19, 497-513.	1.7	17
20	Generalized fiducial confidence intervals for extremes. Extremes, 2012, 15, 67-87.	1.0	17
21	Generalized Fiducial Inference for Binary Logistic Item Response Models. Psychometrika, 2016, 81, 290-324.	2.1	17
22	Nonparametric Comparison of Multiple Regression Curves in Scale-Space. Journal of Computational and Graphical Statistics, 2014, 23, 657-677.	1.7	16
23	Fiducial inference on the largest mean of a multivariate normal distribution. Journal of Multivariate Analysis, 2011, 102, 87-104.	1.0	15
24	A note on Dempster-Shafer recombination of confidence distributions. Electronic Journal of Statistics, 2012, 6, .	0.7	15
25	Generalized Fiducial Inference via Discretization. Statistica Sinica, 2013, , .	0.3	14
26	CARMA(p,q) generalized random processes. Journal of Statistical Planning and Inference, 2010, 140, 3613-3618.	0.6	13
27	A fiducial approach to multiple comparisons. Journal of Statistical Planning and Inference, 2012, 142, 878-895.	0.6	13
28	Asymptotics of hierarchical clustering for growing dimension. Journal of Multivariate Analysis, 2014, 124, 465-479.	1.0	13
29	SiZer analysis for the comparison of time series. Journal of Statistical Planning and Inference, 2009, 139, 3974-3988.	0.6	12
30	Nonpenalized variable selection in high-dimensional linear model settings via generalized fiducial inference. Annals of Statistics, 2019, 47, .	2.6	12
31	A note on automatic data transformation. Stat, 2016, 5, 82-87.	0.4	10
32	Generalized Fiducial Inference for Logistic Graded Response Models. Psychometrika, 2017, 82, 1097-1125.	2.1	10
33	Relative Frequencies of Generalized Simulated Annealing. Mathematics of Operations Research, 2006, 31, 199-216.	1.3	9
34	Pivotal methods in the propagation of distributions. Metrologia, 2012, 49, 382-389.	1.2	8
35	Computational issues of generalized fiducial inference. Computational Statistics and Data Analysis, 2014, 71, 849-858.	1.2	8
36	Continuum modeling of large networks. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2008, 21, 169-186.	1.9	7

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37	Fiducial Theory for Free-Knot Splines. Springer Proceedings in Mathematics and Statistics, 2014, , 155-189.	0.2	7
38	Fusion learning for inter-laboratory comparisons. Journal of Statistical Planning and Inference, 2018, 195, 64-79.	0.6	6
39	BFF: Bayesian, Fiducial, Frequentist Analysis of Age Effects in Daily Diary Data. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2020, 75, 67-79.	3.9	6
40	Are reported likelihood ratios well calibrated?. Forensic Science International: Genetics Supplement Series, 2019, 7, 572-574.	0.3	5
41	On Poisson signal estimation under Kullbackâ€“Leibler discrepancy and squared risk. Journal of Statistical Planning and Inference, 2006, 136, 882-908.	0.6	4
42	On continuum limits of Markov chains and network modeling. , 2010, , .		4
43	Metrics for SiZer map comparison. Stat, 2013, 2, 49-60.	0.4	4
44	Approximating Extremely Large Networks via Continuum Limits. IEEE Access, 2013, 1, 577-595.	4.2	4
45	Rejoinder: â€˜Nonparametric generalized fiducial inference for survival functions under censoringâ€™. Biometrika, 2019, 106, 527-531.	2.4	4
46	BFF: Bayesian, Fiducial, and Frequentist Analysis of Cognitive Engagement among Cognitively Impaired Older Adults. Entropy, 2021, 23, 428.	2.2	4
47	Joint and individual analysis of breast cancer histologic images and genomic covariates. Annals of Applied Statistics, 2021, 15, 1697-1722.	1.1	4
48	Zero-error target tracking with limited communication. IEEE Journal on Selected Areas in Communications, 2008, 26, 686-694.	14.0	3
49	Testing for Calibration Discrepancy of Reported Likelihood Ratios in Forensic Science. Journal of the Royal Statistical Society Series A: Statistics in Society, 2022, 185, 267-301.	1.1	3
50	Uncertainty quantification for principal component regression. Electronic Journal of Statistics, 2021, 15, .	0.7	3
51	Discussion of â€œOn the Birnbaum Argument for the Strong Likelihood Principleâ€• Statistical Science, 2014, 29, .	2.8	2
52	Activity prediction and identification of misâ€annotated chemical compounds using extreme descriptors. Journal of Chemometrics, 2016, 30, 99-108.	1.3	2
53	Second-Order Probability Matching Priors for the Person Parameter in Unidimensional IRT Models. Psychometrika, 2019, 84, 701-718.	2.1	2
54	Deep fiducial inference. Stat, 2020, 9, e308.	0.4	2

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55	Covariance estimation via fiducial inference. Statistical Theory and Related Fields, 2021, 5, 316-331.	0.4	2
56	Generalized fiducial inference on the mean of zero-inflated Poisson and Poisson hurdle models. Journal of Statistical Distributions and Applications, 2021, 8, .	1.2	2
57	The importance sampling technique for understanding rare events in ï»¿ï»¿ErdÅ‘sâ€“RÃ©nyi random graphs. Electronic Journal of Probability, 2015, 20, .	1.0	2
58	Statistical consistency of the data association problem in multiple target tracking. Electronic Journal of Statistics, 2011, 5, .	0.7	1
59	Continuum modeling and control of large nonuniform networks. , 2011, , .		1
60	Analysis of routing protocols and interference-limited communication in large wireless networks via continuum modeling. Journal of Engineering Mathematics, 2013, 79, 183-199.	1.2	1
61	Continuum Modeling and Control of Large Nonuniform Wireless Networks via Nonlinear Partial Differential Equations. Abstract and Applied Analysis, 2013, 2013, 1-16.	0.7	1
62	Least squares generalized inferences in unbalanced two-component normal mixed linear model. Computational Statistics, 2016, 31, 973-988.	1.5	1
63	Source Detection Algorithms for Dynamic Contaminants Based on the Analysis of a Hydrodynamic Limit. SIAM Journal on Applied Mathematics, 2018, 78, 2279-2297.	1.8	1
64	A novel scale-space approach for multinormality testing and the k-sample problem in the high dimension low sample size scenario. PLoS ONE, 2019, 14, e0211044.	2.5	1
65	A note on optimal sampling strategy for structural variant detection using optical mapping. Communications in Statistics - Theory and Methods, 2020, , 1-15.	1.0	1
66	Method G: Uncertainty Quantification for Distributed Data Problems Using Generalized Fiducial Inference. Journal of Computational and Graphical Statistics, 2021, 30, 934-945.	1.7	1
67	Uncertainty quantification for honest regression trees. Computational Statistics and Data Analysis, 2022, 167, 107377.	1.2	1
68	A New String Edit Distance and Applications. Algorithms, 2022, 15, 242.	2.1	1
69	Optimal sample planning for system state analysis with partial data collection. Stat, 2015, 4, 69-80.	0.4	0
70	Autocovariance Function Estimation via Penalized Regression. Journal of Computational and Graphical Statistics, 2016, 25, 1041-1056.	1.7	0
71	Discussion of â€˜Prior-based Bayesian information criterion (PBIC)â€™. Statistical Theory and Related Fields, 2019, 3, 30-31.	0.4	0
72	Comments on â€œA Gibbs Sampler for a Class of Random Convex Polytopesâ€• Journal of the American Statistical Association, 2021, 116, 1206-1210.	3.1	0