

Xuming He

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11555653/publications.pdf>

Version: 2024-02-01

114
papers

5,057
citations

71102

41
h-index

98798

67
g-index

120
all docs

120
docs citations

120
times ranked

3977
citing authors

#	ARTICLE	IF	CITATIONS
1	Smoothed quantile regression with large-scale inference. <i>Journal of Econometrics</i> , 2023, 232, 367-388.	6.5	30
2	A Conversation with Stephen Portnoy. <i>Statistical Science</i> , 2022, 37, .	2.8	0
3	Bayesian joint-quantile regression. <i>Computational Statistics</i> , 2021, 36, 2033-2053.	1.5	3
4	A tail-based test to detect differential expression in RNA-sequencing data. <i>Statistical Methods in Medical Research</i> , 2021, 30, 261-276.	1.5	2
5	Debiased Inference on Treatment Effect in a High-Dimensional Model. <i>Journal of the American Statistical Association</i> , 2020, 115, 442-454.	3.1	14
6	Statistical inference for multiple changeâ€point models. <i>Scandinavian Journal of Statistics</i> , 2020, 47, 1149-1170.	1.4	0
7	Inference on Selected Subgroups in Clinical Trials. <i>Journal of the American Statistical Association</i> , 2020, , 1-19.	3.1	17
8	Concussion-Recovery Trajectories Among Tactical Athletes: Results From the CARE Consortium. <i>Journal of Athletic Training</i> , 2020, 55, 658-665.	1.8	12
9	Skinny Gibbs: A Consistent and Scalable Gibbs Sampler for Model Selection. <i>Journal of the American Statistical Association</i> , 2019, 114, 1205-1217.	3.1	26
10	A mixture factor model with applications to microarray data. <i>Test</i> , 2019, 28, 60-76.	1.1	1
11	On the predictive risk in misspecified quantile regression. <i>Journal of Econometrics</i> , 2019, 213, 235-260.	6.5	5
12	Quantile regression. <i>Journal of Econometrics</i> , 2019, 213, 1-3.	6.5	10
13	A cohort study to identify and evaluate concussion risk factors across multiple injury settings: findings from the CARE Consortium. <i>Injury Epidemiology</i> , 2019, 6, 1.	1.8	42
14	High dimensional censored quantile regression. <i>Annals of Statistics</i> , 2018, 46, 308-343.	2.6	18
15	A New Approach to Censored Quantile Regression Estimation. <i>Journal of Computational and Graphical Statistics</i> , 2018, 27, 417-425.	1.7	19
16	A Conversation with Roger Koenker. <i>International Statistical Review</i> , 2017, 85, 46-60.	1.9	2
17	Robust low-rank data matrix approximations. <i>Science China Mathematics</i> , 2017, 60, 189-200.	1.7	6
18	Hypothesis testing for regional quantiles. <i>Journal of Statistical Planning and Inference</i> , 2017, 191, 13-24.	0.6	9

#	ARTICLE	IF	CITATIONS
19	Cumulative Effects of Concussion History on Baseline Computerized Neurocognitive Test Scores: Systematic Review and Meta-analysis. <i>Sports Health</i> , 2017, 9, 324-332.	2.7	19
20	Assessment of impaired coordination between respiration and deglutition in children and young adults with ataxia telangiectasia. <i>Developmental Medicine and Child Neurology</i> , 2016, 58, 1069-1075.	2.1	9
21	Inference based on adaptive grid selection of probability transforms. <i>Statistics</i> , 2016, 50, 667-688.	0.6	3
22	A data-driven approach to conditional screening of high-dimensional variables. <i>Stat</i> , 2016, 5, 200-212.	0.4	11
23	Inference for single-index quantile regression models with profile optimization. <i>Annals of Statistics</i> , 2016, 44, .	2.6	37
24	Posterior Inference in Bayesian Quantile Regression with Asymmetric Laplace Likelihood. <i>International Statistical Review</i> , 2016, 84, 327-344.	1.9	66
25	Bayesian quantile regression with approximate likelihood. <i>Bernoulli</i> , 2015, 21, .	1.3	22
26	Globally adaptive quantile regression with ultra-high dimensional data. <i>Annals of Statistics</i> , 2015, 43, 2225-2258.	2.6	49
27	Inference for Subgroup Analysis With a Structured Logistic-Normal Mixture Model. <i>Journal of the American Statistical Association</i> , 2015, 110, 303-312.	3.1	90
28	Discussion of "multivariate functional outlier detection". <i>Statistical Methods and Applications</i> , 2015, 24, 209-215.	1.2	1
29	Statistical inference based on robust low-rank data matrix approximation. <i>Annals of Statistics</i> , 2014, 42, .	2.6	2
30	Bias Correction in RNA-Seq Short-Read Counts Using Penalized Regression. <i>Statistics in Biosciences</i> , 2013, 5, 88-99.	1.2	1
31	Quantile-adaptive model-free variable screening for high-dimensional heterogeneous data. <i>Annals of Statistics</i> , 2013, 41, .	2.6	170
32	Bayesian empirical likelihood for quantile regression. <i>Annals of Statistics</i> , 2012, 40, .	2.6	91
33	Bivariate Downscaling With Asynchronous Measurements. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2012, 17, 476-489.	1.4	11
34	Searching for Alternative Splicing With a Joint Model on Probe Measurability and Expression Intensities. <i>Journal of the American Statistical Association</i> , 2012, 107, 935-945.	3.1	1
35	Estimation of High Conditional Quantiles for Heavy-Tailed Distributions. <i>Journal of the American Statistical Association</i> , 2012, 107, 1453-1464.	3.1	82
36	An informative subset-based estimator for censored quantile regression. <i>Test</i> , 2012, 21, 635-655.	1.1	17

#	ARTICLE	IF	CITATIONS
37	Quantile regression with doubly censored data. <i>Computational Statistics and Data Analysis</i> , 2012, 56, 797-812.	1.2	25
38	An Improved Iterative Proportional Scaling Procedure for Gaussian Graphical Models. <i>Journal of Computational and Graphical Statistics</i> , 2011, 20, 417-431.	1.7	11
39	Bent Line Quantile Regression with Application to an Allometric Study of Land Mammals' Speed and Mass. <i>Biometrics</i> , 2011, 67, 242-249.	1.4	44
40	A Multistep Protein Lysate Array Quantification Method and its Statistical Properties. <i>Biometrics</i> , 2011, 67, 1197-1205.	1.4	7
41	Wild bootstrap for quantile regression. <i>Biometrika</i> , 2011, 98, 995-999.	2.4	127
42	Biomechanical Properties of Concussions in High School Football. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 2064-2071.	0.4	205
43	Sieve maximum likelihood estimation for doubly semiparametric zero-inflated Poisson models. <i>Journal of Multivariate Analysis</i> , 2010, 101, 2026-2038.	1.0	16
44	Prediction of Functional Status for the Elderly Based on a New Ordinal Regression Model. <i>Journal of the American Statistical Association</i> , 2010, 105, 930-941.	3.1	18
45	Percentile Charts on Correlated Measures. , 2010, , 972-975.		0
46	Modeling and prediction of children's growth data via functional principal component analysis. <i>Science in China Series A: Mathematics</i> , 2009, 52, 1342-1350.	0.5	6
47	Singular Value Decomposition-Based Alternative Splicing Detection. <i>Journal of the American Statistical Association</i> , 2009, 104, 944-953.	3.1	7
48	Head Impacts During High School Football: A Biomechanical Assessment. <i>Journal of Athletic Training</i> , 2009, 44, 342-349.	1.8	234
49	Inference on low-rank data matrices with applications to microarray data. <i>Annals of Applied Statistics</i> , 2009, 3, .	1.1	8
50	Inference on Low-Rank Data Matrices with Applications to Microarray Data. <i>Annals of Applied Statistics</i> , 2009, 3, 1634-1654.	1.1	2
51	Three-step estimation in linear mixed models with skew-t distributions. <i>Journal of Statistical Planning and Inference</i> , 2008, 138, 1542-1555.	0.6	14
52	An Enhanced Quantile Approach for Assessing Differential Gene Expressions. <i>Biometrics</i> , 2008, 64, 449-457.	1.4	9
53	Lower Rank Approximation of Matrices Based on Fast and Robust Alternating Regression. <i>Journal of Computational and Graphical Statistics</i> , 2008, 17, 186-200.	1.7	7
54	Partially Bayesian variable selection in classification trees. <i>Statistics and Its Interface</i> , 2008, 1, 155-167.	0.3	0

#	ARTICLE	IF	CITATIONS
55	ASYMPTOTIC DISTRIBUTIONS OF THE MAXIMAL DEPTH ESTIMATORS FOR REGRESSION AND MULTIVARIATE LOCATION. , 2008, , .		2
56	Power Transformation Toward a Linear Regression Quantile. Journal of the American Statistical Association, 2007, 102, 269-279.	3.1	56
57	Non-parametric quantification of protein lysate arrays. Bioinformatics, 2007, 23, 1986-1994.	4.1	193
58	Detecting Differential Expressions in GeneChip Microarray Studies. Journal of the American Statistical Association, 2007, 102, 104-112.	3.1	62
59	Extensions of the Markov chain marginal bootstrap. Statistics and Probability Letters, 2007, 77, 1258-1268.	0.7	8
60	Enhanced Quantile Normalization of Microarray Data to Reduce Loss of Information in Gene Expression Profiles. Biometrics, 2007, 63, 50-59.	1.4	34
61	Conditional growth charts. Annals of Statistics, 2006, 34, 2069.	2.6	100
62	Quantile regression methods for reference growth charts. Statistics in Medicine, 2006, 25, 1369-1382.	1.6	262
63	Reproducibility Probability Score—incorporating measurement variability across laboratories for gene selection. Nature Biotechnology, 2006, 24, 1476-1477.	17.5	51
64	Bolus Location Associated With Videofluoroscopic and Respirodeglutometric Events. Journal of Speech, Language, and Hearing Research, 2005, 48, 21-33.	1.6	48
65	Robust Estimation in Generalized Partial Linear Models for Clustered Data. Journal of the American Statistical Association, 2005, 100, 1176-1184.	3.1	136
66	Practical Confidence Intervals for Regression Quantiles. Journal of Computational and Graphical Statistics, 2005, 14, 41-55.	1.7	126
67	On the Stahel-Donoho estimator and depth-weighted means of multivariate data. Annals of Statistics, 2004, 32, 167.	2.6	73
68	M-estimation for linear models with spatially-correlated errors. Statistics and Probability Letters, 2004, 66, 383-393.	0.7	17
69	Longitudinal data analysis using t-type regression. Journal of Statistical Planning and Inference, 2004, 122, 253-269.	0.6	11
70	Adjustment of Measuring Devices With Linear Models. Technometrics, 2004, 46, 127-134.	1.9	5
71	Marginal versus joint Box-Cox transformation with applications to percentile curve construction for IgG subclasses and blood pressures. Statistics in Medicine, 2003, 22, 397-408.	1.6	4
72	Median regression for longitudinal data. Statistics in Medicine, 2003, 22, 3655-3669.	1.6	50

#	ARTICLE	IF	CITATIONS
73	Local Influence Analysis for Penalized Gaussian Likelihood Estimators in Partially Linear Models. Scandinavian Journal of Statistics, 2003, 30, 767-780.	1.4	16
74	A Lack-of-Fit Test for Quantile Regression. Journal of the American Statistical Association, 2003, 98, 1013-1022.	3.1	127
75	3. Statistical Models for Biomedical Research. Journal of the Japanese Society of Computational Statistics, 2003, 15, 81-87.	0.2	0
76	A MONTE CARLO GAP TEST IN COMPUTING HPD REGIONS. , 2003, , 38-52.		0
77	Markov Chain Marginal Bootstrap. Journal of the American Statistical Association, 2002, 97, 783-795.	3.1	110
78	Influence diagnostics and outlier tests for semiparametric mixed models. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2002, 64, 565-579.	2.2	64
79	On marginal estimation in a semiparametric model for longitudinal data with time-independent covariates. Metrika, 2002, 55, 67-74.	0.8	4
80	A data-adaptive knot selection scheme for fitting splines. IEEE Signal Processing Letters, 2001, 8, 137-139.	3.6	24
81	High Breakdown Estimation for Multiple Populations with Applications to Discriminant Analysis. Journal of Multivariate Analysis, 2000, 72, 151-162.	1.0	97
82	On Parameters of Increasing Dimensions. Journal of Multivariate Analysis, 2000, 73, 120-135.	1.0	147
83	Some asymptotic results on bivariate quantile splines. Journal of Statistical Planning and Inference, 2000, 91, 341-349.	0.6	11
84	A Robust Journey in the New Millennium. Journal of the American Statistical Association, 2000, 95, 1331-1335.	3.1	16
85	COBS: qualitatively constrained smoothing via linear programming. Computational Statistics, 1999, 14, 315-337.	1.5	85
86	Quantile splines with several covariates. Journal of Statistical Planning and Inference, 1999, 75, 343-352.	0.6	40
87	Multivariate L-estimation. Test, 1999, 8, 255-317.	1.1	38
88	Method of medians for lifetime data with Weibull models. , 1999, 18, 1993-2009.		22
89	Asymptotic distributions of the maximal depth estimators for regression and multivariate location. Annals of Statistics, 1999, 27, .	2.6	60
90	Monotone B-Spline Smoothing. Journal of the American Statistical Association, 1998, 93, 643.	3.1	51

#	ARTICLE	IF	CITATIONS
91	Monotone B-Spline Smoothing. Journal of the American Statistical Association, 1998, 93, 643-650.	3.1	93
92	Quantile Curves without Crossing. American Statistician, 1997, 51, 186-192.	1.6	115
93	Quantile Curves without Crossing. American Statistician, 1997, 51, 186.	1.6	111
94	Convergence of depth contours for multivariate datasets. Annals of Statistics, 1997, 25, .	2.6	57
95	A general Bahadur representation of M-estimators and its application to linear regression with nonstochastic designs. Annals of Statistics, 1996, 24, 2608.	2.6	174
96	Bivariate Tensor-Product B-Splines in a Partly Linear Model. Journal of Multivariate Analysis, 1996, 58, 162-181.	1.0	124
97	Bahadur efficiency and robustness of studentized score tests. Annals of the Institute of Statistical Mathematics, 1996, 48, 295-314.	0.8	8
98	Law of the Iterated Logarithm and Invariance Principle for M-Estimators. Proceedings of the American Mathematical Society, 1995, 123, 563.	0.8	4
99	Bounded Influence and High Breakdown Point Testing Procedures in Linear Models. Journal of the American Statistical Association, 1994, 89, 543-549.	3.1	65
100	Convergence rate of b-spline estimators of nonparametric conditional quantile functions $\hat{\mu}_\tau$. Journal of Nonparametric Statistics, 1994, 3, 299-308.	0.9	123
101	Breakdown versus efficiency – Your perspective matters. Statistics and Probability Letters, 1994, 19, 357-360.	0.7	2
102	A simple and competitive estimator of location. Statistics and Probability Letters, 1994, 19, 137-142.	0.7	5
103	Bounded Influence and High Breakdown Point Testing Procedures in Linear Models. Journal of the American Statistical Association, 1994, 89, 543.	3.1	16
104	On median-type estimators of direction for the von Mises–Fisher distribution. Biometrika, 1993, 80, 869-875.	2.4	14
105	Lower Bounds for Contamination Bias: Globally Minimax Versus Locally Linear Estimation. Annals of Statistics, 1993, 21, .	2.6	65
106	Reweighted LS Estimators Converge at the same Rate as the Initial Estimator. Annals of Statistics, 1992, 20, 2161.	2.6	49
107	Robust Direction Estimation. Annals of Statistics, 1992, 20, .	2.6	52
108	A local breakdown property of robust tests in linear regression. Journal of Multivariate Analysis, 1991, 38, 294-305.	1.0	58

#	ARTICLE	IF	CITATIONS
109	ESTIMATING THE ROOT OF A NONPARAMETRIC REGRESSION FUNCTION IN A ROBUST FASHION. The Australian Journal of Statistics, 1990, 32, 217-225.	0.2	0
110	Likelihood ratio test for discordancy with slippage alternatives. Communications in Statistics - Theory and Methods, 1990, 19, 3585-3594.	1.0	1
111	Breakdown Robustness of Tests. Journal of the American Statistical Association, 1990, 85, 446-452.	3.1	93
112	Breakdown Robustness of Tests. Journal of the American Statistical Association, 1990, 85, 446.	3.1	32
113	Model-based bootstrap for detection of regional quantile treatment effects. Journal of Nonparametric Statistics, 0, , 1-22.	0.9	2
114	Challenges and Opportunities in Statistics and Data Science: Ten Research Areas. , 0, , .		4