

Zhiqiang Tan

List of Publications by Year in descending order

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43
papers

1,008
citations

567281

15
h-index

454955

30
g-index

43
all docs

43
docs citations

43
times ranked

920
citing authors

#	ARTICLE	IF	CITATIONS
1	A Distributional Approach for Causal Inference Using Propensity Scores. <i>Journal of the American Statistical Association</i> , 2006, 101, 1619-1637.	3.1	149
2	Theory of binless multi-state free energy estimation with applications to protein-ligand binding. <i>Journal of Chemical Physics</i> , 2012, 136, 144102.	3.0	137
3	Regression and Weighting Methods for Causal Inference Using Instrumental Variables. <i>Journal of the American Statistical Association</i> , 2006, 101, 1607-1618.	3.1	114
4	On a Likelihood Approach for Monte Carlo Integration. <i>Journal of the American Statistical Association</i> , 2004, 99, 1027-1036.	3.1	67
5	Comment: Understanding OR, PS and DR. <i>Statistical Science</i> , 2007, 22, .	2.8	61
6	Simulating Replica Exchange: Markov State Models, Proposal Schemes, and the Infinite Swapping Limit. <i>Journal of Physical Chemistry B</i> , 2016, 120, 8289-8301.	2.6	42
7	Deep Sequencing of Protease Inhibitor Resistant HIV Patient Isolates Reveals Patterns of Correlated Mutations in Gag and Protease. <i>PLoS Computational Biology</i> , 2015, 11, e1004249.	3.2	38
8	Comparative Effectiveness of Adjunctive Psychotropic Medications in Patients With Schizophrenia. <i>JAMA Psychiatry</i> , 2019, 76, 508.	11.0	38
9	Doubly robust instrumental variable regression. <i>Statistica Sinica</i> , 2012, 22, .	0.3	38
10	Marginal and Nested Structural Models Using Instrumental Variables. <i>Journal of the American Statistical Association</i> , 2010, 105, 157-169.	3.1	36
11	Optimally Adjusted Mixture Sampling and Locally Weighted Histogram Analysis. <i>Journal of Computational and Graphical Statistics</i> , 2017, 26, 54-65.	1.7	35
12	Model-assisted inference for treatment effects using regularized calibrated estimation with high-dimensional data. <i>Annals of Statistics</i> , 2020, 48, .	2.6	33
13	A Stochastic Solution to the Unbinned WHAM Equations. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3834-3840.	4.6	27
14	Large-scale asynchronous and distributed multidimensional replica exchange molecular simulations and efficiency analysis. <i>Journal of Computational Chemistry</i> , 2015, 36, 1772-1785.	3.3	19
15	Locally weighted histogram analysis and stochastic solution for large-scale multi-state free energy estimation. <i>Journal of Chemical Physics</i> , 2016, 144, 034107.	3.0	16
16	Mortality risk of antipsychotic augmentation for adult depression. <i>PLoS ONE</i> , 2020, 15, e0239206.	2.5	16
17	Generalized pseudo empirical likelihood inferences for complex surveys. <i>Canadian Journal of Statistics</i> , 2015, 43, 1-17.	0.9	15
18	Monte Carlo Integration With Acceptance-Rejection. <i>Journal of Computational and Graphical Statistics</i> , 2006, 15, 735-752.	1.7	14

#	ARTICLE	IF	CITATIONS
19	Nonparametric likelihood and doubly robust estimating equations for marginal and nested structural models. <i>Canadian Journal of Statistics</i> , 2010, 38, 609-632.	0.9	14
20	Antipsychotic Medication Treatment Patterns in Adult Depression. <i>Journal of Clinical Psychiatry</i> , 2018, 79, 55-61.	2.2	13
21	Exponential tilt models for two-group comparison with censored data. <i>Journal of Statistical Planning and Inference</i> , 2011, 141, 1102-1117.	0.6	9
22	Stratified UWHAM and Its Stochastic Approximation for Multicanonical Simulations Which Are Far from Equilibrium. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 4660-4674.	5.3	9
23	Ligand Binding Thermodynamic Cycles: Hysteresis, the Locally Weighted Histogram Analysis Method, and the Overlapping States Matrix. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 67-79.	5.3	8
24	Two-Stage Importance Sampling With Mixture Proposals. <i>Journal of the American Statistical Association</i> , 2013, 108, 1350-1365.	3.1	7
25	Doubly penalized estimation in additive regression with high-dimensional data. <i>Annals of Statistics</i> , 2019, 47, .	2.6	7
26	On doubly robust estimation for logistic partially linear models. <i>Statistics and Probability Letters</i> , 2019, 155, 108577.	0.7	6
27	Second-order asymptotic theory for calibration estimators in sampling and missing-data problems. <i>Journal of Multivariate Analysis</i> , 2014, 131, 240-253.	1.0	4
28	Psychotropic Medication Use Among Adults With Schizophrenia and Schizoaffective Disorder in the United States. <i>Psychiatric Services</i> , 2018, 69, 605-608.	2.0	4
29	Improved methods for moment restriction models with data combination and an application to two-sample instrumental variable estimation. <i>Canadian Journal of Statistics</i> , 2020, 48, 259-284.	0.9	4
30	Doubly robust semiparametric inference using regularized calibrated estimation with high-dimensional data. <i>Bernoulli</i> , 2022, 28, .	1.3	4
31	Directed acyclic graphs with edge-specific bounds. <i>Biometrika</i> , 2012, 99, 115-126.	2.4	3
32	Calibrated path sampling and stepwise bridge sampling. <i>Journal of Statistical Planning and Inference</i> , 2013, 143, 675-690.	0.6	3
33	Backfitting algorithms for total variation and empirical norm penalized additive modelling with high-dimensional data. <i>Stat</i> , 2018, 7, e198.	0.4	3
34	High-Dimensional Model-Assisted Inference for Local Average Treatment Effects With Instrumental Variables. <i>Journal of Business and Economic Statistics</i> , 2022, 40, 1732-1744.	2.9	3
35	On estimation of conditional density models with two-phase sampling. <i>Journal of Statistical Planning and Inference</i> , 2010, 140, 1986-2002.	0.6	2
36	A cluster-sample approach for Monte Carlo integration using multiple samplers. <i>Canadian Journal of Statistics</i> , 2013, 41, 151-173.	0.9	2

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37	Hamiltonian-Assisted Metropolis Sampling. <i>Journal of the American Statistical Association</i> , 2023, 118, 1176-1194.	3.1	2
38	Analysis of odds, probability, and hazard ratios: From 2 by 2 tables to two-sample survival data. <i>Journal of Statistical Planning and Inference</i> , 2022, 221, 248-265.	0.6	2
39	Calibrated adversarial algorithms for generative modelling. <i>Stat</i> , 2019, 8, e224.	0.4	1
40	Semi-supervised logistic learning based on exponential tilt mixture models. <i>Stat</i> , 2020, 9, e312.	0.4	1
41	Hierarchical Total Variations and Doubly Penalized ANOVA Modeling for Multivariate Nonparametric Regression. <i>Journal of Computational and Graphical Statistics</i> , 2021, 30, 848-862.	1.7	1
42	On Loss Functions and Regret Bounds for Multi-Category Classification. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 5295-5313.	2.4	1
43	An Exponential Tilt Mixture Model for Time-to-Event Data to Evaluate Treatment Effect Heterogeneity in Randomized Clinical Trials. <i>Biometrics & Biostatistics International Journal</i> , 2014, 1, .	0.2	0