

Kun Chen

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

1,328
citations

430874

18
h-index

395702

33
g-index

70
all docs

70
docs citations

70
times ranked

1606
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced rank regression via adaptive nuclear norm penalization. <i>Biometrika</i> , 2013, 100, 901-920.	2.4	142
2	Functional responses and scaling in predator-prey interactions of marine fishes: contemporary issues and emerging concepts. <i>Ecology Letters</i> , 2011, 14, 1288-1299.	6.4	129
3	Neurochemical Heterogeneity Among Lateral Hypothalamic Hypocretin/Orexin and Melanin-Concentrating Hormone Neurons Identified Through Single-Cell Gene Expression Analysis. <i>ENeuro</i> , 2017, 4, ENEURO.0013-17.2017.	1.9	88
4	Reduced Rank Stochastic Regression with a Sparse Singular value Decomposition. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2012, 74, 203-221.	2.2	80
5	Quantitative computed tomographic imaging-based clustering differentiates asthmatic subgroups with distinctive clinical phenotypes. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 690-700.e8.	2.9	79
6	Soil Texture and Cultivar Effects on Rice (<i>Oryza sativa</i> , L.) Grain Yield, Yield Components and Water Productivity in Three Water Regimes. <i>PLoS ONE</i> , 2016, 11, e0150549.	2.5	69
7	Quantitative assessment of multiscale structural and functional alterations in asthmatic populations. <i>Journal of Applied Physiology</i> , 2015, 118, 1286-1298.	2.5	67
8	Machine learning for suicide risk prediction in children and adolescents with electronic health records. <i>Translational Psychiatry</i> , 2020, 10, 413.	4.8	60
9	Alterations of host-gut microbiome interactions in multiple sclerosis. <i>EBioMedicine</i> , 2022, 76, 103798.	6.1	59
10	Robust reduced-rank regression. <i>Biometrika</i> , 2017, 104, 633-647.	2.4	37
11	Barriers to HIV Medication Adherence as a Function of Regimen Simplification. <i>Annals of Behavioral Medicine</i> , 2017, 51, 67-78.	2.9	35
12	Optimization of Nitrogen Rate and Planting Density for Improving the Grain Yield of Different Rice Genotypes in Northeast China. <i>Agronomy</i> , 2019, 9, 555.	3.0	32
13	On the degrees of freedom of reduced-rank estimators in multivariate regression. <i>Biometrika</i> , 2015, 102, 457-477.	2.4	28
14	Community-level factors and incidence of gun violence in the United States, 2014-2017. <i>Social Science and Medicine</i> , 2021, 280, 113969.	3.8	27
15	SOFAR: Large-Scale Association Network Learning. <i>IEEE Transactions on Information Theory</i> , 2019, 65, 4924-4939.	2.4	24
16	Subset ARMA selection via the adaptive Lasso. <i>Statistics and Its Interface</i> , 2011, 4, 197-205.	0.3	23
17	Planting Date and Variety Effects on Rice Main and Ratoon Crop Production in South Texas. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 2414-2420.	1.4	21
18	Mixture of linear mixed models using multivariate t distribution. <i>Journal of Statistical Computation and Simulation</i> , 2016, 86, 771-787.	1.2	20

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19	Finite mixture modeling of censored data using the multivariate Student- t distribution. Journal of Multivariate Analysis, 2017, 159, 151-167.	1.0	20
20	Bayesian sparse reduced rank multivariate regression. Journal of Multivariate Analysis, 2017, 157, 14-28.	1.0	19
21	Canonical variate regression. Biostatistics, 2016, 17, 468-483.	1.5	17
22	Sequential Co-Sparse Factor Regression. Journal of Computational and Graphical Statistics, 2017, 26, 814-825.	1.7	16
23	Leveraging mixed and incomplete outcomes via reduced-rank modeling. Journal of Multivariate Analysis, 2018, 167, 378-394.	1.0	16
24	Integrative Multi-View Regression: Bridging Group-Sparse and Low-Rank Models. Biometrics, 2019, 75, 593-602.	1.4	16
25	Log-contrast regression with functional compositional predictors: Linking preterm infants' gut microbiome trajectories to neurobehavioral outcome. Annals of Applied Statistics, 2020, 14, 1535-1556.	1.1	16
26	Multi-View Graph Convolutional Network and Its Applications on Neuroimage Analysis for Parkinson's Disease. AMIA ... Annual Symposium proceedings, 2018, 2018, 1147-1156.	0.2	16
27	Outlier detection and robust mixture modeling using nonconvex penalized likelihood. Journal of Statistical Planning and Inference, 2015, 164, 27-38.	0.6	14
28	Identifying risk factors for mortality among patients previously hospitalized for a suicide attempt. Scientific Reports, 2020, 10, 15223.	3.3	13
29	Using Hospitalization and Mortality Data to Identify Areas at Risk for Adolescent Suicide. Journal of Adolescent Health, 2017, 61, 192-197.	2.5	11
30	A new method for robust mixture regression. Canadian Journal of Statistics, 2017, 45, 77-94.	0.9	11
31	Improving suicide risk prediction via targeted data fusion: proof of concept using medical claims data. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 500-511.	4.4	9
32	Uncertainty in optimal fingerprinting is underestimated. Environmental Research Letters, 2021, 16, 084043.	5.2	9
33	Elucidating the impact of three metallic nanoagrichemicals and their bulk and ionic counterparts on the chemical properties of bulk and rhizosphere soils in rice paddies. Environmental Pollution, 2021, 290, 118005.	7.5	9
34	Reconstructing Source-Sink Dynamics in a Population with a Pelagic Dispersal Phase. PLoS ONE, 2014, 9, e95316.	2.5	8
35	Robust errors-in-variables linear regression via Laplace distribution. Statistics and Probability Letters, 2014, 84, 113-120.	0.7	6
36	Stagewise Generalized Estimating Equations with Grouped Variables. Biometrics, 2017, 73, 1332-1342.	1.4	6

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37	Robust finite mixture regression for heterogeneous targets. <i>Data Mining and Knowledge Discovery</i> , 2018, 32, 1509-1560.	3.7	6
38	A note on some algorithms for the Gibbs posterior. <i>Statistics and Probability Letters</i> , 2010, 80, 1234-1241.	0.7	5
39	Source-Sink Reconstruction Through Regularized Multicomponent Regression Analysis—With Application to Assessing Whether North Sea Cod Larvae Contributed to Local Fjord Cod in Skagerrak. <i>Journal of the American Statistical Association</i> , 2014, 109, 560-573.	3.1	5
40	Linking lung airway structure to pulmonary function via composite bridge regression. <i>Annals of Applied Statistics</i> , 2016, 10, 1880-1906.	1.1	5
41	Generalized co-sparse factor regression. <i>Computational Statistics and Data Analysis</i> , 2021, 157, 107127.	1.2	5
42	The association of prescription opioid use with suicide attempts: An analysis of statewide medical claims data. <i>PLoS ONE</i> , 2022, 17, e0269809.	2.5	5
43	Soil Organic Carbon Reactivity Along the Eroding Coastline of Northern Alaska. <i>Soil Science</i> , 2017, 182, 227-232.	0.9	4
44	Embracing study heterogeneity for finding genetic interactions in large-scale research consortia. <i>Genetic Epidemiology</i> , 2020, 44, 52-66.	1.3	4
45	A note on rank reduction in sparse multivariate regression. <i>Journal of Statistical Theory and Practice</i> , 2016, 10, 100-120.	0.5	3
46	Analysis of Double Single Index Models. <i>Scandinavian Journal of Statistics</i> , 2017, 44, 1-20.	1.4	3
47	A Tailored Multivariate Mixture Model for Detecting Proteins of Concordant Change Among Virulent Strains of <i>Clostridium Perfringens</i> . <i>Journal of the American Statistical Association</i> , 2018, 113, 546-559.	3.1	3
48	Seeding rate effects on organic rice growth, yield, and economic returns. <i>Agronomy Journal</i> , 2020, 112, 4104-4119.	1.8	3
49	Spatial Tweedie exponential dispersion models: an application to insurance rate-making. <i>Scandinavian Actuarial Journal</i> , 2021, 2021, 1017-1036.	1.7	3
50	Model diagnostics in reduced-rank estimation. <i>Statistics and Its Interface</i> , 2016, 9, 469-484.	0.3	3
51	Integrative survival analysis with uncertain event times in application to a suicide risk study. <i>Annals of Applied Statistics</i> , 2020, 14, .	1.1	3
52	Excitation wavelength-dependent photoluminescence decay of single quantum dots near plasmonic gold nanoparticles. <i>Journal of Chemical Physics</i> , 2022, 156, 154701.	3.0	3
53	Dietary <i>Boswellia serrata</i> Acid Alters the Gut Microbiome and Blood Metabolites in Experimental Models. <i>Nutrients</i> , 2022, 14, 814.	4.1	2
54	Multivariate log-contrast regression with sub-compositional predictors: Testing the association between preterm infants' gut microbiome and neurobehavioral outcomes. <i>Statistics in Medicine</i> , 2022, 41, 580-594.	1.6	2

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55	It's All Relative: Regression Analysis with Compositional Predictors. <i>Biometrics</i> , 2023, 79, 1318-1329.	1.4	2
56	Soil microbial community responses to nitrogen application in organic and conventional rice production. <i>Soil Science Society of America Journal</i> , 2020, 84, 1885-1897.	2.2	1
57	Pursuing sources of heterogeneity in modeling clustered population. <i>Biometrics</i> , 2022, 78, 716-729.	1.4	1
58	Multivariate Functional Regression Via Nested Reduced-Rank Regularization. <i>Journal of Computational and Graphical Statistics</i> , 0, , 1-10.	1.7	1
59	The more data, the better? Demystifying deletion-based methods in linear regression with missing data. <i>Statistics and Its Interface</i> , 2022, 15, 515-526.	0.3	1
60	Principal Amalgamation Analysis for Microbiome Data. <i>Genes</i> , 2022, 13, 1139.	2.4	1
61	A probabilistic cellular automata approach for predator-prey interactions of arrowtooth flounder (<i>Atheresthes stomias</i>) and walleye pollock (<i>Theragra chalcogramma</i>) in the eastern Bering Sea. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2012, 69, 259-272.	1.4	0
62	Efficient interaction selection for clustered data via stagewise generalized estimating equations. <i>Statistics in Medicine</i> , 2020, 39, 2855-2868.	1.6	0
63	Back Cover Image. <i>Genetic Epidemiology</i> , 2020, 44, ii.	1.3	0
64	Discussion on "The timing and effectiveness of implementing mild interventions of COVID-19 in large industrial regions via a synthetic control method" by Tian & et al. <i>Statistics and Its Interface</i> , 2021, 14, 15-17.	0.3	0
65	Partially Supervised Sparse Factor Regression For Multi-Class Classification. <i>ICSA Book Series in Statistics</i> , 2016, , 323-335.	0.2	0
66	Multi-task deep learning-based survival analysis on the prognosis of late AMD using the longitudinal data in AREDS.. <i>AMIA ... Annual Symposium proceedings</i> , 2021, 2021, 506-515.	0.2	0
67	Effect of nitrogen application rate under organic and conventional systems on rice (<i>Oryza</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Nutrition, 2023, 46, 1627-1649.	1.9	0