

# 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	It's All Relative: Regression Analysis with Compositional Predictors. <i>Biometrics</i> , 2023, 79, 1318-1329.	1.4	2
2	Effect of nitrogen application rate under organic and conventional systems on rice ( <i>Oryza</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Nutrition, 2023, 46, 1627-1649.	1.9	0
3	Improving suicide risk prediction via targeted data fusion: proof of concept using medical claims data. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2022, 29, 500-511.	4.4	9
4	Pursuing sources of heterogeneity in modeling clustered population. <i>Biometrics</i> , 2022, 78, 716-729.	1.4	1
5	Alterations of host-gut microbiome interactions in multiple sclerosis. <i>EBioMedicine</i> , 2022, 76, 103798.	6.1	59
6	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
7	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
8	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
9	Multivariate log <sup>o</sup> -contrast regression with sub <sup>o</sup> -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
10	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
11	Principal Amalgamation Analysis for Microbiome Data. <i>Genes</i> , 2022, 13, 1139.	2.4	1
12	Generalized co-sparse factor regression. <i>Computational Statistics and Data Analysis</i> , 2021, 157, 107127.	1.2	5
13	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
14	Spatial Tweedie exponential dispersion models: an application to insurance rate-making. <i>Scandinavian Actuarial Journal</i> , 2021, 2021, 1017-1036.	1.7	3
15	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
16	Uncertainty in optimal fingerprinting is underestimated. <i>Environmental Research Letters</i> , 2021, 16, 084043.	5.2	9
17	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. <i>Environmental Pollution</i> , 2021, 290, 118005.	7.5	9
18	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

#	ARTICLE	IF	CITATIONS
19	Embracing study heterogeneity for finding genetic interactions in large-scale research consortia. <i>Genetic Epidemiology</i> , 2020, 44, 52-66.	1.3	4
20	Machine learning for suicide risk prediction in children and adolescents with electronic health records. <i>Translational Psychiatry</i> , 2020, 10, 413.	4.8	60
21	Efficient interaction selection for clustered data via stagewise generalized estimating equations. <i>Statistics in Medicine</i> , 2020, 39, 2855-2868.	1.6	0
22	Identifying risk factors for mortality among patients previously hospitalized for a suicide attempt. <i>Scientific Reports</i> , 2020, 10, 15223.	3.3	13
23	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
24	Seeding rate effects on organic rice growth, yield, and economic returns. <i>Agronomy Journal</i> , 2020, 112, 4104-4119.	1.8	3
25	Back Cover Image. <i>Genetic Epidemiology</i> , 2020, 44, ii.	1.3	0
26	Log-contrast regression with functional compositional predictors: Linking preterm infants' gut microbiome trajectories to neurobehavioral outcome. <i>Annals of Applied Statistics</i> , 2020, 14, 1535-1556.	1.1	16
27	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
28	SOFAR: Large-Scale Association Network Learning. <i>IEEE Transactions on Information Theory</i> , 2019, 65, 4924-4939.	2.4	24
29	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
30	Integrative Multi-View Regression: Bridging Group-Sparse and Low-Rank Models. <i>Biometrics</i> , 2019, 75, 593-602.	1.4	16
31	Robust finite mixture regression for heterogeneous targets. <i>Data Mining and Knowledge Discovery</i> , 2018, 32, 1509-1560.	3.7	6
32	Leveraging mixed and incomplete outcomes via reduced-rank modeling. <i>Journal of Multivariate Analysis</i> , 2018, 167, 378-394.	1.0	16
33	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
34	Multi-View Graph Convolutional Network and Its Applications on Neuroimage Analysis for Parkinson's Disease. <i>AMIA ... Annual Symposium proceedings</i> , 2018, 2018, 1147-1156.	0.2	16
35	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
36	Bayesian sparse reduced rank multivariate regression. <i>Journal of Multivariate Analysis</i> , 2017, 157, 14-28.	1.0	19

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37	Stagewise Generalized Estimating Equations with Grouped Variables. <i>Biometrics</i> , 2017, 73, 1332-1342.	1.4	6
38	Using Hospitalization and Mortality Data to Identify Areas at Risk for Adolescent Suicide. <i>Journal of Adolescent Health</i> , 2017, 61, 192-197.	2.5	11
39	Finite mixture modeling of censored data using the multivariate Student- $t$ distribution. <i>Journal of Multivariate Analysis</i> , 2017, 159, 151-167.	1.0	20
40	A new method for robust mixture regression. <i>Canadian Journal of Statistics</i> , 2017, 45, 77-94.	0.9	11
41	Sequential Co-Sparse Factor Regression. <i>Journal of Computational and Graphical Statistics</i> , 2017, 26, 814-825.	1.7	16
42	Soil Organic Carbon Reactivity Along the Eroding Coastline of Northern Alaska. <i>Soil Science</i> , 2017, 182, 227-232.	0.9	4
43	Analysis of Double Single Index Models. <i>Scandinavian Journal of Statistics</i> , 2017, 44, 1-20.	1.4	3
44	Barriers to HIV Medication Adherence as a Function of Regimen Simplification. <i>Annals of Behavioral Medicine</i> , 2017, 51, 67-78.	2.9	35
45	Robust reduced-rank regression. <i>Biometrika</i> , 2017, 104, 633-647.	2.4	37
46	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
47	Linking lung airway structure to pulmonary function via composite bridge regression. <i>Annals of Applied Statistics</i> , 2016, 10, 1880-1906.	1.1	5
48	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
49	Canonical variate regression. <i>Biostatistics</i> , 2016, 17, 468-483.	1.5	17
50	A note on rank reduction in sparse multivariate regression. <i>Journal of Statistical Theory and Practice</i> , 2016, 10, 100-120.	0.5	3
51	Mixture of linear mixed models using multivariate $t$ distribution. <i>Journal of Statistical Computation and Simulation</i> , 2016, 86, 771-787.	1.2	20
52	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
53	Model diagnostics in reduced-rank estimation. <i>Statistics and Its Interface</i> , 2016, 9, 469-484.	0.3	3
54	Partially Supervised Sparse Factor Regression For Multi-Class Classification. <i>ICSA Book Series in Statistics</i> , 2016, , 323-335.	0.2	0

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55	Outlier detection and robust mixture modeling using nonconvex penalized likelihood. <i>Journal of Statistical Planning and Inference</i> , 2015, 164, 27-38.	0.6	14
56	On the degrees of freedom of reduced-rank estimators in multivariate regression. <i>Biometrika</i> , 2015, 102, 457-477.	2.4	28
57	Quantitative assessment of multiscale structural and functional alterations in asthmatic populations. <i>Journal of Applied Physiology</i> , 2015, 118, 1286-1298.	2.5	67
58	Reconstructing Source-Sink Dynamics in a Population with a Pelagic Dispersal Phase. <i>PLoS ONE</i> , 2014, 9, e95316.	2.5	8
59	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
60	Robust errors-in-variables linear regression via Laplace distribution. <i>Statistics and Probability Letters</i> , 2014, 84, 113-120.	0.7	6
61	Reduced rank regression via adaptive nuclear norm penalization. <i>Biometrika</i> , 2013, 100, 901-920.	2.4	142
62	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
63	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
64	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
65	Subset ARMA selection via the adaptive Lasso. <i>Statistics and Its Interface</i> , 2011, 4, 197-205.	0.3	23
66	A note on some algorithms for the Gibbs posterior. <i>Statistics and Probability Letters</i> , 2010, 80, 1234-1241.	0.7	5
67	Multivariate Functional Regression Via Nested Reduced-Rank Regularization. <i>Journal of Computational and Graphical Statistics</i> , 0, , 1-10.	1.7	1