Jian Kang

List of Publications by Year
in descending order

90 papers	2,166 citations	279798 23 h-index	254184 43 g-index
90 all docs	90 docs citations	90 times ranked	3363 citing authors

#	Article	IF	Citations
1	Cervicovestibular rehabilitation in sport-related concussion: a randomised controlled trial. British Journal of Sports Medicine, 2014, 48, 1294-1298.	6.7	288
2	Meta-Analysis of Functional Neuroimaging Studies of Emotion Perception and Experience in Schizophrenia. Biological Psychiatry, 2012, 71, 136-145.	1.3	240
3	A Bayesian Model of Category-Specific Emotional Brain Responses. PLoS Computational Biology, 2015, 11, e1004066.	3.2	212
4	Effect of antiplatelet therapy and platelet function testing on hemorrhagic and thrombotic complications in patients with cerebral aneurysms treated with the pipeline embolization device: a review and meta-analysis. Journal of NeuroInterventional Surgery, 2016, 8, 58-65.	3.3	96
5	Colorectal Cancer Initial Diagnosis: Screening Colonoscopy, Diagnostic Colonoscopy, or Emergent Surgery, and Tumor Stage and Size at Initial Presentation. Clinical Colorectal Cancer, 2016, 15, 67-73.	2.3	96
6	An Efficient and Reliable Statistical Method for Estimating Functional Connectivity in Large Scale Brain Networks Using Partial Correlation. Frontiers in Neuroscience, 2016, 10, 123.	2.8	86
7	Involvement of Sensory Regions in Affective Experience: A Meta-Analysis. Frontiers in Psychology, 2015, 6, 1860.	2.1	78
8	Policy change eliminating body checking in non-elite ice hockey leads to a threefold reduction in injury and concussion risk in 11- and 12-year-old players. British Journal of Sports Medicine, 2016, 50, 55-61.	6.7	77
9	Incidence, mechanism and risk factors for injury in youth rock climbers. British Journal of Sports Medicine, 2015, 49, 44-50.	6.7	49
10	Meta Analysis of Functional Neuroimaging Data via Bayesian Spatial Point Processes. Journal of the American Statistical Association, 2011, 106, 124-134.	3.1	48
11	Scalar-on-image regression via the soft-thresholded Gaussian process. Biometrika, 2018, 105, 165-184.	2.4	43
12	Conditional screening for ultra-high dimensional covariates with survival outcomes. Lifetime Data Analysis, 2018, 24, 45-71.	0.9	37
13	Regression models for mixed Poisson and continuous longitudinal data. Statistics in Medicine, 2007, 26, 3782-3800.	1.6	35
14	Ventriculoperitoneal Shunt Malfunction: Cumulative Effect of Cost, Radiation, and Turnaround Time on the Patient and the Health Care System. American Journal of Roentgenology, 2014, 202, 13-17.	2.2	34
15	A parsimonious statistical method to detect groupwise differentially expressed functional connectivity networks. Human Brain Mapping, 2015, 36, 5196-5206.	3.6	31
16	An unusual haplotype structure on human chromosome 8p23 derived from the inversion polymorphism. Human Mutation, 2008, 29, 1209-1216.	2.5	30
17	Reality check: the cost–effectiveness of removing body checking from youth ice hockey. British Journal of Sports Medicine, 2014, 48, 1299-1305.	6.7	30
18	Diagnostic Utility of MRI and MR Arthrography for Detection of Ligamentum Teres Tears: A Retrospective Analysis of 187 Patients With Hip Pain. American Journal of Roentgenology, 2014, 203, 418-423.	2.2	30

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19	Assessing the representativeness of Canadian Hospitals Injury Reporting and Prevention Programme (CHIRPP) sport and recreational injury data in Calgary, Canada. International Journal of Injury Control and Safety Promotion, 2013, 20, 19-26.	2.0	29
20	Performance of Spin-Echo and Gradient-Echo T1-Weighted Sequences for Evaluation of Dural Venous Sinus Thrombosis and Stenosis. American Journal of Roentgenology, 2013, 201, 162-169.	2.2	27
21	Efficient pairwise composite likelihood estimation for spatialâ€clustered data. Biometrics, 2014, 70, 661-670.	1.4	27
22	Shorter Perceived Outpatient MRI Wait Times Associated With Higher Patient Satisfaction. Journal of the American College of Radiology, 2016, 13, 505-509.	1.8	26
23	Performance of CT ASPECTS and Collateral Score in Risk Stratification: Can Target Perfusion Profiles Be Predicted without Perfusion Imaging?. American Journal of Neuroradiology, 2016, 37, 1399-1404.	2.4	25
24	A Bayesian hierarchical spatial point process model for multi-type neuroimaging meta-analysis. Annals of Applied Statistics, 2014, 8, 1800-1824.	1.1	24
25	Cumulative Radiation Exposure Estimates of Hospitalized Patients from Radiological Imaging. Journal of the American College of Radiology, 2014, 11, 169-175.	1.8	21
26	Redefining Normal Facial Nerve Enhancement: Healthy Subject Comparison of Typical Enhancement Patternsâ€"Unenhanced and Contrast-Enhanced Spin-Echo Versus 3D Inversion Recoveryâ€"Prepared Fast Spoiled Gradient-Echo Imaging. American Journal of Roentgenology, 2014, 202, 1108-1113.	2.2	19
27	Body Temperature Modulates Infarction Growth following Endovascular Reperfusion. American Journal of Neuroradiology, 2017, 38, 46-51.	2.4	19
28	Joint analysis of mixed Poisson and continuous longitudinal data with nonignorable missing values. Computational Statistics and Data Analysis, 2010, 54, 193-207.	1.2	17
29	A depression network of functionally connected regions discovered via multi-attribute canonical correlation graphs. NeuroImage, 2016, 141, 431-441.	4.2	17
30	Missing value imputation for LC-MS metabolomics data by incorporating metabolic network and adduct ion relations. Bioinformatics, 2018, 34, 1555-1561.	4.1	17
31	Partition-based ultrahigh-dimensional variable screening. Biometrika, 2017, 104, 785-800.	2.4	15
32	An empirical Bayes normalization method for connectivity metrics in resting state fMRI. Frontiers in Neuroscience, 2015, 9, 316.	2.8	14
33	Latent and Abnormal Functional Connectivity Circuits in Autism Spectrum Disorder. Frontiers in Neuroscience, 2017, 11, 125.	2.8	14
34	Estimating large covariance matrix with network topology for high-dimensional biomedical data. Computational Statistics and Data Analysis, 2018, 127, 82-95.	1.2	14
35	AbCD: arbitrary coverage design for sequencing-based genetic studies. Bioinformatics, 2013, 29, 799-801.	4.1	13
36	Bibliometric Analysis of Manuscript Title Characteristics Associated With Higher Citation Numbers: A Comparison of Three Major Radiology Journals, AJNR, AJR, and Radiology. Current Problems in Diagnostic Radiology, 2016, 45, 356-360.	1.4	13

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37	Bayesian Sparse Mediation Analysis with Targeted Penalization of Natural Indirect Effects. Journal of the Royal Statistical Society Series C: Applied Statistics, 2021, 70, 1391-1412.	1.0	13
38	Lessons Learned from 118,970 Multidetector Computed Tomographic Intravenous Contrast Material Administrations. Journal of Computer Assisted Tomography, 2013, 37, 286-288.	0.9	12
39	Identifying functional co‐activation patterns in neuroimaging studies via poisson graphical models. Biometrics, 2014, 70, 812-822.	1.4	12
40	Bayesian modeling of dependence in brain connectivity data. Biostatistics, 2020, 21, 269-286.	1.5	12
41	Affect in the Aging Brain: A Neuroimaging Meta-Analysis of Older Vs. Younger Adult Affective Experience and Perception. Affective Science, 2020, 1, 128-154.	2.6	12
42	Magnetic Resonance Imaging of Temporomandibular Joints of Children. Journal of Oral and Maxillofacial Surgery, 2016, 74, 1723-1727.	1.2	11
43	Bayesian network feature finder (BANFF): an R package for gene network feature selection. Bioinformatics, 2016, 32, 3685-3687.	4.1	11
44	Altered Mental Status in ICU Patients: Diagnostic Yield of Noncontrast Head CT for Abnormal and Communicable Findings. Critical Care Medicine, 2016, 44, e1180-e1185.	0.9	11
45	Network Marker Selection for Untargeted LC‐MS Metabolomics Data. Journal of Proteome Research, 2017, 16, 1261-1269.	3.7	11
46	A Bayesian nonparametric mixture model for selecting genes and gene subnetworks. Annals of Applied Statistics, 2014, 8, 999-1021.	1.1	10
47	Across‐Platform Imputation of DNA Methylation Levels Incorporating Nonlocal Information Using Penalized Functional Regression. Genetic Epidemiology, 2016, 40, 333-340.	1.3	10
48	Covariance-insured screening. Computational Statistics and Data Analysis, 2019, 132, 100-114.	1.2	10
49	Assessing remedies for missing weekly individual exposure in sport injury studies. Injury Prevention, 2014, 20, 177-182.	2.4	9
50	Bayesian Multiresolution Variable Selection for Ultra-High Dimensional Neuroimaging Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 537-550.	3.0	9
51	Bayesian hierarchical models for high‐dimensional mediation analysis with coordinated selection of correlated mediators. Statistics in Medicine, 2021, 40, 6038-6056.	1.6	8
52	A Bayesian nonparametric model for spatially distributed multivariate binary data with application to a multidrug‐resistant tuberculosis (MDR‐TB) study. Biometrics, 2014, 70, 981-992.	1.4	7
53	Editorial: Recent Advances and Challenges on Big Data Analysis in Neuroimaging. Frontiers in Neuroscience, 2016, 10, 505.	2.8	7
54	A spatial Bayesian latent factor model for image‐on‐image regression. Biometrics, 2022, 78, 72-84.	1.4	7

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55	Bayesian Network Marker Selection via the Thresholded Graph Laplacian Gaussian Prior. Bayesian Analysis, 2020, 15, 79-102.	3.0	7
56	Statistical methods for the meta-analysis of diagnostic tests must take into account the use of surrogate standards. Journal of Clinical Epidemiology, 2013, 66, 566-574.e1.	5.0	6
57	A Bayesian hierarchical model with novel prior specifications for estimating HIV testing rates. Statistics in Medicine, 2016, 35, 1471-1487.	1.6	6
58	Semiparametric Bayes conditional graphical models for imaging genetics applications. Stat, 2016, 5, 322-337.	0.4	6
59	A Bayesian Spatial Model to Predict Disease Status Using Imaging Data From Various Modalities. Frontiers in Neuroscience, 2018, 12, 184.	2.8	6
60	A selective overview of feature screening methods with applications to neuroimaging data. Wiley Interdisciplinary Reviews: Computational Statistics, 2019, 11, e1454.	3.9	6
61	Optimizing Graphical Procedures for Multiplicity Control in a Confirmatory Clinical Trial via Deep Learning. Statistics in Biopharmaceutical Research, 2020, 14, 1-11.	0.8	6
62	Identifying Activation Centers with Spatial Cox Point Processes Using fMRI Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 1130-1141.	3.0	5
63	Bayesian Inferences on Neural Activity in EEG-Based Brain-Computer Interface. Journal of the American Statistical Association, 2022, 117, 1122-1133.	3.1	5
64	Stratified Cox models with time‑varying effects for national kidney transplant patients: A new blockwise steepest ascent method. Biometrics, 2022, 78, 1221-1232.	1.4	4
65	Distributional independent component analysis for diverse neuroimaging modalities. Biometrics, 2022, 78, 1092-1105.	1.4	4
66	Roles Played by Stress-Induced Pathways in Driving Ethnic Heterogeneity for Inflammatory Skin Diseases. Frontiers in Immunology, 2022, 13, 845655.	4.8	4
67	Metapone: a Bioconductor package for joint pathway testing for untargeted metabolomics data. Bioinformatics, 2022, 38, 3662-3664.	4.1	4
68	Scanning for signatures of geographically restricted selection based on population genomics analysis. Science Bulletin, 2007, 52, 2649-2656.	1.7	3
69	Deep historical borrowing framework to prospectively and simultaneously synthesize control information in confirmatory clinical trials with multiple endpoints. Journal of Biopharmaceutical Statistics, 2022, 32, 90-106.	0.8	3
70	Scalable proximal methods for cause-specific hazard modeling with time-varying coefficients. Lifetime Data Analysis, 2022, 28, 194-218.	0.9	3
71	Imaging quality of F-18-FDG PET/CT in the inpatient versus outpatient setting. Annals of Nuclear Medicine, 2013, 27, 508-514.	2.2	2
72	Absorbed Radiation Dose in Radiosensitive Organs Using 64- and 320-Row Multidetector Computed Tomography: A Comparative Study. Scientifica, 2014, 2014, 1-6.	1.7	2

#	ARTICLE	IF	CITATIONS
73	High-dimensional tests for functional networks of brain anatomic regions. Journal of Multivariate Analysis, 2017, 156, 70-88.	1.0	2
74	Finite-Sample Two-Group Composite Hypothesis Testing via Machine Learning. Journal of Computational and Graphical Statistics, 2022, 31, 856-865.	1.7	2
75	Spatiotemporal distribution and control measure evaluation of droplets and aerosol clouds in dental procedures. Infection Control and Hospital Epidemiology, 2022, , 1-3.	1.8	2
76	Detecting Spatial Clusters via a Mixture of Dirichlet Processes. Journal of Probability and Statistics, 2018, 2018, 1-12.	0.7	1
77	Discussion of â€œStatistical disease mapping forÂheterogeneous neuroimaging studiesâ€• Canadian Journal of Statistics, 2021, 49, 35-38.	0.9	1
78	Rejoinder to discussions of â€œdistributional independent component analysis for diverse neuroimaging modalitiesâ€• Biometrics, 2022, 78, 1122-1126.	1.4	1
79	Feature selection and classification over the network with missing node observations. Statistics in Medicine, 2022, 41, 1242-1262.	1.6	1
80	On predictability of individual functional connectivity networks from clinical characteristics. Human Brain Mapping, 0, , .	3.6	1
81	Reply to: Neurobiology of Emotional Dysfunction in Schizophrenia: New Directions Revealed Through Meta-Analyses. Biological Psychiatry, 2012, 71, e25.	1.3	0
82	Local Mixed-Effects Fitting for Detecting Reproductive Hormone Surge Times. Statistics in Biosciences, 2012, 4, 245-261.	1.2	0
83	Optimal section thickness for detection of polyps at MR: resolution phantom study. Abdominal Imaging, 2015, 40, 1451-1456.	2.0	0
84	Discussion of â€œFiber direction estimation in diffusion MRIâ€• Annals of Applied Statistics, 2016, 10, 1162-1165.	1.1	0
85	In Reply. Journal of Oral and Maxillofacial Surgery, 2016, 74, 1711-1712.	1.2	0
86	Determination of Normal Distribution of Distended Colon Volumes to Guide Performance of Colonic Imaging With Fluid Distention. Current Problems in Diagnostic Radiology, 2016, 45, 185-188.	1.4	0
87	Feature screening under missing indicator imputation with non-ignorable missing response. Computational Statistics and Data Analysis, 2020, 149, 106975.	1.2	0
88	ADAPtation of Platelet Integrin Î±IIbÎ²3 to Inside-Out Activation Signals. Blood, 2011, 118, 188-188.	1.4	0
89	Discussion to: Bayesian graphical models for modern biological applications by Y. Ni, V. Baladandayuthapani, M. Vannucci and F.C. Stingo. Statistical Methods and Applications, 0, , 1.	1.2	0
90	Bayesian Interaction Selection Model for Multimodal Neuroimaging Data Analysis. Biometrics, 2023, 79, 655-668.	1.4	0