

E L Kang

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

794
citations

687363

13
h-index

501196

28
g-index

40
all docs

40
docs citations

40
times ranked

1178
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational and statistical analysis of metabolomics data. <i>Metabolomics</i> , 2015, 11, 1492-1513.	3.0	169
2	Fixed Rank Filtering for Spatio-Temporal Data. <i>Journal of Computational and Graphical Statistics</i> , 2010, 19, 724-745.	1.7	137
3	Bayesian Inference for the Spatial Random Effects Model. <i>Journal of the American Statistical Association</i> , 2011, 106, 972-983.	3.1	56
4	Using temporal variability to improve spatial mapping with application to satellite data. <i>Canadian Journal of Statistics</i> , 2010, 38, 271-289.	0.9	54
5	Improving MODIS snow products with a HMRF-based spatio-temporal modeling technique in the Upper Rio Grande Basin. <i>Remote Sensing of Environment</i> , 2018, 204, 568-582.	11.0	49
6	Statistical analysis of small-area data based on independence, spatial, non-hierarchical, and hierarchical models. <i>Computational Statistics and Data Analysis</i> , 2009, 53, 3016-3032.	1.2	33
7	A spectral space partition guided ensemble method for retrieving chlorophyll-a concentration in inland waters from Sentinel-2A satellite imagery. <i>Journal of Great Lakes Research</i> , 2019, 45, 454-465.	1.9	29
8	Assessing the effects of bus stop relocation on street robbery. <i>Computers, Environment and Urban Systems</i> , 2020, 80, 101455.	7.1	26
9	Combining Outputs from the North American Regional Climate Change Assessment Program by Using A Bayesian Hierarchical Model. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2012, 61, 291-313.	1.0	23
10	Bayesian Hierarchical ANOVA of Regional Climate-Change Projections from NARCCAP Phase II. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2013, 22, 3-15.	2.8	17
11	Modeling Spatial Frailties in Survival Analysis of Cucurbit Downy Mildew Epidemics. <i>Phytopathology</i> , 2013, 103, 216-227.	2.2	17
12	Filtering Partially Observed Multiscale Systems with Heterogeneous Multiscale Methodsâ€‘Based Reduced Climate Models. <i>Monthly Weather Review</i> , 2012, 140, 860-873.	1.4	16
13	Smoothing splines for trend estimation and prediction in time series. <i>Environmetrics</i> , 2009, 20, 249-259.	1.4	14
14	Filtering nonlinear spatio-temporal chaos with autoregressive linear stochastic models. <i>Physica D: Nonlinear Phenomena</i> , 2012, 241, 1099-1113.	2.8	14
15	A Robust Fixed Rank Kriging Method for Improving the Spatial Completeness and Accuracy of Satellite SST Products. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 5021-5035.	6.3	14
16	Sensitivity and uncertainty quantification for the ECOSTRESS evapotranspiration algorithm â€‘DisALEXI. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 89, 102088.	2.8	13
17	Spatioâ€‘Temporal data fusion for massive sea surface temperature data from MODIS and AMSRâ€‘ instruments. <i>Environmetrics</i> , 2020, 31, e2594.	1.4	12
18	A Fused Gaussian Process Model for Very Large Spatial Data. <i>Journal of Computational and Graphical Statistics</i> , 2020, 29, 479-489.	1.7	11

#	ARTICLE	IF	CITATIONS
19	Spatio-temporal Cokriging method for assimilating and downscaling multi-scale remote sensing data. <i>Remote Sensing of Environment</i> , 2021, 255, 112190.	11.0	10
20	Past the Precipice? Projected Coral Habitability Under Global Heating. <i>Earth's Future</i> , 2022, 10, .	6.3	9
21	Spatial data fusion for large non-Gaussian remote sensing datasets. <i>Stat</i> , 2017, 6, 390-404.	0.4	7
22	Ecosystem responses to elevated CO ₂ using airborne remote sensing at Mammoth Mountain, California. <i>Biogeosciences</i> , 2018, 15, 7403-7418.	3.3	7
23	Regression models with memory for the linear response of turbulent dynamical systems. <i>Communications in Mathematical Sciences</i> , 2013, 11, 481-498.	1.0	7
24	Hot Enough for You? A Spatial Exploratory and Inferential Analysis of North American Climate-Change Projections. <i>Mathematical Geosciences</i> , 2016, 48, 107-121.	2.4	6
25	An additive approximate Gaussian process model for large spatio-temporal data. <i>Environmetrics</i> , 2019, 30, e2569.	1.4	6
26	Spatial Statistical Downscaling for Constructing High-Resolution Nature Runs in Global Observing System Simulation Experiments. <i>Technometrics</i> , 2019, 61, 322-340.	1.9	6
27	Hierarchical Bayesian Model Based on Robust Fixed Rank Filter for Fusing MODIS SST and AMSR-E SST. <i>Photogrammetric Engineering and Remote Sensing</i> , 2019, 85, 119-131.	0.6	6
28	Spatial analysis and visualization of global data on multi-resolution hexagonal grids. <i>Japanese Journal of Statistics and Data Science</i> , 2020, 3, 107-128.	1.2	6
29	Computer Model Emulation with High-Dimensional Functional Output in Large-Scale Observing System Uncertainty Experiments. <i>Technometrics</i> , 2022, 64, 65-79.	1.9	5
30	Hierarchical Bayesian nearest neighbor co-kriging Gaussian process models; an application to intersatellite calibration. <i>Spatial Statistics</i> , 2021, 44, 100516.	1.9	5
31	Computationally efficient nonstationary nearest-neighbor Gaussian process models using data-driven techniques. <i>Environmetrics</i> , 2019, 30, e2571.	1.4	3
32	Improving Satellite Waveform Altimetry Measurements With a Probabilistic Relaxation Algorithm. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 4733-4748.	6.3	3
33	Randomized algorithms of maximum likelihood estimation with spatial autoregressive models for large-scale networks. <i>Statistics and Computing</i> , 2019, 29, 1165-1179.	1.5	1
34	MCEN: a method of simultaneous variable selection and clustering for high-dimensional multinomial regression. <i>Statistics and Computing</i> , 2020, 30, 291-304.	1.5	1
35	Traffic restrictions during the 2008 Olympic Games reduced urban heat intensity and extent in Beijing. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	1