Xiaoke Zhang

List of Publications by Year
in descending order

28 papers	402 citations	1163117 8 h-index	888059 17 g-index
29 all docs	29 docs citations	29 times ranked	306 citing authors

#	Article	IF	Citations
1	From sparse to dense functional data and beyond. Annals of Statistics, 2016, 44, .	2.6	119
2	Spontaneous Neural Fluctuations Predict Decisions to Attend. Journal of Cognitive Neuroscience, 2014, 26, 2578-2584.	2.3	44
3	Time-Varying Additive Models for Longitudinal Data. Journal of the American Statistical Association, 2013, 108, 983-998.	3.1	39
4	Quantifying Infinite-Dimensional Data: Functional Data Analysis in Action. Statistics in Biosciences, 2017, 9, 582-604.	1.2	27
5	Varying-coefficient additive models for functional data. Biometrika, 2015, 102, 15-32.	2.4	19
6	A Physics-based Virtual Reality Simulation Framework for Neonatal Endotracheal Intubation. , 2020, , .		16
7	Understanding the liver under heat stress with statistical learning: an integrated metabolomics and transcriptomics computational approach. BMC Genomics, 2019, 20, 502.	2.8	15
8	Optimal weighting schemes for longitudinal and functional data. Statistics and Probability Letters, 2018, 138, 165-170.	0.7	14
9	Understanding Differences in Types of Opioid Prescriptions Across Time and Space: A Community-Level Analysis. Journal of Drug Issues, 2019, 49, 405-418.	1.2	11
10	Region of interest selection for functional features. Neurocomputing, 2021, 422, 235-244.	5.9	11
11	An Intelligent Augmented Reality Training Framework for Neonatal Endotracheal Intubation. , 2020, 2020, 672-681.		11
12	Nonparametric operator-regularized covariance function estimation for functional data. Computational Statistics and Data Analysis, 2019, 131, 131-144.	1.2	8
13	3D Shape-Based Body Composition Inference Model Using a Bayesian Network. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 205-213.	6.3	8
14	A Physics-based Virtual Reality Simulation Framework for Neonatal Endotracheal Intubation. , 2020, 2020, 557-565.		8
15	A Novel Hybrid Model for Visceral Adipose Tissue Prediction using Shape Descriptors. , 2019, 2019, 1729-1732.		7
16	Low-Rank Covariance Function Estimation for Multidimensional Functional Data. Journal of the American Statistical Association, 2020, , 1-14.	3.1	7
17	The Development of a BMI-Guided Shape Morphing Technique and the Effects of an Individualized Figure Rating Scale on Self-Perception of Body Size. European Journal of Investigation in Health, Psychology and Education, 2020, 10, 579-594.	1.9	7
18	Automated Assessment System for Neonatal Endotracheal Intubation Using Dilated Convolutional Neural Network. , 2020, 2020, 5455-5458.		5

#	ARTICLE	IF	CITATIONS
19	Identifying mechanisms of regulation to model carbon flux during heat stress and generate testable hypotheses. PLoS ONE, 2018, 13, e0205824.	2.5	4
20	Automated Assessment of Neonatal Endotracheal Intubation Measured by a Virtual Reality Simulation System. , 2020, 2020, 2429-2433.		4
21	A new approach to varying-coefficient additive models with longitudinal covariates. Computational Statistics and Data Analysis, 2020, 145, 106912.	1.2	4
22	Pixel-wise body composition prediction with a multi-task conditional generative adversarial network. Journal of Biomedical Informatics, 2021, 120, 103866.	4.3	3
23	Covariate balancing functional propensity score for functional treatments in cross-sectional observational studies. Computational Statistics and Data Analysis, 2021, 163, 107303.	1.2	3
24	A Wavelet-Based Independence Test for Functional Data With an Application to MEG Functional Connectivity. Journal of the American Statistical Association, 2023, 118, 1876-1889.	3.1	3
25	S2FLNet: Hepatic steatosis detection network with body shape. Computers in Biology and Medicine, 2022, 140, 105088.	7.0	2
26	Automated Assessment System with Cross Reality for Neonatal Endotracheal Intubation Training. , 2020, 2020, 738-739.		1
27	Large sample properties of a new measure of income inequality. Statistics and Probability Letters, 2019, 145, 50-56.	0.7	0
28	An Intelligent Augmented Reality Training Framework for Neonatal Endotracheal Intubation. Proceedings - International Symposium on Mixed and Augmented Reality, ISMAR, 2020, 2020, 672-681.	0.0	0