

Shengkun Xie

List of Publications by Year in descending order

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44
papers

335
citations

1478280

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940416

16
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46
all docs

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docs citations

46
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	The Determinants of Outward Foreign Direct Investment from Latin America and the Caribbean: An Integrated Entropy-Based TOPSIS Multiple Regression Analysis Framework. <i>Journal of Risk and Financial Management</i> , 2022, 15, 130.	1.1	6
2	Feature extraction of auto insurance size of loss data using functional principal component analysis. <i>Expert Systems With Applications</i> , 2022, 198, 116780.	4.4	3
3	Measuring Variable Importance in Generalized Linear Models for Modeling Size of Loss Distributions. <i>Mathematics</i> , 2022, 10, 1630.	1.1	4
4	Optimal number of clusters in explainable data analysis of agent-based simulation experiments. <i>Journal of Computational Science</i> , 2022, 62, 101685.	1.5	5
5	Wavelet Power Spectral Domain Functional Principal Component Analysis for Feature Extraction of Epileptic EEGs. <i>Computation</i> , 2021, 9, 78.	1.0	3
6	Improving Explainability of Major Risk Factors in Artificial Neural Networks for Auto Insurance Rate Regulation. <i>Risks</i> , 2021, 9, 126.	1.3	6
7	Signal-averaged resting sympathetic transduction of blood pressure: is it time to account for prevailing muscle sympathetic burst frequency?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R484-R494.	0.9	16
8	Estimating Territory Risk Relativity for Auto Insurance Rate Regulation using Generalized Linear Mixed Models. , 2021, , .		1
9	Modelling Autonomous Agents's Decisions in Learning to Cross a Cellular Automaton-Based Highway via Artificial Neural Networks. <i>Computation</i> , 2020, 8, 64.	1.0	1
10	Improving Statistical Reporting Data Explainability via Principal Component Analysis. , 2020, , .		0
11	Fourier Spectral Domain Functional Principal Component Analysis of EEG Signals. <i>Lecture Notes in Computer Science</i> , 2020, , 3-22.	1.0	0
12	Modeling and Analysis of Autonomous Agents's Decisions in Learning to Cross a Cellular Automaton-Based Highway. <i>Computation</i> , 2019, 7, 53.	1.0	2
13	Defining Geographical Rating Territories in Auto Insurance Regulation by Spatially Constrained Clustering. <i>Risks</i> , 2019, 7, 42.	1.3	5
14	Improving Data Explainability in Analysis of Designed Computer Simulation Experiments. , 2019, , .		0
15	Feature Extraction of Epileptic EEG using Wavelet Power Spectra and Functional PCA. , 2019, 2019, 2551-2554.		0
16	Feature Extraction of Epileptic EEG in Spectral Domain via Functional Data Analysis. , 2019, , .		2
17	Estimating Major Risk Factor Relativities in Rate Filings Using Generalized Linear Models. <i>International Journal of Financial Studies</i> , 2018, 6, 84.	1.1	9
18	Model Based Sparse Feature Extraction for Biomedical Signal Classification. <i>International Journal of Statistics in Medical Research</i> , 2017, 6, 10-21.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Effects of model parameter interactions on Naïve creatures' success of learning to cross a highway. , 2016, , .		4
20	Effects of Agentsâ€™ Fear, Desire and Knowledge on Their Success When Crossing a CA Based Highway. Lecture Notes in Computer Science, 2016, , 446-455.	1.0	1
21	Dynamic Principal Component Analysis with Nonoverlapping Moving Window and Its Applications to Epileptic EEG Classification. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	14
22	Wavelet-based sparse functional linear model with applications to EEGs seizure detection and epilepsy diagnosis. Medical and Biological Engineering and Computing, 2013, 51, 49-60.	1.6	91
23	Study of Stationary Load Increase of Computer-Network Traffic via Dynamic Principal-Component Analysis. , 2012, 2012, 1-10.		0
24	Wavelet Kernel Principal Component Analysis in Noisy Multiscale Data Classification. , 2012, 2012, 1-13.		7
25	Sparse principal component extraction and classification of long-term biomedical signals. , 2012, , .		5
26	Analysis of communication network surveillance using functional ANOVA model with unequal variances. , 2012, , .		0
27	Time-Frequency Analysis via Ramanujan Sums. IEEE Signal Processing Letters, 2012, 19, 352-355.	2.1	45
28	Learning sparse dictionary for long-term biomedical signal classification and clustering. , 2012, , .		4
29	Signal feature extraction by multi-scale PCA and its application to respiratory sound classification. Medical and Biological Engineering and Computing, 2012, 50, 759-768.	1.6	41
30	Signal decomposition by multi-scale PCA and its applications to long-term EEG signal classification. , 2011, , .		15
31	Sparse approximation of long-term biomedical signals for classification via dynamic PCA. , 2011, 2011, 7167-70.		1
32	Detection of stationary network load increase using univariate network aggregate traffic data by dynamic PCA. , 2011, , .		2
33	Signal classification via multi-scale PCA and empirical classification methods. International Journal of Mechatronics and Automation, 2011, 1, 213.	0.1	4
34	Number of packets in transit as a function of source load and routing. Procedia Computer Science, 2010, 1, 2363-2370.	1.2	3
35	Impact of source load and routing on QoS of packets delivery. Journal of Computational Science, 2010, 1, 121-129.	1.5	5
36	Features extraction via wavelet kernel PCA for data classification. , 2010, , .		3

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37	Feature extraction via dynamic PCA for epilepsy diagnosis and epileptic seizure detection. , 2010, , .		2
38	A comparative study of noise effect on wavelet based de-noising methods. , 2009, , .		1
39	A Case Study of ICA with Multi-scale PCA of Simulated Traffic Data. Lecture Notes in Computer Science, 2009, , 358-367.	1.0	0
40	Parametric & non-parametric analysis of mean treatment effects of number of packets in transit in data network model. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	2
41	Study of number of packets in transit in a data network model near onset of congestion using functional fixed effect models. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	3
42	Wavelet-Domain Statistics of Packet Switching Networks Near Traffic Congestion. Lecture Notes in Computer Science, 2008, , 268-279.	1.0	3
43	Study of Packet Traffic Fluctuations Near Phase Transition Point from Free Flow to Congestion in Data Network Model. , 2007, , .		9
44	Wavelet Spectral Analysis of Packet Traffic Near Phase Transition Point from Free Flow to Congestion in Data Network Model. , 2007, , .		3