

Shengkun Xie

List of Publications by Year in descending order

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44
papers

335
citations

1478280

6
h-index

940416

16
g-index

46
all docs

46
docs citations

46
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Time-Frequency Analysis via Ramanujan Sums. IEEE Signal Processing Letters, 2012, 19, 352-355.	2.1	45
3	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
4	Signal-averaged resting sympathetic transduction of blood pressure: is it time to account for prevailing muscle sympathetic burst frequency?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 321, R484-R494.	0.9	16
5	Signal decomposition by multi-scale PCA and its applications to long-term EEG signal classification. , 2011, , .		15
6	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
7	Study of Packet Traffic Fluctuations Near Phase Transition Point from Free Flow to Congestion in Data Network Model. , 2007, , .		9
8	Estimating Major Risk Factor Relativities in Rate Filings Using Generalized Linear Models. International Journal of Financial Studies, 2018, 6, 84.	1.1	9
9	Wavelet Kernel Principal Component Analysis in Noisy Multiscale Data Classification. , 2012, 2012, 1-13.		7
10	Improving Explainability of Major Risk Factors in Artificial Neural Networks for Auto Insurance Rate Regulation. Risks, 2021, 9, 126.	1.3	6
11	The Determinants of Outward Foreign Direct Investment from Latin America and the Caribbean: An Integrated Entropy-Based TOPSIS Multiple Regression Analysis Framework. Journal of Risk and Financial Management, 2022, 15, 130.	1.1	6
12	Impact of source load and routing on QoS of packets delivery. Journal of Computational Science, 2010, 1, 121-129.	1.5	5
13	Sparse principal component extraction and classification of long-term biomedical signals. , 2012, , .		5
14	Defining Geographical Rating Territories in Auto Insurance Regulation by Spatially Constrained Clustering. Risks, 2019, 7, 42.	1.3	5
15	Optimal number of clusters in explainable data analysis of agent-based simulation experiments. Journal of Computational Science, 2022, 62, 101685.	1.5	5
16	Signal classification via multi-scale PCA and empirical classification methods. International Journal of Mechatronics and Automation, 2011, 1, 213.	0.1	4
17	Learning sparse dictionary for long-term biomedical signal classification and clustering. , 2012, , .		4
18	Effects of model parameter interactions on Naïve creatures' success of learning to cross a highway. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
19	Measuring Variable Importance in Generalized Linear Models for Modeling Size of Loss Distributions. Mathematics, 2022, 10, 1630.	1.1	4
20	Wavelet Spectral Analysis of Packet Traffic Near Phase Transition Point from Free Flow to Congestion in Data Network Model. , 2007, , .		3
21	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
22	Number of packets in transit as a function of source load and routing. Procedia Computer Science, 2010, 1, 2363-2370.	1.2	3
23	Features extraction via wavelet kernel PCA for data classification. , 2010, , .		3
24	Wavelet Power Spectral Domain Functional Principal Component Analysis for Feature Extraction of Epileptic EEGs. Computation, 2021, 9, 78.	1.0	3
25	Model Based Sparse Feature Extraction for Biomedical Signal Classification. International Journal of Statistics in Medical Research, 2017, 6, 10-21.	0.5	3
26	Wavelet-Domain Statistics of Packet Switching Networks Near Traffic Congestion. Lecture Notes in Computer Science, 2008, , 268-279.	1.0	3
27	Feature extraction of auto insurance size of loss data using functional principal component analysis. Expert Systems With Applications, 2022, 198, 116780.	4.4	3
28	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
29	Feature extraction via dynamic PCA for epilepsy diagnosis and epileptic seizure detection. , 2010, , .		2
30	Detection of stationary network load increase using univariate network aggregate traffic data by dynamic PCA. , 2011, , .		2
31	Modeling and Analysis of Autonomous Agentsâ€™ Decisions in Learning to Cross a Cellular Automaton-Based Highway. Computation, 2019, 7, 53.	1.0	2
32	Feature Extraction of Epileptic EEG in Spectral Domain via Functional Data Analysis. , 2019, , .		2
33	A comparative study of noise effect on wavelet based de-noising methods. , 2009, , .		1
34	Sparse approximation of long-term biomedical signals for classification via dynamic PCA. , 2011, 2011, 7167-70.		1
35	Modelling Autonomous Agentsâ€™ Decisions in Learning to Cross a Cellular Automaton-Based Highway via Artificial Neural Networks. Computation, 2020, 8, 64.	1.0	1
36	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

#	ARTICLE	IF	CITATIONS
37	Estimating Territory Risk Relativity for Auto Insurance Rate Regulation using Generalized Linear Mixed Models. , 2021, , .		1
38	Study of Stationary Load Increase of Computer-Network Traffic via Dynamic Principal-Component Analysis. , 2012, 2012, 1-10.		0
39	Analysis of communication network surveillance using functional ANOVA model with unequal variances. , 2012, , .		0
40	Improving Data Explainability in Analysis of Designed Computer Simulation Experiments. , 2019, , .		0
41	Feature Extraction of Epileptic EEG using Wavelet Power Spectra and Functional PCA. , 2019, 2019, 2551-2554.		0
42	A Case Study of ICA with Multi-scale PCA of Simulated Traffic Data. Lecture Notes in Computer Science, 2009, , 358-367.	1.0	0
43	Improving Statistical Reporting Data Explainability via Principal Component Analysis. , 2020, , .		0
44	Fourier Spectral Domain Functional Principal Component Analysis of EEG Signals. Lecture Notes in Computer Science, 2020, , 3-22.	1.0	0