Wenbin Shi

List of Publications by Year
in descending order

25 papers	685 citations	687363 13 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	657 citing authors

#	Article	IF	Citations
1	Nonlinear dynamical analysis of sleep electroencephalography using fractal and entropy approaches. Sleep Medicine Reviews, 2018, 37, 85-93.	8.5	113
2	Cross-sample entropy statistic as a measure of synchronism and cross-correlation of stock markets. Nonlinear Dynamics, 2013, 71, 539-554.	5.2	76
3	Multiscale multifractal detrended cross-correlation analysis of financial time series. Physica A: Statistical Mechanics and Its Applications, 2014, 403, 35-44.	2.6	75
4	A comparison study on stages of sleep: Quantifying multiscale complexity using higher moments on coarse-graining. Communications in Nonlinear Science and Numerical Simulation, 2017, 44, 292-303.	3.3	53
5	Permutation and weighted-permutation entropy analysis for the complexity of nonlinear time series. Communications in Nonlinear Science and Numerical Simulation, 2016, 31, 60-68.	3.3	48
6	Classifying of financial time series based on multiscale entropy and multiscale time irreversibility. Physica A: Statistical Mechanics and Its Applications, 2014, 400, 151-158.	2.6	46
7	Subthalamic nucleus oscillations correlate with vulnerability to freezing of gait in patients with Parkinson's disease. Neurobiology of Disease, 2019, 132, 104605.	4.4	36
8	Robust Fetal Heart Beat Detection via R-Peak Intervals Distribution. IEEE Transactions on Biomedical Engineering, 2019, 66, 3310-3319.	4.2	36
9	EMD based refined composite multiscale entropy analysis of complex signals. Physica A: Statistical Mechanics and Its Applications, 2015, 421, 583-593.	2.6	33
10	Identifying Phase-Amplitude Coupling in Cyclic Alternating Pattern using Masking Signals. Scientific Reports, 2018, 8, 2649.	3.3	27
11	Cross-Frequency Transfer Entropy Characterize Coupling of Interacting Nonlinear Oscillators in Complex Systems. IEEE Transactions on Biomedical Engineering, 2019, 66, 521-529.	4.2	27
12	The coupling analysis of stock market indices based on cross-permutation entropy. Nonlinear Dynamics, 2015, 79, 2439-2447.	5.2	21
13	Generalized multiscale Lempel–Ziv complexity of cyclic alternating pattern during sleep. Nonlinear Dynamics, 2018, 93, 1899-1910.	5.2	21
14	Dissimilarity measure based on ordinal pattern for physiological signals. Communications in Nonlinear Science and Numerical Simulation, 2016, 37, 115-124.	3.3	14
15	Waveform changes with the evolution of beta bursts in the human subthalamic nucleus. Clinical Neurophysiology, 2020, 131, 2086-2099.	1.5	13
16	Large deviations estimates for the multiscale analysis of traffic speed time series. Physica A: Statistical Mechanics and Its Applications, 2015, 421, 562-570.	2.6	10
17	A novel method of visualizing q-complexity-entropy curve in the multiscale fashion. Nonlinear Dynamics, 2019, 97, 2813-2828.	5.2	9
18	Frequency Nesting Interactions in the Subthalamic Nucleus Correlate With the Step Phases for Parkinson's Disease. Frontiers in Physiology, 2022, 13, 890753.	2.8	8

#	Article	IF	Citations
19	The multiscale analysis between stock market time series. International Journal of Modern Physics C, 2015, 26, 1550071.	1.7	5
20	The coupling analysis between stock market indices based on permutation measures. Physica A: Statistical Mechanics and Its Applications, 2016, 447, 222-231.	2.6	5
21	Probing age-related changes in cardio-respiratory dynamics by multimodal coupling assessment. Chaos, 2020, 30, 033118.	2.5	4
22	The multiscale large deviation spectrum based on higher moments for financial time series. Nonlinear Dynamics, 2018, 94, 597-613.	5.2	3
23	Investigating Variational Phase-Amplitude Coupling in EEG-based Emotion Recognition. , 2021, , .		1
24	Query-based-learning mortality-related decoders for the developed island economy. Scientific Reports, 2022, 12, 956.	3.3	1
25	Measuring multiscale complexity in human sleep electroencephalography. , 2019, , .		0