Huijie Yang

List of Publications by Year
in descending order

66 papers	1,186 citations	567144 15 h-index	414303 32 g-index
66 all docs	66 docs citations	66 times ranked	782 citing authors

#	Article	IF	Citations
1	Complex network-based time series analysis. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 1381-1386.	1.2	301
2	Visibility graph approach to exchange rate series. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4431-4437.	1.2	116
3	Visibility Graph Based Time Series Analysis. PLoS ONE, 2015, 10, e0143015.	1.1	94
4	Synchronization of chaotic systems and their machine-learning models. Physical Review E, 2019, 99, 042203.	0.8	94
5	Visibility graphlet approach to chaotic time series. Chaos, 2016, 26, 053107.	1.0	34
6	Impact of dispersed coupling strength on the free running periods of circadian rhythms. Physical Review E, 2016, 93, 032414.	0.8	27
7	Hurst exponents for short time series. Physical Review E, 2011, 84, 066114.	0.8	24
8	Noise Induces Oscillation and Synchronization of the Circadian Neurons. PLoS ONE, 2015, 10, e0145360.	1.1	23
9	Evaluation of scale invariance in physiological signals by means of balanced estimation of diffusion entropy. Physical Review E, 2012, 86, 056107.	0.8	22
10	Locating multiple diffusion sources in time varying networks from sparse observations. Scientific Reports, 2018, 8, 2685.	1.6	22
11	Long-term memories in online users' selecting activities. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2591-2596.	0.9	21
12	The synchronization of neuronal oscillators determined by the directed network structure of the suprachiasmatic nucleus under different photoperiods. Scientific Reports, 2016, 6, 28878.	1.6	21
13	The effects of non-self-sustained oscillators on the en-trainment ability of the suprachiasmatic nucleus. Scientific Reports, 2016, 6, 37661.	1.6	17
14	Mapping topological characteristics of dynamical systems into neural networks: A reservoir computing approach. Physical Review E, 2020, 102, 033314.	0.8	17
15	Evaluation of Scaling Invariance Embedded in Short Time Series. PLoS ONE, 2014, 9, e116128.	1.1	16
16	Heterogeneity induces rhythms of weakly coupled circadian neurons. Scientific Reports, 2016, 6, 21412.	1.6	16
17	Immediate causality network of stock markets. Europhysics Letters, 2018, 121, 48002.	0.7	16
18	Long-Range Correlations in Sentence Series from A Story of the Stone. PLoS ONE, 2016, 11, e0162423.	1.1	15

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19	Multifractals embedded in short time series: An unbiased estimation of probability moment. Physical Review E, 2016, 94, 062201.	0.8	15
20	The circadian rhythm induced by the heterogeneous network structure of the suprachiasmatic nucleus. Chaos, 2016, 26, 053112.	1.0	15
21	Entrainment range of the suprachiasmatic nucleus affected by the difference in the neuronal amplitudes between the light-sensitive and light-insensitive regions. Physical Review E, 2017, 95, 042409.	0.8	14
22	Complexities of human promoter sequences. Journal of Theoretical Biology, 2007, 247, 645-649.	0.8	13
23	Differences in intrinsic amplitudes of neuronal oscillators improve synchronization in the suprachiasmatic nucleus. Chaos, 2017, 27, 093108.	1.0	13
24	Dissociation between two subgroups of the suprachiasmatic nucleus affected by the number of damped oscillated neurons. Physical Review E, 2017, 95, 032302.	0.8	12
25	Network-based identification of reliable bio-markers for cancers. Journal of Theoretical Biology, 2015, 383, 20-27.	0.8	11
26	Dispersion of the intrinsic neuronal periods affects the relationship of the entrainment range to the coupling strength in the suprachiasmatic nucleus. Physical Review E, 2017, 96, 052207.	0.8	11
27	Unbiased detrended fluctuation analysis: Long-range correlations in very short time series. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 179-189.	1.2	11
28	State network approach to characteristics of financial crises. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 1120-1128.	1.2	11
29	Visibility graph analysis of Bitcoin price series. Physica A: Statistical Mechanics and Its Applications, 2020, 538, 122952.	1.2	11
30	VISIBILITY GRAPHS FOR TIME SERIES CONTAINING DIFFERENT COMPONENTS. Fluctuation and Noise Letters, 2011, 10, 371-379.	1.0	10
31	Double transition of information spreading in a two-layered network. Chaos, 2018, 28, 083117.	1.0	10
32	An Improved Archaeology Algorithm Based on Integrated Multi-Source Biological Information for Yeast Protein Interaction Network. IEEE Access, 2017, 5, 15893-15900.	2.6	8
33	Scaling invariance embedded in very short time series: A factorial moment based diffusion entropy approach. Chinese Journal of Physics, 2017, 55, 2325-2335.	2.0	8
34	Pattern interdependent network of cross-correlation in multivariate time series. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126781.	0.9	8
35	Evolution of scaling behaviors embedded in sentence series from A Story of the Stone. PLoS ONE, 2017, 12, e0171776.	1.1	8
36	A Patient Suffering From Neurodegenerative Disease May Have a Strengthened Fractal Gait Rhythm. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1765-1772.	2.7	7

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37	Predicting search time when hunting for multiple moving targets: A recursive harmonic law. Chaos, 2018, 28, 083109.	1.0	7
38	Dependence of the entrainment on the ratio of amplitudes between two subgroups in the suprachiasmatic nucleus. Physical Review E, 2018, 97, 062215.	0.8	7
39	Network Structure of the Master Clock Is Important for Its Primary Function. Frontiers in Physiology, 2021, 12, 678391.	1.3	7
40	Discrete scale-invariance in cross-correlations between time series. Physica A: Statistical Mechanics and Its Applications, 2015, 421, 161-170.	1.2	6
41	The asymmetry of the entrainment range induced by the difference in intrinsic frequencies between two subgroups within the suprachiasmatic nucleus. Chaos, 2017, 27, 063115.	1.0	6
42	Heterogeneity in relaxation rate improves the synchronization of oscillatory neurons in a model of the SCN. Chaos, 2019, 29, 013103.	1.0	6
43	Matching Intensity for Image Visibility Graphs: A New Method to Extract Image Features. IEEE Access, 2021, 9, 12611-12621.	2.6	6
44	Motif structure for the four subgroups within the suprachiasmatic nuclei affects its entrainment ability. Physical Review E, 2022, 105, 014314.	0.8	6
45	A diffusion perspective on temporal networks: A case study on a supermarket. Physica A: Statistical Mechanics and Its Applications, 2016, 441, 62-68.	1.2	5
46	Sampling frequency dependent visibility graphlet approach to time series. Chaos, 2019, 29, 023109.	1.0	5
47	Epidemic dynamics on higher-dimensional small world networks. Applied Mathematics and Computation, 2022, 421, 126911.	1.4	5
48	In search of coding and non-coding regions of DNA sequences based on balanced estimation of diffusion entropy. Journal of Biological Physics, 2016, 42, 99-106.	0.7	4
49	EVOLUTION OF SCALING BEHAVIORS IN CURRENCY EXCHANGE RATE SERIES. Fractals, 2019, 27, 1950005.	1.8	4
50	Localization of information on communication networks of an open-source online community. International Journal of Modern Physics C, 2017, 28, 1750091.	0.8	3
51	Strengthen the circadian rhythms by the mathematical model of the SCN. European Physical Journal: Special Topics, 2022, 231, 827-832.	1.2	3
52	Splitting between two subgroups of the SCN neurons with instantaneous feedback. Nonlinear Dynamics, 2019, 97, 1245-1251.	2.7	2
53	Noise induces oscillation in the two weakly coupled subgroups of the suprachiasmatic nucleus. Nonlinear Dynamics, 2020, 102, 2759-2766.	2.7	2
54	Lowest-degree preference random walks on complex networks. Physica A: Statistical Mechanics and Its Applications, 2021, 577, 126075.	1.2	2

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55	Multi-scale transition matrix approach to time series. Physica A: Statistical Mechanics and Its Applications, 2021, 578, 126116.	1.2	2
56	Network-based landscape of research strengths of universities in Mainland China. Physica A: Statistical Mechanics and Its Applications, 2017, 478, 49-62.	1.2	1
57	Community detection based on preferred mode in bipartite networks. Modern Physics Letters B, 2018, 32, 1850330.	1.0	1
58	One-Step Memory Random Walk on Complex Networks: An Efficient Local Navigation Strategy. Fluctuation and Noise Letters, 2021, 20, 2150040.	1.0	1
59	Visibility-graphlet approach to the output series of a Hodgkinâ€“Huxley neuron. Chaos, 2021, 31, 043102.	1.0	1
60	Energy Spectral Behaviors of Communication Networks of Open-Source Communities. PLoS ONE, 2015, 10, e0128251.	1.1	1
61	Irregular spots on body surfaces of vertebrates induced by supercritical pitchfork bifurcations. Chaos, 2022, 32, 013129.	1.0	1
62	Limit Cycles and Invariant Curves in a Class of Switching Systems with Degree Four. Journal of Function Spaces, 2018, 2018, 1-9.	0.4	0
63	Size of a steady disturbance source affects the frequency of a target wave. AIP Advances, 2019, 9, 085034.	0.6	0
64	Information on evolutionary age in redundancy of complex network. Modern Physics Letters B, 2019, 33, 1950331.	1.0	0
65	Comparison of gene regulatory networks to identify pathogenic genes for lymphoma. Journal of Bioinformatics and Computational Biology, 2020, 18, 2050029.	0.3	0
66	Response of gene regulatory networks after infection of H3N2 virus. Journal of Bioinformatics and Computational Biology, 2021, 19, 2150017.	0.3	0