Yi Cao

List of Publications by Year
in descending order

40 papers	812 citations	687220 13 h-index	526166 27 g-index
41 all docs	41 docs citations	41 times ranked	668 citing authors

#	Article	IF	Citations
1	A robust image encryption algorithm based on Chua's circuit and compressive sensing. Signal Processing, 2019, 161, 227-247.	2.1	108
2	EEG-Based Emotion Classification Using Spiking Neural Networks. IEEE Access, 2020, 8, 46007-46016.	2.6	90
3	A parallel image encryption algorithm based on the piecewise linear chaotic map and hyper-chaotic map. Nonlinear Dynamics, 2018, 93, 1165-1181.	2.7	89
4	Adaptive Hidden Markov Model With Anomaly States for Price Manipulation Detection. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 318-330.	7.2	66
5	An efficient and self-adapting colour-image encryption algorithm based on chaos and interactions among multiple layers. Multimedia Tools and Applications, 2018, 77, 26191-26217.	2.6	62
6	Echo state network optimization using binary grey wolf algorithm. Neurocomputing, 2020, 385, 310-318.	3.5	44
7	A paired neural network model for tourist arrival forecasting. Expert Systems With Applications, 2018, 114, 588-614.	4.4	34
8	A multi-scale image watermarking based on integer wavelet transform and singular value decomposition. Expert Systems With Applications, 2021, 168, 114272.	4.4	33
9	A Neural network enhanced hidden Markov model for tourism demand forecasting. Applied Soft Computing Journal, 2020, 94, 106465.	4.1	24
10	Detecting Wash Trade in Financial Market Using Digraphs and Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2351-2363.	7.2	23
11	Quantitative analysis of breast cancer diagnosis using a probabilistic modelling approach. Computers in Biology and Medicine, 2018, 92, 168-175.	3.9	21
12	An echo state network architecture based on quantum logic gate and its optimization. Neurocomputing, 2020, 371, 100-107.	3.5	20
13	Detecting price manipulation in the financial market. , 2014, , .		18
14	A twoâ€stage Bayesian network model for corporate bankruptcy prediction. International Journal of Finance and Economics, 2022, 27, 455-472.	1.9	17
15	Wavelet-based option pricing: An empirical study. European Journal of Operational Research, 2019, 272, 1132-1142.	3.5	15
16	An Efficient, Low-Cost Routing Architecture for Spiking Neural Network Hardware Implementations. Neural Processing Letters, 2018, 48, 1777-1788.	2.0	14
17	Data analytic approach for manipulation detection in stock market. Review of Quantitative Finance and Accounting, 2018, 50, 897-932.	0.8	13
18	Data analytics enhanced component volatility model. Expert Systems With Applications, 2017, 84, 232-241.	4.4	12

#	Article	IF	Citations
19	Computational intelligent hybrid model for detecting disruptive trading activity. Decision Support Systems, 2017, 93, 26-41.	3.5	11
20	Low Cost Interconnected Architecture for the Hardware Spiking Neural Networks. Frontiers in Neuroscience, 2018, 12, 857.	1.4	11
21	Coarse and fine identification of collusive clique in financial market. Expert Systems With Applications, 2017, 69, 225-238.	4.4	10
22	Improving learning algorithm performance for spiking neural networks. , 2017, , .		9
23	A Hidden Markov Model with Abnormal States for Detecting Stock Price Manipulation. , 2013, , .		8
24	Detecting wash trade in the financial market. , 2014, , .		8
25	A survey of AI in finance. Journal of Chinese Economic and Business Studies, 2022, 20, 125-137.	1.6	8
26	Volatility modeling and prediction: the role of price impact. Quantitative Finance, 2019, 19, 2015-2031.	0.9	7
27	ECM-IBS: A Chebyshev Map-Based Broadcast Authentication for Wireless Sensor Networks. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950118.	0.7	7
28	Option valuation under no-arbitrage constraints with neural networks. European Journal of Operational Research, 2021, 293, 361-374.	3.5	6
29	A neural network enhanced volatility component model. Quantitative Finance, 2020, 20, 783-797.	0.9	5
30	Chemical substance classification using long short-term memory recurrent neural network. , 2017, , .		4
31	Latent state recognition by an enhanced hidden Markov model. Expert Systems With Applications, 2020, 161, 113722.	4.4	4
32	An Energy-Aware Hybrid Particle Swarm Optimization Algorithm for Spiking Neural Network Mapping. Lecture Notes in Computer Science, 2017, , 805-815.	1.0	3
33	An Extended Algorithm Using Adaptation of Momentum and Learning Rate for Spiking Neurons Emitting Multiple Spikes. Lecture Notes in Computer Science, 2017, , 569-579.	1.0	3
34	An Option Pricing Model Calibration Using Algorithmic Differentiation. , 2011, , 577-581.		2
35	On the calibration of stochastic volatility models: A comparison study. , 2014, , .		1
36	A chaos-based self-adapting RGB image permutation scheme. , 2017, , .		1

#	Article	IF	Citations
37	An Efficient Hardware Architecture for Multilayer Spiking Neural Networks. Lecture Notes in Computer Science, 2017, , 786-795.	1.0	1
38	Improving the Stability for Spiking Neural Networks Using Anti-noise Learning Rule. Lecture Notes in Computer Science, 2018, , 29-37.	1.0	0
39	Estimating price impact via deep reinforcement learning. International Journal of Finance and Economics, 2020, , .	1.9	0
40	Predicting Financial Volatility from Personal Transactional Data. , 2022, , .		0