

Min Han

List of Publications by Year in descending order

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126
papers

3,267
citations

185998

28
h-index

155451

55
g-index

129
all docs

129
docs citations

129
times ranked

2972
citing authors

#	ARTICLE	IF	CITATIONS
1	Chaotic Time Series Prediction Based on a Novel Robust Echo State Network. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 787-799.	7.2	280
2	Support Vector Echo-State Machine for Chaotic Time-Series Prediction. IEEE Transactions on Neural Networks, 2007, 18, 359-372.	4.8	216
3	Output-Feedback Cooperative Formation Maneuvering of Autonomous Surface Vehicles With Connectivity Preservation and Collision Avoidance. IEEE Transactions on Cybernetics, 2020, 50, 2527-2535.	6.2	215
4	Prediction of Chaotic Time Series Based on the Recurrent Predictor Neural Network. IEEE Transactions on Signal Processing, 2004, 52, 3409-3416.	3.2	205
5	Online sequential extreme learning machine with kernels for nonstationary time series prediction. Neurocomputing, 2014, 145, 90-97.	3.5	175
6	Recurrent Broad Learning Systems for Time Series Prediction. IEEE Transactions on Cybernetics, 2020, 50, 1405-1417.	6.2	161
7	A Dynamic Feedforward Neural Network Based on Gaussian Particle Swarm Optimization and its Application for Predictive Control. IEEE Transactions on Neural Networks, 2011, 22, 1457-1468.	4.8	139
8	Noise Smoothing for Nonlinear Time Series Using Wavelet Soft Threshold. IEEE Signal Processing Letters, 2007, 14, 62-65.	2.1	115
9	A Review on Intelligence Dehazing and Color Restoration for Underwater Images. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1820-1832.	5.9	115
10	Adaptive Elastic Echo State Network for Multivariate Time Series Prediction. IEEE Transactions on Cybernetics, 2016, 46, 2173-2183.	6.2	91
11	Laplacian Echo State Network for Multivariate Time Series Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 238-244.	7.2	90
12	Backpropagating Constraints-Based Trajectory Tracking Control of a Quadrotor With Constrained Actuator Dynamics and Complex Unknowns. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1322-1337.	5.9	84
13	Structured Manifold Broad Learning System: A Manifold Perspective for Large-Scale Chaotic Time Series Analysis and Prediction. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1809-1821.	4.0	84
14	Interval Type-2 Fuzzy Neural Networks for Chaotic Time Series Prediction: A Concise Overview. IEEE Transactions on Cybernetics, 2019, 49, 2720-2731.	6.2	70
15	A Data-Emergency-Aware Scheduling Scheme for Internet of Things in Smart Cities. IEEE Transactions on Industrial Informatics, 2018, 14, 2042-2051.	7.2	68
16	Multivariate Chaotic Time Series Online Prediction Based on Improved Kernel Recursive Least Squares Algorithm. IEEE Transactions on Cybernetics, 2019, 49, 1160-1172.	6.2	67
17	Global mutual information-based feature selection approach using single-objective and multi-objective optimization. Neurocomputing, 2015, 168, 47-54.	3.5	59
18	Fault Diagnosis of Complex Processes Using Sparse Kernel Local Fisher Discriminant Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1581-1591.	7.2	59

#	ARTICLE	IF	CITATIONS
19	Hybrid Regularized Echo State Network for Multivariate Chaotic Time Series Prediction. IEEE Transactions on Cybernetics, 2019, 49, 2305-2315.	6.2	52
20	Adaptive Approximation-Based Regulation Control for a Class of Uncertain Nonlinear Systems Without Feedback Linearizability. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3747-3760.	7.2	49
21	Cooperative Coevolution for Large-Scale Optimization Based on Kernel Fuzzy Clustering and Variable Trust Region Methods. IEEE Transactions on Fuzzy Systems, 2014, 22, 829-839.	6.5	46
22	A hybrid prognostic strategy with unscented particle filter and optimized multiple kernel relevance vector machine for lithium-ion battery. Measurement: Journal of the International Measurement Confederation, 2021, 170, 108679.	2.5	43
23	Nonuniform State Space Reconstruction for Multivariate Chaotic Time Series. IEEE Transactions on Cybernetics, 2019, 49, 1885-1895.	6.2	40
24	Feature selection techniques with class separability for multivariate time series. Neurocomputing, 2013, 110, 29-34.	3.5	39
25	Wavelet-denoising multiple echo state networks for multivariate time series prediction. Information Sciences, 2018, 465, 439-458.	4.0	36
26	Multivariate Chaotic Time Series Prediction Based on Improved Grey Relational Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2144-2154.	5.9	36
27	Robust manifold broad learning system for large-scale noisy chaotic time series prediction: A perturbation perspective. Neural Networks, 2019, 117, 179-190.	3.3	31
28	Characteristics and driving factors of marsh changes in Zhalong wetland of China. Environmental Monitoring and Assessment, 2007, 127, 363-381.	1.3	30
29	Spatio-Temporal Interpolated Echo State Network for Meteorological Series Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1621-1634.	7.2	29
30	Distributed Dynamic Process Monitoring Based on Minimal Redundancy Maximal Relevance Variable Selection and Bayesian Inference. IEEE Transactions on Control Systems Technology, 2020, 28, 2037-2044.	3.2	28
31	The hidden neurons selection of the wavelet networks using support vector machines and ridge regression. Neurocomputing, 2008, 72, 471-479.	3.5	25
32	Noise reduction method for chaotic signals based on dual-wavelet and spatial correlation. Expert Systems With Applications, 2009, 36, 10060-10067.	4.4	23
33	Maximum Information Exploitation Using Broad Learning System for Large-Scale Chaotic Time-Series Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2320-2329.	7.2	23
34	Application of four-layer neural network on information extraction. Neural Networks, 2003, 16, 547-553.	3.3	21
35	Projective synchronization between two delayed networks of different sizes with nonidentical nodes and unknown parameters. Neurocomputing, 2016, 171, 605-614.	3.5	21
36	Classification of EEG Signals Using Hybrid Feature Extraction and Ensemble Extreme Learning Machine. Neural Processing Letters, 2019, 50, 1281-1301.	2.0	21

#	ARTICLE	IF	CITATIONS
37	A novel Granger causality method based on HSIC-Lasso for revealing nonlinear relationship between multivariate time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 541, 123245.	1.2	17
38	A nonsubsampling contourlet transform based CNN for real image denoising. <i>Signal Processing: Image Communication</i> , 2020, 82, 115727.	1.8	16
39	Online multivariate time series prediction using SCKF- $\hat{\beta}$ ESN model. <i>Neurocomputing</i> , 2015, 147, 315-323.	3.5	15
40	Computer Modeling of the Eddy Current Losses of Metal Fasteners in Rotor Slots of a Large Nuclear Steam Turbine Generator Based on Finite-Element Method and Deep Gaussian Process Regression. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 5349-5359.	5.2	15
41	Distributed dynamic process monitoring based on dynamic slow feature analysis with minimal redundancy maximal relevance. <i>Control Engineering Practice</i> , 2020, 104, 104627.	3.2	15
42	UCFTS: A Unilateral Coupling Finite-Time Synchronization Scheme for Complex Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 255-268.	7.2	14
43	Deep Actor-Critic Learning-Based Robustness Enhancement of Internet of Things. <i>IEEE Internet of Things Journal</i> , 2020, 7, 6191-6200.	5.5	14
44	A Novel Joint Change Detection Approach Based on Weight-Clustering Sparse Autoencoders. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 685-699.	2.3	13
45	Modified BBO-Based Multivariate Time-Series Prediction System With Feature Subset Selection and Model Parameter Optimization. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 2163-2173.	6.2	12
46	Semi-supervised Bayesian ARTMAP. <i>Applied Intelligence</i> , 2010, 33, 302-317.	3.3	11
47	Nonlinear model predictive control of ball-plate system based on gaussian particle swarm optimization. , 2012, , .		10
48	LWCDNet: A Lightweight Fully Convolution Network for Change Detection in Optical Remote Sensing Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	1.4	10
49	A Wetland Protection Domain Ontology Construction for Knowledge Management and Information Sharing. <i>Human and Ecological Risk Assessment (HERA)</i> , 2009, 15, 298-315.	1.7	9
50	Ternary reversible extreme learning machines: the incremental tri-training method for semi-supervised classification. <i>Knowledge and Information Systems</i> , 2010, 23, 345-372.	2.1	9
51	Quantized generalized maximum correntropy criterion based kernel recursive least squares for online time series prediction. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 95, 103797.	4.3	9
52	Exponential Stability of Discrete-Time Neural Networks With Large Delay. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 2824-2834.	6.2	9
53	Bayesian inference based reorganized multiple characteristics subspaces fusion strategy for dynamic process monitoring. <i>Control Engineering Practice</i> , 2021, 112, 104816.	3.2	8
54	Improved GIHSA for image fusion based on parameter optimization. <i>International Journal of Remote Sensing</i> , 2010, 31, 2717-2728.	1.3	7

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55	DSTnet: a new discrete shearlet transform-based CNN model for image denoising. <i>Multimedia Systems</i> , 2021, 27, 1165-1177.	3.0	7
56	Endpoint prediction model of basic oxygen furnace steelmaking based on PSO-ICA and RBF neural network. , 2010, , .		6
57	Hyperspectral Image Classification Based on Improved Rotation Forest Algorithm. <i>Sensors</i> , 2018, 18, 3601.	2.1	6
58	Estimation of high-resolution PM2.5 concentrations based on gap-filling aerosol optical depth using gradient boosting model. <i>Air Quality, Atmosphere and Health</i> , 2022, 15, 619-631.	1.5	6
59	Multi-feature Classification of Hyperspectral Image via Probabilistic SVM and Guided Filter. , 2018, , .		5
60	Fault subspace decomposition and reconstruction theory based online fault prognosis. <i>Control Engineering Practice</i> , 2019, 85, 121-131.	3.2	5
61	Learning Both Dynamic-Shared and Dynamic-Specific Patterns for Chaotic Time-Series Prediction. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 4115-4125.	6.2	5
62	Multi-feature hyperspectral image classification with L2,1 norm constrained joint sparse representation. <i>International Journal of Remote Sensing</i> , 2021, 42, 4785-4804.	1.3	5
63	Time series prediction based on echo state network tuned by divided adaptive multi-objective differential evolution algorithm. <i>Soft Computing</i> , 2021, 25, 4489-4502.	2.1	5
64	Gradient eigendecomposition invariance biogeography-based optimization for mobile robot path planning. <i>Soft Computing</i> , 2022, 26, 6131-6144.	2.1	5
65	Chaotic system identification based on Kalman filter. , 0, , .		4
66	Research on data collection and database update of GIS based on GPS technology. , 0, , .		4
67	Multivariate Time Series Prediction by Neural Network Combining SVD. , 2006, , .		4
68	Particle swarm optimization using dynamic neighborhood topology for large scale optimization. , 2010, , .		4
69	Spectral-spatial classification of hyperspectral image based on discriminant sparsity preserving embedding. <i>Neurocomputing</i> , 2017, 243, 133-141.	3.5	4
70	A Novel Time Series Prediction Model Based on Deep Sparse Autoencoder. , 2018, , .		4
71	Online Rule-Based Classifier Learning on Dynamic Unlabeled Multivariate Time Series Data. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 1121-1134.	5.9	4
72	Multi-Background Island Bird Detection Based on Faster R-CNN. <i>Cybernetics and Systems</i> , 2021, 52, 26-35.	1.6	4

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73	Multivariate Chaotic Time Series Prediction: Broad Learning System Based on Sparse PCA. Lecture Notes in Computer Science, 2018, , 56-66.	1.0	4
74	Hierarchical Echo State Network With Sparse Learning: A Method for Multidimensional Chaotic Time Series Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2022, PP, 1-12.	7.2	4
75	Soft Subspace Based Ensemble Clustering for Multivariate Time Series Data. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7761-7774.	7.2	4
76	Multi-step-ahead Chaotic Time Series Prediction Based on Hierarchical Echo State Network with Augmented Random Features. IEEE Transactions on Cognitive and Developmental Systems, 2022, , 1-1.	2.6	4
77	Application of Kalman filter to chaotic prediction of sunspots. , 0, , .		3
78	Predictive control based on feedforward neural network for strong nonlinear system. , 0, , .		3
79	Analyzing the state space property of echo state networks for chaotic system prediction. , 0, , .		3
80	IFCIA: An Efficient Algorithm for Mining Intertransaction Frequent Closed Itemsets. , 2007, , .		3
81	Nonlinear time series online prediction using reservoir kalman filter. , 2009, , .		3
82	Event-triggered course-tracking control of marine surface vessels. , 2017, , .		3
83	Time Series Online Prediction Based on Adaptive Dynamic Adjustment Kernel Recursive Least Squares Algorithm. , 2018, , .		3
84	Credible Web Service Composition based on Improved Multi-objective Particle Swarm Optimization. , 2021, , .		3
85	Mutual Information Variational Autoencoders and Its Application to Feature Extraction of Multivariate Time Series. International Journal of Pattern Recognition and Artificial Intelligence, 2022, 36, .	0.7	3
86	Study of dynamic response of dams with neural network. , 0, , .		2
87	A modified neural network based on subtractive clustering for bidding system. , 0, , .		2
88	Generalized predictive controller based on RBF neural network for a class of nonlinear system. , 2006, , .		2
89	An Adaptive dynamic evolution feedforward neural network on modified particle swarm optimization. , 2009, , .		2
90	Marine Floating Raft Aquaculture Back Scattering Feature Analysis Based On ISAR Imagery. , 2018, , .		2

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91	Learning contextual dissimilarity on tensor product graph for visual re-ranking. Image and Vision Computing, 2018, 79, 1-10.	2.7	2
92	Broad Learning System-Based Learning Controller for Course Control of Marine Vessels. , 2019, , .		2
93	Recurrent Restricted Boltzmann Machine for Chaotic Time-series Prediction. , 2020, , .		2
94	Hybrid Regularization of Diffusion Process for Visual Re-Ranking. IEEE Transactions on Image Processing, 2021, 30, 3705-3719.	6.0	2
95	Adaptive Sparse Quantization Kernel Least Mean Square Algorithm for Online Prediction of Chaotic Time Series. Circuits, Systems, and Signal Processing, 2021, 40, 4346-4369.	1.2	2
96	A two-stage causality method for time series prediction based on feature selection and momentary conditional independence. Physica A: Statistical Mechanics and Its Applications, 2022, 595, 126970.	1.2	2
97	A Novel Distributed Data-Driven Strategy for Fault Detection of Multi-Source Dynamic Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4379-4383.	2.2	2
98	Application of four-layer neural network on information extraction. , 0, , .		1
99	A classification framework of neural networks fusing spectrum and texture information. , 0, , .		1
100	Exploring the neural state space learning from one-dimension chaotic time series. , 0, , .		1
101	An Adaptive Algorithm of Universal Learning Network for Time Delay System. , 0, , .		1
102	Multivariate chaotic time series analysis and prediction using improved nonlinear canonical correlation analysis. , 2008, , .		1
103	Delay nonlinear system predictive control on MPSO+DNN. , 2009, , .		1
104	Case-based reasoning system based on Bayesian rough set and hierarchical mixture of experts model. , 2011, , .		1
105	A Novel Dynamic Update Framework for Epileptic Seizure Prediction. BioMed Research International, 2014, 2014, 1-11.	0.9	1
106	Finite-time combination synchronization of uncertain complex networks by sliding mode control. , 2017, , .		1
107	Classification of Hyperspectral Remote Sensing Image Data from IoT Based on Rotation Forest and ELM with Kernel. , 2018, , .		1
108	Online Time Series Prediction Based Modified Kernel Recursive Least-Squares from Random Projection and Adaptive Update. , 2020, , .		1

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109	An improved distance regularization level set evolution method for coastline change detection. , 2020, , .		1
110	Denosing of Uncertain Type Noise Images by Spatial Feature Classification in Nonsubsampled Shearlet Transform. IEEE Access, 2020, 8, 5009-5021.	2.6	1
111	A Quantized Kernel Least-mean-square Algorithm Based on Echo State Network for Online Time-series Prediction. , 2021, , .		1
112	Classification of aerial photograph using neural network. , 0, , .		0
113	Identification of nonlinear dynamic systems with large time delays based on universal learning network. , 0, , .		0
114	Design and realization of GPS and GIS integration technology in wetland study. , 0, , .		0
115	GIS attribute data knowledge discovery system. , 0, , .		0
116	3S data feature-level fusion by neural network. , 0, , .		0
117	Universal learning network predictive control for nonlinear dynamic systems with time-delay. , 0, , .		0
118	Research on Design and Application of Domain Ontology of Wetland Protection. , 2006, , .		0
119	Tikhonov-type regularization in local model for noisy chaotic time series prediction. , 2007, , .		0
120	Applying ICA on neural network to simplify BOF endpoint predicting model. , 2008, , .		0
121	A two-step pansharpening of ETM+ TIR image based on SFIM and neural network regression. , 2009, , .		0
122	Online designed of Echo State Network based on Particle Swarm Optimization for system identification. , 2011, , .		0
123	Nonlinear Model Predictive Control for Fin Stabilizer System of Marine Vessels Based on Recurrent Neural Network. , 2019, , .		0
124	Time-series Prediction Based on VMD and Stack Recurrent Neural Network. , 2020, , .		0
125	An Aerial Image Stitching Algorithm Based on Long-distance Features. , 2021, , .		0
126	Particle Swarm optimization based Neural Network Model for Chaotic Time Series Forecasting. , 2020, , .		0