Zhenyu Lu

List of Publications by Year
in descending order

38 papers	464 citations	687363 13 h-index	752698 20 g-index
39 all docs	39 docs citations	39 times ranked	412 citing authors

#	Article	IF	Citations
1	3-D Channel and Spatial Attention Based Multiscale Spatial–Spectral Residual Network for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4311-4324.	4.9	50
2	Industrial Power Load Forecasting Method Based on Reinforcement Learning and PSO-LSSVM. IEEE Transactions on Cybernetics, 2022, 52, 1112-1124.	9.5	45
3	A Decentralized Trust Management System for Intelligent Transportation Environments. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 558-571.	8.0	39
4	Almost sure stabilization of hybrid systems by feedback control based on discrete-time observations of mode and state. Science China Information Sciences, 2018, 61, 1.	4.3	30
5	A YinYang bipolar fuzzy cognitive TOPSIS method to bipolar disorder diagnosis. Computer Methods and Programs in Biomedicine, 2018, 158, 1-10.	4.7	25
6	Stochastic Cognitive Dominance Leading Particle Swarm Optimization for Multimodal Problems. Mathematics, 2022, 10, 761.	2.2	25
7	Guaranteed Cost Finite-Time Control of Uncertain Coupled Neural Networks. IEEE Transactions on Cybernetics, 2022, 52, 481-494.	9.5	24
8	Evolving Block-Based Convolutional Neural Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-21.	6.3	23
9	Finite-Time Synchronization of Memristor-Based Recurrent Neural Networks With Inertial Items and Mixed Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2701-2711.	9.3	21
10	Predominant Cognitive Learning Particle Swarm Optimization for Global Numerical Optimization. Mathematics, 2022, 10, 1620.	2.2	19
11	Multi-object Detection Method based on YOLO and ResNet Hybrid Networks. , 2019, , .		18
12	An automatic glioma grading method based on multi-feature extraction and fusion. Technology and Health Care, 2017, 25, 377-385.	1.2	15
13	Health Management of Dry-Type Transformer Based on Broad Learning System. IEEE Transactions on Industrial Electronics, 2022, 69, 3027-3036.	7.9	14
14	Elite Directed Particle Swarm Optimization with Historical Information for High-Dimensional Problems. Mathematics, 2022, 10, 1384.	2.2	14
15	A Glioma Segmentation Method Using CoTraining and Superpixel-Based Spatial and Clinical Constraints. IEEE Access, 2018, 6, 57113-57122.	4.2	13
16	Multiscale Superpixel Kernel-Based Low-Rank Representation for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1642-1646.	3.1	12
17	Quasisynchronization of Heterogeneous Neural Networks With Time-Varying Delays via Event-Triggered Impulsive Controls. IEEE Transactions on Cybernetics, 2022, 52, 3855-3866.	9.5	11
18	Energy-Efficient Optimal Guaranteed Cost Intermittent-Switch Control of a Direct Expansion Air Conditioning System. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1852-1866.	13.1	11

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19	Study of the Method of Multi-Frequency Signal Detection Based on the Adaptive Stochastic Resonance. Abstract and Applied Analysis, 2013, 2013, 1-10.	0.7	8
20	Brain Tumor Segmentation Using Deep Belief Networks and Pathological Knowledge. CNS and Neurological Disorders - Drug Targets, 2017, 16, 129-136.	1.4	8
21	Spectralâ€"spatial hyperspectral image classification with adaptive mean filter and jump regression detection. Electronics Letters, 2015, 51, 1658-1660.	1.0	6
22	Hyperspectral classification using an adaptive spectral-spatial kernel-based low-rank approximation. Remote Sensing Letters, 2019, 10, 766-775.	1.4	6
23	A Correction Method of Environmental Meteorological Model Based on Longâ€Shortâ€Term Memory Neural Network. Earth and Space Science, 2019, 6, 2214-2226.	2.6	5
24	Robust Regression-Based Markov Random Field for Hyperspectral Image Classification. IEEE Access, 2019, 7, 11868-11881.	4.2	5
25	An improved wavelet transform and multi-block forecast engine based on a novel training mechanism. ISA Transactions, 2019, 84, 142-153.	5.7	3
26	Application of Offshore Visibility Forecast Based on Temporal Convolutional Network and Transfer Learning. Computational Intelligence and Neuroscience, 2020, 2020, 1-12.	1.7	3
27	A Short-Term Precipitation Prediction Model Based on Spatiotemporal Convolution Network and Ensemble Empirical Mode Decomposition. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 738-740.	13.1	3
28	A memristive RBF neural network and its application in unsupervised medical image segmentation. European Physical Journal: Special Topics, 2022, 231, 1005-1014.	2.6	2
29	Convergence Rate of Numerical Solutions for Nonlinear Stochastic Pantograph Equations with Markovian Switching and Jumps. Abstract and Applied Analysis, 2013, 2013, 1-10.	0.7	1
30	An improved FCM method for image segmentation based on wavelet transform and particle swarm. , 2018, , .		1
31	A new algorithm of improved two-dimensional principal component analysis face recognition. , 2018, , .		1
32	A novel neural-network gradient optimization algorithm based on reinforcement learning. , 2019, , .		1
33	An Efficient Formal Modeling Framework for Hybrid Cloud-Fog Systems. IEEE Transactions on Network Science and Engineering, 2021, 8, 447-462.	6.4	1
34	Two Recurrent Neural Networks With Reduced Model Complexity for Constrained lâ•Norm Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6173-6185.	11.3	1
35	Application of the WK hybrid filter algorithm in the processing of radar information. , 2011, , .		0
36	Realization of robust μ control for the optical ultra-precision vibration isolation platform. , 2011, , .		0

#	Article	IF	Citations
37	Global Asymptotic Stability of Switched Neural Networks with Delays. Mathematical Problems in Engineering, 2015, 2015, 1-11.	1.1	0
38	Dog Face Recognition Algorithm Based on DC-Attention-SSD Neural Network. , 2019, , .		0