

Guisong Liu

List of Publications by Year in descending order

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61
papers

851
citations

567144

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27
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69
all docs

69
docs citations

69
times ranked

801
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective Transfer Learning Algorithm in Spiking Neural Networks. IEEE Transactions on Cybernetics, 2022, 52, 13323-13335.	6.2	12
2	Intelligent Cruise Guidance and Vehicle Resource Management With Deep Reinforcement Learning. IEEE Internet of Things Journal, 2022, 9, 3574-3585.	5.5	5
3	Transfer Learning for Autonomous Cell Activation Based on Relational Reinforcement Learning With Adaptive Reward. IEEE Systems Journal, 2022, 16, 1044-1055.	2.9	7
4	Blockchain-Enabled Resource Trading and Deep Reinforcement Learning-Based Autonomous RAN Slicing in 5G. IEEE Transactions on Network and Service Management, 2022, 19, 216-227.	3.2	24
5	Consensus Mechanism for Blockchain-Enabled Vehicle-to-Vehicle Energy Trading in the Internet of Electric Vehicles. IEEE Transactions on Vehicular Technology, 2022, 71, 946-960.	3.9	56
6	DeepSecure: Detection of Distributed Denial of Service Attacks on 5G Network SlicingâDeep Learning Approach. IEEE Wireless Communications Letters, 2022, 11, 488-492.	3.2	22
7	A deep learning approach for insulator instance segmentation and defect detection. Neural Computing and Applications, 2022, 34, 7253-7269.	3.2	14
8	Defect detection of photovoltaic glass based on level set map. Neural Computing and Applications, 2022, 34, 10691-10705.	3.2	3
9	Glass Defect Detection via Multi-Scale Feature Fusion. Journal of Physics: Conference Series, 2022, 2216, 012099.	0.3	1
10	Federal SNN Distillation: A Low-Communication-Cost Federated Learning Framework for Spiking Neural Networks. Journal of Physics: Conference Series, 2022, 2216, 012078.	0.3	1
11	MANTA: Multi-Lane Capsule Network Assisted Traffic Classification for 5G Network Slicing. IEEE Wireless Communications Letters, 2022, 11, 1905-1909.	3.2	3
12	Cable Connection Optimization for Heterogeneous Offshore Wind Farms via a Voronoi Diagram Based Adaptive Particle Swarm Optimization with Local Search. Energies, 2021, 14, 644.	1.6	3
13	Collaborative Computation Offloading and Resource Allocation in Multi-UAV-Assisted IoT Networks: A Deep Reinforcement Learning Approach. IEEE Internet of Things Journal, 2021, 8, 12203-12218.	5.5	95
14	Revised reinforcement learning based on anchor graph hashing for autonomous cell activation in cloud-RANs. Future Generation Computer Systems, 2020, 104, 60-73.	4.9	5
15	Autonomous cell activation for energy saving in cloud-RANs based on dueling deep Q-network. Knowledge-Based Systems, 2020, 192, 105347.	4.0	5
16	A neural-network-based framework for cigarette laser code identification. Neural Computing and Applications, 2020, 32, 11597-11606.	3.2	3
17	Autonomous Resource Slicing for Virtualized Vehicular Networks With D2D Communications Based on Deep Reinforcement Learning. IEEE Systems Journal, 2020, 14, 4694-4705.	2.9	38
18	End-to-end CNN-based dueling deep Q-Network for autonomous cell activation in Cloud-RANs. Journal of Network and Computer Applications, 2020, 169, 102757.	5.8	11

#	ARTICLE	IF	CITATIONS
19	Insulator Recognition and Fault Detection Using Deep Learning Approach. Journal of Physics: Conference Series, 2020, 1454, 012011.	0.3	4
20	Direction-sensitive relation extraction using Bi-SDP attention model. Knowledge-Based Systems, 2020, 198, 105928.	4.0	22
21	Resource slicing and customization in RAN with dueling deep Q-Network. Journal of Network and Computer Applications, 2020, 157, 102573.	5.8	31
22	An end-to-end functional spiking model for sequential feature learning. Knowledge-Based Systems, 2020, 195, 105643.	4.0	3
23	Efficient dynamic domain adaptation on deep CNN. Multimedia Tools and Applications, 2020, 79, 33853-33873.	2.6	3
24	Enforcing Affinity Feature Learning through Self-attention for Person Re-identification. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-22.	3.0	8
25	Attention-Based Interaction Trajectory Prediction. Lecture Notes in Computer Science, 2020, , 168-175.	1.0	0
26	Detection of Microaneurysms in Fundus Images Based on an Attention Mechanism. Genes, 2019, 10, 817.	1.0	23
27	Autonomous Cache Resource Slicing and Content Placement at Virtualized Mobile Edge Network. IEEE Access, 2019, 7, 84727-84743.	2.6	10
28	Dynamic Resource Provisioning and Resource Customization for Mixed Traffics in Virtualized Radio Access Network. IEEE Access, 2019, 7, 115440-115453.	2.6	11
29	Deep Residual Network with Self Attention Improves Person Re-Identification Accuracy. , 2019, , .		2
30	Multi-source sequential knowledge regression by using transfer RNN units. Neural Networks, 2019, 119, 151-161.	3.3	14
31	Autonomous Resource Provisioning and Resource Customization for Mixed Traffics in Virtualized Radio Access Network. IEEE Systems Journal, 2019, 13, 2454-2465.	2.9	57
32	Relational Reinforcement Learning Based Autonomous Cell Activation in Cloud-RANs. IEEE Access, 2019, 7, 63588-63604.	2.6	8
33	Sparse Label Smoothing Regularization for Person Re-Identification. IEEE Access, 2019, 7, 27899-27910.	2.6	13
34	Delay-aware content distribution via cell clustering and content placement for multiple tenants. Journal of Network and Computer Applications, 2019, 137, 112-126.	5.8	7
35	View-Invariant and Similarity Learning for Robust Person Re-Identification. IEEE Access, 2019, 7, 185486-185495.	2.6	1
36	The maximum points-based supervised learning rule for spiking neural networks. Soft Computing, 2019, 23, 10187-10198.	2.1	5

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37	Median local ternary patterns optimized with rotation-invariant uniform-three mapping for noisy texture classification. Pattern Recognition, 2018, 79, 387-401.	5.1	24
38	Training-Based Gradient LBP Feature Models for Multiresolution Texture Classification. IEEE Transactions on Cybernetics, 2018, 48, 2683-2696.	6.2	36
39	Efficient training of supervised spiking neural networks via the normalized perceptron based learning rule. Neurocomputing, 2017, 241, 152-163.	3.5	17
40	Air-Interface Slice Based Dynamic Resource Reservation for Ultra-Low-Latency IoT Transmissions. , 2016, , .		2
41	Joint Resource Reservation and Flow Scheduling for Ultra-Low-Latency Transmission. , 2016, , .		0
42	User Demand Aware Soft-Association Control in Ultra-Dense Small Cell Networks. , 2016, , .		1
43	An Efficient Supervised Training Algorithm for Multilayer Spiking Neural Networks. PLoS ONE, 2016, 11, e0150329.	1.1	16
44	Computing k shortest paths from a source node to each other node. Soft Computing, 2015, 19, 2391-2402.	2.1	5
45	Computing k shortest paths using modified pulse-coupled neural network. Neurocomputing, 2015, 149, 1162-1176.	3.5	19
46	One-dimensional pairwise CNN for the global alignment of two DNA sequences. Neurocomputing, 2015, 149, 505-514.	3.5	8
47	Extended monitoring with group localization in software defined hybrid Wi-Fi/zigbee networks: An initial prototype. , 2014, , .		0
48	SDN architecture for cognitive radio networks. , 2014, , .		13
49	Recognizing Human Actions by Using the Evolving Remote Supervised Method of Spiking Neural Networks. Lecture Notes in Computer Science, 2014, , 366-373.	1.0	1
50	Software Defined Wireless Network Architecture for the Next Generation Mobile Communication: Proposal and Initial Prototype. Journal of Communications, 2014, , .	1.3	11
51	Context-Aware Optimization on Medium Access Delay for High-Density 802.11n Wi-Fi Network. , 2013, , .		0
52	Architecture on mobility management in OpenFlow-based radio access networks. , 2013, , .		5
53	Modified PCNN Filtering for Fingerprint Enhancement. , 2009, , .		1
54	Medial Axis Extraction Using Growing Neural Gas. , 2009, , .		1

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55	Study to Speech Emotion Recognition Based on TWINSVM. , 2009, , .		9
56	An integrated intrusion detection system by using multiple neural networks. , 2008, , .		4
57	An immune algorithm based on danger model. , 2008, , .		0
58	Boosting the Hierarchical Hyperellipsoidal Neural Gas Networks. , 2008, , .		0
59	A chaotic encryption system using PCA neural networks. , 2008, , .		1
60	Regression ICA Algorithm for Image Denoising. , 2008, , 993-997.		1
61	A hierarchical intrusion detection model based on the PCA neural networks. Neurocomputing, 2007, 70, 1561-1568.	3.5	130