

# Guisong Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

851  
citations

567144

15  
h-index

526166

27  
g-index

69  
all docs

69  
docs citations

69  
times ranked

801  
citing authors

#	ARTICLE	IF	CITATIONS
1	A hierarchical intrusion detection model based on the PCA neural networks. <i>Neurocomputing</i> , 2007, 70, 1561-1568.	3.5	130
2	Collaborative Computation Offloading and Resource Allocation in Multi-UAV-Assisted IoT Networks: A Deep Reinforcement Learning Approach. <i>IEEE Internet of Things Journal</i> , 2021, 8, 12203-12218.	5.5	95
3	Autonomous Resource Provisioning and Resource Customization for Mixed Traffics in Virtualized Radio Access Network. <i>IEEE Systems Journal</i> , 2019, 13, 2454-2465.	2.9	57
4	Consensus Mechanism for Blockchain-Enabled Vehicle-to-Vehicle Energy Trading in the Internet of Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 946-960.	3.9	56
5	Autonomous Resource Slicing for Virtualized Vehicular Networks With D2D Communications Based on Deep Reinforcement Learning. <i>IEEE Systems Journal</i> , 2020, 14, 4694-4705.	2.9	38
6	Training-Based Gradient LBP Feature Models for Multiresolution Texture Classification. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 2683-2696.	6.2	36
7	Resource slicing and customization in RAN with dueling deep Q-Network. <i>Journal of Network and Computer Applications</i> , 2020, 157, 102573.	5.8	31
8	Median local ternary patterns optimized with rotation-invariant uniform-three mapping for noisy texture classification. <i>Pattern Recognition</i> , 2018, 79, 387-401.	5.1	24
9	Blockchain-Enabled Resource Trading and Deep Reinforcement Learning-Based Autonomous RAN Slicing in 5G. <i>IEEE Transactions on Network and Service Management</i> , 2022, 19, 216-227.	3.2	24
10	Detection of Microaneurysms in Fundus Images Based on an Attention Mechanism. <i>Genes</i> , 2019, 10, 817.	1.0	23
11	Direction-sensitive relation extraction using Bi-SDP attention model. <i>Knowledge-Based Systems</i> , 2020, 198, 105928.	4.0	22
12	DeepSecure: Detection of Distributed Denial of Service Attacks on 5G Network Slicing—Deep Learning Approach. <i>IEEE Wireless Communications Letters</i> , 2022, 11, 488-492.	3.2	22
13	Computing $k$ shortest paths using modified pulse-coupled neural network. <i>Neurocomputing</i> , 2015, 149, 1162-1176.	3.5	19
14	Efficient training of supervised spiking neural networks via the normalized perceptron based learning rule. <i>Neurocomputing</i> , 2017, 241, 152-163.	3.5	17
15	An Efficient Supervised Training Algorithm for Multilayer Spiking Neural Networks. <i>PLoS ONE</i> , 2016, 11, e0150329.	1.1	16
16	Multi-source sequential knowledge regression by using transfer RNN units. <i>Neural Networks</i> , 2019, 119, 151-161.	3.3	14
17	A deep learning approach for insulator instance segmentation and defect detection. <i>Neural Computing and Applications</i> , 2022, 34, 7253-7269.	3.2	14
18	SDN architecture for cognitive radio networks. , 2014, , .		13

#	ARTICLE	IF	CITATIONS
19	Sparse Label Smoothing Regularization for Person Re-Identification. IEEE Access, 2019, 7, 27899-27910.	2.6	13
20	Effective Transfer Learning Algorithm in Spiking Neural Networks. IEEE Transactions on Cybernetics, 2022, 52, 13323-13335.	6.2	12
21	Dynamic Resource Provisioning and Resource Customization for Mixed Traffics in Virtualized Radio Access Network. IEEE Access, 2019, 7, 115440-115453.	2.6	11
22	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
23	Software Defined Wireless Network Architecture for the Next Generation Mobile Communication: Proposal and Initial Prototype. Journal of Communications, 2014, , .	1.3	11
24	Autonomous Cache Resource Slicing and Content Placement at Virtualized Mobile Edge Network. IEEE Access, 2019, 7, 84727-84743.	2.6	10
25	Study to Speech Emotion Recognition Based on TWINsSVM. , 2009, , .		9
26	One-dimensional pairwise CNN for the global alignment of two DNA sequences. Neurocomputing, 2015, 149, 505-514.	3.5	8
27	Relational Reinforcement Learning Based Autonomous Cell Activation in Cloud-RANs. IEEE Access, 2019, 7, 63588-63604.	2.6	8
28	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
29	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
30	Transfer Learning for Autonomous Cell Activation Based on Relational Reinforcement Learning With Adaptive Reward. IEEE Systems Journal, 2022, 16, 1044-1055.	2.9	7
31	Architecture on mobility management in OpenFlow-based radio access networks. , 2013, , .		5
32	Computing \$\$\$\$ k shortest paths from a source node to each other node. Soft Computing, 2015, 19, 2391-2402.	2.1	5
33	The maximum points-based supervised learning rule for spiking neural networks. Soft Computing, 2019, 23, 10187-10198.	2.1	5
34	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
35	Autonomous cell activation for energy saving in cloud-RANs based on dueling deep Q-network. Knowledge-Based Systems, 2020, 192, 105347.	4.0	5
36	Intelligent Cruise Guidance and Vehicle Resource Management With Deep Reinforcement Learning. IEEE Internet of Things Journal, 2022, 9, 3574-3585.	5.5	5

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37	An integrated intrusion detection system by using multiple neural networks. , 2008, , .		4
38	Insulator Recognition and Fault Detection Using Deep Learning Approach. Journal of Physics: Conference Series, 2020, 1454, 012011.	0.3	4
39	A neural-network-based framework for cigarette laser code identification. Neural Computing and Applications, 2020, 32, 11597-11606.	3.2	3
40	An end-to-end functional spiking model for sequential feature learning. Knowledge-Based Systems, 2020, 195, 105643.	4.0	3
41	Efficient dynamic domain adaptation on deep CNN. Multimedia Tools and Applications, 2020, 79, 33853-33873.	2.6	3
42	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
43	Defect detection of photovoltaic glass based on level set map. Neural Computing and Applications, 2022, 34, 10691-10705.	3.2	3
44	MANTA: Multi-Lane Capsule Network Assisted Traffic Classification for 5G Network Slicing. IEEE Wireless Communications Letters, 2022, 11, 1905-1909.	3.2	3
45	Air-Interface Slice Based Dynamic Resource Reservation for Ultra-Low-Latency IoT Transmissions. , 2016, , .		2
46	Deep Residual Network with Self Attention Improves Person Re-Identification Accuracy. , 2019, , .		2
47	A chaotic encryption system using PCA neural networks. , 2008, , .		1
48	Modified PCNN Filtering for Fingerprint Enhancement. , 2009, , .		1
49	Medial Axis Extraction Using Growing Neural Gas. , 2009, , .		1
50	User Demand Aware Soft-Association Control in Ultra-Dense Small Cell Networks. , 2016, , .		1
51	View-Invariant and Similarity Learning for Robust Person Re-Identification. IEEE Access, 2019, 7, 185486-185495.	2.6	1
52	Regression ICA Algorithm for Image Denoising. , 2008, , 993-997.		1
53	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
54	Glass Defect Detection via Multi-Scale Feature Fusion. Journal of Physics: Conference Series, 2022, 2216, 012099.	0.3	1

#	ARTICLE	IF	CITATIONS
55	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
56	An immune algorithm based on danger model. , 2008, , .		0
57	Boosting the Hierarchical Hyperellipsoidal Neural Gas Networks. , 2008, , .		0
58	Context-Aware Optimization on Medium Access Delay for High-Density 802.11n Wi-Fi Network. , 2013, , .		0
59	Extended monitoring with group localization in software defined hybrid Wi-Fi/zigbee networks: An initial prototype. , 2014, , .		0
60	Joint Resource Reservation and Flow Scheduling for Ultra-Low-Latency Transmission. , 2016, , .		0
61	Attention-Based Interaction Trajectory Prediction. Lecture Notes in Computer Science, 2020, , 168-175.	1.0	0