Bowen Bao

List of Publications by Year
in descending order

32 papers	362 citations	759233 12 h-index	996975 15 g-index
32 all docs	32 docs citations	32 times ranked	134 citing authors

#	ARTICLE	IF	CITATIONS
1	SDFA: A Service-Driven Fragmentation-Aware Resource Allocation in Elastic Optical Networks. IEEE Transactions on Network and Service Management, 2022, 19, 353-365.	4.9	14
2	BrainIoT: Brain-Like Productive Services Provisioning With Federated Learning in Industrial IoT. IEEE Internet of Things Journal, 2022, 9, 2014-2024.	8.7	46
3	Blockchain-Enabled Tripartite Anonymous Identification Trusted Service Provisioning in Industrial IoT. IEEE Internet of Things Journal, 2022, 9, 2419-2431.	8.7	27
4	Resource-oriented RMCSA scheme with low crosstalk effect in multi-core fiber-based elastic optical networks. Optical Fiber Technology, 2022, 68, 102796.	2.7	7
5	Anomaly Prediction With Hybrid Supervised/Unsupervised Deep Learning for Elastic Optical Networks: A Multi-Index Correlative Approach. Journal of Lightwave Technology, 2022, 40, 4502-4513.	4.6	16
6	Multi-Associated Parameters Aggregation-Based Routing and Resources Allocation in Multi-Core Elastic Optical Networks. IEEE/ACM Transactions on Networking, 2022, 30, 2145-2157.	3.8	29
7	SNR Re-Verification-Based Routing, Band, Modulation, and Spectrum Assignment in Hybrid C-C+L Optical Networks. Journal of Lightwave Technology, 2022, 40, 3456-3469.	4.6	19
8	Online Traffic Classification Scheme Based on Bidirectional Long-short Term Memory and Attention in Edge Computing Oriented Optical Networks. , 2022, , .		0
9	Data-Driven Network Slicing From Core to RAN for 5G Broadcasting Services. IEEE Transactions on Broadcasting, 2021, 67, 23-32.	3.2	49
10	A Secure Device Access Based on Blockchain for IoT in Smart City. , 2021, , .		0
11	Core and Spectrum Allocation Based on Association Rules Mining in Spectrally and Spatially Elastic Optical Networks. IEEE Transactions on Communications, 2021, 69, 5299-5311.	7.8	32
12	Automatic guarantee scheme for intent-driven network slicing and reconfiguration. Journal of Network and Computer Applications, 2021, 190, 103163.	9.1	25
13	TDTS: Three-Dimensional Traffic Scheduling in Optical Fronthaul Networks with Conv-LSTM. Photonics, 2021, 8, 451.	2.0	2
14	Node-Oriented Traffic Prediction and Scheduling Based on Graph Convolutional Network in Metro Optical Networks. , 2021, , .		8
15	Resource Allocation Scheme Based on Complete Planning Process for Immediate and Advance Reservation in SDM-EONs. IEEE Access, 2021, 9, 153575-153585.	4.2	1
16	Link-oriented Spectrum Resource Balancing for Hybrid Edge/Cloud Elastic Datacenter Optical Networks. , 2021, , .		0
17	Capsule Networks-based Traffic Prediction for Resources Deployment in B5G Fronthaul Network. , 2020, , .		0
18	Brain-like Development Based Multi-routing Optimization for High Mobility in Optical Fronthaul. , 2020, , .		0

#	Article	IF	Citations
19	3D Fragmentation Metric and RCSA Scheme for Space Division Multiplexing Elastic Optical Networks. IEEE Access, 2020, 8, 201595-201605.	4.2	18
20	Routing and Resource Allocation Leveraging Self-organizing Feature Maps in Multi-core Optical Networks Against 5G and Beyond. , 2020, , .		3
21	Spearman Correlation Coefficient Abnormal Behavior Monitoring Technology Based on RNN in 5G Network for Smart City. , 2020, , .		2
22	Throughput-oriented Power Allocation Scheme Based on Convex Optimization for Cache-enabled FiWi Access Network in 5G IoT Scenario. , 2020, , .		2
23	Resource Regulation Strategy Based on Resource Allocation Benefitstate Transition in 5G Fronthaul. , 2020, , .		1
24	Traffic Scheduling based on Spiking Neural Network in Hybrid E/O Switching Intra-Datacenter Networks. , 2020, , .		2
25	Blockchain-based Optical Network Slice Rental Approach for IoT. , 2020, , .		9
26	Deep Reinforcement Learning-based Power and Caching Joint Optimal Allocation over Mobile Edge Computing. , 2020, , .		4
27	Method for Analyzing Service Risk of Optical Transport Network based on Index System. , 2020, , .		0
28	Traffic Optimization and Congestion Prevention Strategy Based on Hierarchical Temporal Memory of Data Center Optical Network. , 2020, , .		1
29	Joint Optimization of Modulation and Guard Band Assignment with DNN-Based Channel Estimation in RoF Broadcasting System. , 2020, , .		1
30	Representation Learning-based Slice Resource Reconfiguring Scheme in Multimedia Networks. , 2020, , .		2
31	Holding-Time- and Impairment-Aware Shared Spectrum Allocation in Mixed-Line-Rate Elastic Optical Networks. Journal of Optical Communications and Networking, 2019, 11, 322.	4.8	26
32	Dispersion Based Highest-Modulation-First Last-Fit Spectrum Allocation Scheme for Elastic Optical Networks. IEEE Access, 2018, 6, 59907-59916.	4.2	16