Peng Yu

List of Publications by Year
in descending order

94 papers	715 citations	759055 12 h-index	677027 22 g-index
95 all docs	95 docs citations	95 times ranked	684 citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent and Collaborative Orchestration of Network Slices. IEEE Transactions on Services Computing, 2023, 16, 1239-1253.	3.2	3
2	Multiagent RL Aided Task Offloading and Resource Management in Wi-Fi 6 and 5G Coexisting Industrial Wireless Environment. IEEE Transactions on Industrial Informatics, 2022, 18, 2923-2933.	7.2	10
3	BAFL: A Blockchain-Based Asynchronous Federated Learning Framework. IEEE Transactions on Computers, 2022, 71, 1092-1103.	2.4	61
4	Energy-Efficient Method Based on Dynamic Topology Switching and Reliability in SDNs. IEEE Transactions on Sustainable Computing, 2022, 7, 427-440.	2.2	0
5	Intelligent-Driven Green Resource Allocation for Industrial Internet of Things in 5G Heterogeneous Networks. IEEE Transactions on Industrial Informatics, 2022, 18, 520-530.	7.2	28
6	Space-Air-Ground Integrated Network Development and Applications in High-Speed Railways: A Survey. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10066-10085.	4.7	12
7	Enhanced 5G Mobile Broadcasting Service With Shape-Adaptive RIS. IEEE Transactions on Broadcasting, 2022, 68, 704-711.	2.5	4
8	Reliability-Oriented and Resource-Efficient Service Function Chain Construction and Backup. IEEE Transactions on Network and Service Management, 2021, 18, 240-257.	3.2	20
9	Deep learning-based BackCom multiple beamforming for 6G UAV IoT networks. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	1.5	11
10	Dynamic Resource Scheduling Of Container-based Edge IoT Agents. , 2021, , .		0
11	DDPG-Based Energy-Efficient Flow Scheduling Algorithm in Software-Defined Data Centers. Wireless Communications and Mobile Computing, 2021, 2021, 1-10.	0.8	5
12	Mining fault association rules in the perception layer of electric power sensor network based on improved Eclat. , 2021, , .		1
13	An Efficiency Evaluation Method for Cloud-Edge Collaborative Network. , 2021, , .		0
14	Slice Network Framework and Use Cases Based on FlexE Technology for Power Services. , 2021, , .		6
15	Data Transmission Evaluation and Allocation Mechanism of the Optimal Routing Path: An Asynchronous Advantage Actor-Critic (A3C) Approach. Wireless Communications and Mobile Computing, 2021, 2021, 1-21.	0.8	0
16	Energy-Efficient Offloading for Mission-Critical IoT Services Using EVT-Embedded Intelligent Learning. IEEE Transactions on Green Communications and Networking, 2021, 5, 1179-1190.	3.5	3
17	News keyword extraction algorithm based on semantic clustering and word graph model. Tsinghua Science and Technology, 2021, 26, 886-893.	4.1	29
18	Resource Allocation for Componentized Multimedia Service in Ubiquitous Computing Power Environment. , 2021, , .		1

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19	3D Deployment and User Association of CoMP-assisted Multiple Aerial Base Stations for Wireless Network Capacity Enhancement. , 2021, , .		1
20	Intelligent and Energy-efficient Distributed Resource Allocation for 5G Cloud Radio Access Networks. , 2021, , .		1
21	End-to-End Service Deployment Using Graph Matching Search for B5G/6G Networks. , 2021, , .		3
22	ShapeÂadaptive IRSÂbased SAG IoT network. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	1.5	0
23	Transmission Guarantee Method of End-to-end Service In Narrowband Dynamic Environment. , 2020, , .		1
24	Deep Reinforcement Learning Aided Cell Outage Compensation Framework in 5G Cloud Radio Access Networks. Mobile Networks and Applications, 2020, 25, 1644-1654.	2.2	8
25	When Network Operation Meets Blockchain: An Artificial-Intelligence-Driven Customization Service for Trusted Virtual Resources of IoT. IEEE Network, 2020, 34, 46-53.	4.9	16
26	Risk-Aware Service Routes Planning for System Protection Communication Networks of Software-Defined Networking in Energy Internet. IEEE Access, 2020, 8, 91005-91019.	2.6	4
27	Three-dimensional aerial base station location for sudden traffic with deep reinforcement learning in 5G mmWave networks. International Journal of Distributed Sensor Networks, 2020, 16, 155014772092637.	1.3	6
28	Dynamic Resource Allocation With RAN Slicing and Scheduling for uRLLC and eMBB Hybrid Services. IEEE Access, 2020, 8, 34538-34551.	2.6	37
29	Deep Learning-Based Resource Allocation for 5G Broadband TV Service. IEEE Transactions on Broadcasting, 2020, 66, 800-813.	2.5	48
30	Emergency Communications Based on Throughput-Aware D2D Multicasting in 5G Public Safety Networks. Sensors, 2020, 20, 1901.	2.1	9
31	Survivability-aware routing restoration mechanism for smart grid communication network in large-scale failures. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	1.5	8
32	DRL Driven Energy-efficient Resource Allocation for Multimedia Broadband Services in Mobile Edge Network. , 2020, , .		0
33	A Computation Offloading Mechanism for Multimedia Services in Green Smart Community. , 2020, , .		0
34	Optimization of Data Delivery Performance for Broadcasting System over Dynamic Networks. , 2020, , .		0
35	Interference Control Based on Stackelberg Game for D2D Underlaying 5G mmWave Small Cell Networks. , 2019, , .		9
36	A Deep Reinforcement Learning based Mechanism for Cell Outage Compensation in Massive IoT Environments. , 2019, , .		6

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37	3D Aerial Vehicle Base Station (UAV-BS) Position Planning based on Deep Q-Learning for Capacity Enhancement of Users With Different QoS Requirements. , 2019, , .		12
38	Latency-Optimal Virtual Network Functions Resource Allocation for 5G Backhaul Transport Network Slicing. Applied Sciences (Switzerland), 2019, 9, 701.	1.3	14
39	Comprehensive vulnerability assessment and optimisation method of power communication network. International Journal of Embedded Systems, 2019, 11, 315.	0.2	5
40	Hotspot Localization and Prediction for Broadband Multimedia Services in 5G Networks. , 2019, , .		0
41	A DRL-based resource allocation framework for multimedia multicast in 5G cellular networks. , 2019, , .		7
42	Energy‐efficient joint power control and resource allocation for cluster‐based NB‐IoT cellular networks. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3266.	2.6	7
43	Risk analysis and optimization for communication transmission link interruption in Smart Grid cyber-physical system. International Journal of Distributed Sensor Networks, 2018, 14, 155014771875603.	1.3	8
44	Resource Allocation for 5G D2D Multicast Content Sharing in Social-Aware Cellular Networks. IEEE Communications Magazine, 2018, 56, 112-118.	4.9	72
45	Benders Decomposition-based video bandwidth allocation in mobile media cloud network. Multimedia Tools and Applications, 2018, 77, 877-895.	2.6	7
46	Energy-Efficient Resource Allocation Based on Hypergraph 3D Matching for D2D-Assisted mMTC Networks. , 2018, , .		4
47	A fairness resource allocation algorithm for coverage and capacity optimization in wireless self-organized network. China Communications, 2018, 15, 10-24.	2.0	12
48	Joint power allocation and subcarrier assignment for device to device in 5G time division duplex networks. International Journal of Distributed Sensor Networks, 2018, 14, 155014771881109.	1.3	1
49	Capacity Enhancement for 5G Networks Using MmWave Aerial Base Stations: Self-Organizing Architecture and Approach. IEEE Wireless Communications, 2018, 25, 58-64.	6.6	20
50	Capacity Enhancement for mmWave Multi-Beam Satellite-Terrestrial Backhaul via Beam Sharing. , 2018, , .		6
51	Self-Organized Cell Outage Detection Architecture and Approach for 5G H-CRAN. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	0.8	9
52	Hotspot localization and prediction in wireless cellular networks via spatial traffic fitting. , 2018, , .		4
53	Uplink resource allocation for trade-off between throughput and fairness in C-RAN-based neighborhood area network. , 2018, , .		6
54	Cost- and reliability-oriented aggregation point association in long-term evolution and passive optical network hybrid access infrastructure for smart grid neighborhood area network. Optical Engineering, 2018, 57, 1.	0.5	1

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55	A Social-Aware Resource Allocation for 5G Device-to-Device Multicast Communication. IEEE Access, 2017, 5, 15717-15730.	2.6	48
56	Multi-Cell Cooperative Outage Compensation in Cloud-RANs Based 5G Public Safety Network. IEEE Access, 2017, 5, 17309-17321.	2.6	5
57	Uplink Resource Scheduling for Power Wireless Private Network Based on NB-IoT and LTE Hybrid Transmission. , 2017, , .		2
58	Capacity Enhancement for Next Generation Mobile Networks Using mmWave Aerial Base Station. , 2017, , .		3
59	Risk prediction of the SCADA communication network based on entropy-gray model. , 2017, , .		3
60	Coverage-oriented pon planning with LTE networks deployed for power distribution communication network. , 2017, , .		1
61	User association for load balancing in cellular network with hybrid cognitive radio relays. , 2017, , .		2
62	Generalised benders decomposition‐based load optimisation in cellular and public WLAN interworking network. IET Communications, 2017, 11, 1823-1830.	1.5	1
63	Cooperative Self-Organized Energy-Saving Mechanism of Cellular Network Based on Hybrid Energy Supplies. , 2017, , .		2
64	Energy-Saving Management Mechanism Based on Hybrid Energy Supplies for LTE Heterogeneous Networks. Mobile Information Systems, 2016, 2016, 1-13.	0.4	5
65	Utility Maximization for Load Optimization in Cellular/WLAN Interworking Network Based on Generalized Benders Decomposition. Mobile Information Systems, 2016, 2016, 1-14.	0.4	0
66	An Enhanced OFDM Resource Allocation Algorithm in C-RAN Based 5G Public Safety Network. Mobile Information Systems, 2016, 2016, 1-14.	0.4	7
67	A Fault Tolerance Mechanism for On-Road Sensor Networks. Sensors, 2016, 16, 2059.	2.1	8
68	User Association Based Cooperative Energy-Saving Mechanism in Heterogeneous 5G Access Networks. , 2016, , .		1
69	Energy efficient device-to-device clustering method in wireless communication network. , 2016, , .		6
70	Power modeling of BSs based on energy storage monitoring. , 2016, , .		0
71	Cell outage compensation based on CoMP and optimization of tilt. Journal of China Universities of Posts and Telecommunications, 2015, 22, 71-79.	0.8	8
72	An objective multi-layer QoE Evaluation for TCP video streaming. , 2015, , .		4

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73	Power consumption modeling of base stations based on dynamic factors. , 2015, , .		2
74	Topology-aware based energy-saving mechanism in wireless cellular networks. , 2015, , .		2
75	Self-healing based on cooperative transmission via bender's decomposition in cloud radio access network. China Communications, 2015, 12, 1-10.	2.0	4
76	A load balancing method in downlink LTE network based on load vector minimization. , 2015, , .		2
77	Reduced-reference video QoE assessment method based on image feature information. , 2015, , .		2
78	Energy-efficiency driven load balancing strategy in LTE-WiFi interworking heterogeneous networks. , 2015, , .		17
79	Low-Complexity Energy Efficient Base Station Cooperation Mechanism in LTE Networks. KSII Transactions on Internet and Information Systems, 2015, 9, .	0.7	1
80	A distributed cell outage compensation mechanism based on RS power adjustment in LTE networks. China Communications, 2014, 11, 40-47.	2.0	6
81	An energy-saving mechanism for mobile terminals based on LTE-A uplink CoMP. , 2014, , .		2
82	Dynamic multi-stage Energy-Saving Management mechanism based on Base Station cooperation. , 2013, , .		3
83	A Regional Autonomic Energy-saving Management Mechanism for Cellular Networks. Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology, 2013, 34, 2707-2714.	0.1	1
84	IP Flow Mobility Trigger Mechanism in Heterogeneous Wireless Networks. Journal of Information and Computational Science, 2013, 10, 2029-2040.	0.1	2
85	Centralized Management Mechanism for Cell Outage Compensation in LTE Networks. International Journal of Distributed Sensor Networks, 2012, 8, 170589.	1.3	5
86	Self-Organizing Energy-Saving Management Mechanism Based on Pilot Power Adjustment in Cellular Networks. International Journal of Distributed Sensor Networks, 2012, 8, 721957.	1.3	3
87	Automated coverage optimization scheme based on downtilt-adjustment in wireless access networks. , 2012, , .		1
88	A bandwidth-aware algorithm for dynamic service placement in size-fixed networks. , 2012, , .		0
89	Automated handover optimization mechanism for LTE femtocells. , 2012, , .		1
90	Optimization of energy saving in celluar networks using ant colony algorithm. , 2012, , .		0

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91	Handover self-optimization mechanism based on velocity for cellular networks. , 2012, , .		3
92	A Novel Energy-Saving Cell Selection Mechanism for Cellular Access Networks. , 2011, , .		3
93	A novel QoE assessment method for wireless networks. , 2011, , .		1
94	The Selection of the Monitored-Set for QoS Collection Based on Device-Agent. , 2010, , .		1