

Peng Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2587321/publications.pdf>

Version: 2024-02-01

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	Resource Allocation for 5G D2D Multicast Content Sharing in Social-Aware Cellular Networks. IEEE Communications Magazine, 2018, 56, 112-118.	4.9	72
2	BAFL: A Blockchain-Based Asynchronous Federated Learning Framework. IEEE Transactions on Computers, 2022, 71, 1092-1103.	2.4	61
3	A Social-Aware Resource Allocation for 5G Device-to-Device Multicast Communication. IEEE Access, 2017, 5, 15717-15730.	2.6	48
4	Deep Learning-Based Resource Allocation for 5G Broadband TV Service. IEEE Transactions on Broadcasting, 2020, 66, 800-813.	2.5	48
5	Dynamic Resource Allocation With RAN Slicing and Scheduling for uRLLC and eMBB Hybrid Services. IEEE Access, 2020, 8, 34538-34551.	2.6	37
6	News keyword extraction algorithm based on semantic clustering and word graph model. Tsinghua Science and Technology, 2021, 26, 886-893.	4.1	29
7	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
8	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
9	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
10	Energy-efficiency driven load balancing strategy in LTE-WiFi interworking heterogeneous networks. , 2015, , .		17
11	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
12	Latency-Optimal Virtual Network Functions Resource Allocation for 5G Backhaul Transport Network Slicing. Applied Sciences (Switzerland), 2019, 9, 701.	1.3	14
13	A fairness resource allocation algorithm for coverage and capacity optimization in wireless self-organized network. China Communications, 2018, 15, 10-24.	2.0	12
14	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
15	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
16	Deep learning-based BackCom multiple beamforming for 6G UAV IoT networks. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	1.5	11
17	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
18	Self-Organized Cell Outage Detection Architecture and Approach for 5G H-CRAN. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	0.8	9

#	ARTICLE	IF	CITATIONS
19	Interference Control Based on Stackelberg Game for D2D Underlying 5G mmWave Small Cell Networks. , 2019, , .		9
20	Emergency Communications Based on Throughput-Aware D2D Multicasting in 5G Public Safety Networks. Sensors, 2020, 20, 1901.	2.1	9
21	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
22	A Fault Tolerance Mechanism for On-Road Sensor Networks. Sensors, 2016, 16, 2059.	2.1	8
23	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
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	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
26	An Enhanced OFDM Resource Allocation Algorithm in C-RAN Based 5G Public Safety Network. Mobile Information Systems, 2016, 2016, 1-14.	0.4	7
27	Benders Decomposition-based video bandwidth allocation in mobile media cloud network. Multimedia Tools and Applications, 2018, 77, 877-895.	2.6	7
28	A DRL-based resource allocation framework for multimedia multicast in 5G cellular networks. , 2019, , .		7
29	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
30	A distributed cell outage compensation mechanism based on RS power adjustment in LTE networks. China Communications, 2014, 11, 40-47.	2.0	6
31	Energy efficient device-to-device clustering method in wireless communication network. , 2016, , .		6
32	Capacity Enhancement for mmWave Multi-Beam Satellite-Terrestrial Backhaul via Beam Sharing. , 2018, , .		6
33	Uplink resource allocation for trade-off between throughput and fairness in C-RAN-based neighborhood area network. , 2018, , .		6
34	A Deep Reinforcement Learning based Mechanism for Cell Outage Compensation in Massive IoT Environments. , 2019, , .		6
35	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
36	Slice Network Framework and Use Cases Based on FlexE Technology for Power Services. , 2021, , .		6

#	ARTICLE	IF	CITATIONS
37	Centralized Management Mechanism for Cell Outage Compensation in LTE Networks. International Journal of Distributed Sensor Networks, 2012, 8, 170589.	1.3	5
38	Energy-Saving Management Mechanism Based on Hybrid Energy Supplies for LTE Heterogeneous Networks. Mobile Information Systems, 2016, 2016, 1-13.	0.4	5
39	Multi-Cell Cooperative Outage Compensation in Cloud-RANs Based 5G Public Safety Network. IEEE Access, 2017, 5, 17309-17321.	2.6	5
40	Comprehensive vulnerability assessment and optimisation method of power communication network. International Journal of Embedded Systems, 2019, 11, 315.	0.2	5
41	DDPG-Based Energy-Efficient Flow Scheduling Algorithm in Software-Defined Data Centers. Wireless Communications and Mobile Computing, 2021, 2021, 1-10.	0.8	5
42	An objective multi-layer QoE Evaluation for TCP video streaming. , 2015, , .		4
43	Self-healing based on cooperative transmission via bender's decomposition in cloud radio access network. China Communications, 2015, 12, 1-10.	2.0	4
44	Energy-Efficient Resource Allocation Based on Hypergraph 3D Matching for D2D-Assisted mMTC Networks. , 2018, , .		4
45	Hotspot localization and prediction in wireless cellular networks via spatial traffic fitting. , 2018, , .		4
46	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
47	Enhanced 5G Mobile Broadcasting Service With Shape-Adaptive RIS. IEEE Transactions on Broadcasting, 2022, 68, 704-711.	2.5	4
48	A Novel Energy-Saving Cell Selection Mechanism for Cellular Access Networks. , 2011, , .		3
49	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
50	Handover self-optimization mechanism based on velocity for cellular networks. , 2012, , .		3
51	Dynamic multi-stage Energy-Saving Management mechanism based on Base Station cooperation. , 2013, , .		3
52	Capacity Enhancement for Next Generation Mobile Networks Using mmWave Aerial Base Station. , 2017, , .		3
53	Risk prediction of the SCADA communication network based on entropy-gray model. , 2017, , .		3
54	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

#	ARTICLE	IF	CITATIONS
55	End-to-End Service Deployment Using Graph Matching Search for B5G/6G Networks. , 2021, , .		3
56	Intelligent and Collaborative Orchestration of Network Slices. IEEE Transactions on Services Computing, 2023, 16, 1239-1253.	3.2	3
57	An energy-saving mechanism for mobile terminals based on LTE-A uplink CoMP. , 2014, , .		2
58	Power consumption modeling of base stations based on dynamic factors. , 2015, , .		2
59	Topology-aware based energy-saving mechanism in wireless cellular networks. , 2015, , .		2
60	A load balancing method in downlink LTE network based on load vector minimization. , 2015, , .		2
61	Reduced-reference video QoE assessment method based on image feature information. , 2015, , .		2
62	Uplink Resource Scheduling for Power Wireless Private Network Based on NB-IoT and LTE Hybrid Transmission. , 2017, , .		2
63	User association for load balancing in cellular network with hybrid cognitive radio relays. , 2017, , .		2
64	Cooperative Self-Organized Energy-Saving Mechanism of Cellular Network Based on Hybrid Energy Supplies. , 2017, , .		2
65	IP Flow Mobility Trigger Mechanism in Heterogeneous Wireless Networks. Journal of Information and Computational Science, 2013, 10, 2029-2040.	0.1	2
66	The Selection of the Monitored-Set for QoS Collection Based on Device-Agent. , 2010, , .		1
67	A novel QoE assessment method for wireless networks. , 2011, , .		1
68	Automated coverage optimization scheme based on downtilt-adjustment in wireless access networks. , 2012, , .		1
69	Automated handover optimization mechanism for LTE femtocells. , 2012, , .		1
70	User Association Based Cooperative Energy-Saving Mechanism in Heterogeneous 5G Access Networks. , 2016, , .		1
71	Coverage-oriented pon planning with LTE networks deployed for power distribution communication network. , 2017, , .		1
72	Generalised benders decomposition-based load optimisation in cellular and public WLAN interworking network. IET Communications, 2017, 11, 1823-1830.	1.5	1

#	ARTICLE	IF	CITATIONS
73	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
74	Transmission Guarantee Method of End-to-end Service In Narrowband Dynamic Environment. , 2020, , .		1
75	Mining fault association rules in the perception layer of electric power sensor network based on improved Eclat. , 2021, , .		1
76	A Regional Autonomic Energy-saving Management Mechanism for Cellular Networks. Dianzi Yu Xinxu Xuebao/Journal of Electronics and Information Technology, 2013, 34, 2707-2714.	0.1	1
77	Low-Complexity Energy Efficient Base Station Cooperation Mechanism in LTE Networks. KSII Transactions on Internet and Information Systems, 2015, 9, .	0.7	1
78	Resource Allocation for Componentized Multimedia Service in Ubiquitous Computing Power Environment. , 2021, , .		1
79	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
80	3D Deployment and User Association of CoMP-assisted Multiple Aerial Base Stations for Wireless Network Capacity Enhancement. , 2021, , .		1
81	Intelligent and Energy-efficient Distributed Resource Allocation for 5G Cloud Radio Access Networks. , 2021, , .		1
82	A bandwidth-aware algorithm for dynamic service placement in size-fixed networks. , 2012, , .		0
83	Optimization of energy saving in cellular networks using ant colony algorithm. , 2012, , .		0
84	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
85	Power modeling of BSs based on energy storage monitoring. , 2016, , .		0
86	Hotspot Localization and Prediction for Broadband Multimedia Services in 5G Networks. , 2019, , .		0
87	Dynamic Resource Scheduling Of Container-based Edge IoT Agents. , 2021, , .		0
88	An Efficiency Evaluation Method for Cloud-Edge Collaborative Network. , 2021, , .		0
89	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
90	Energy-Efficient Method Based on Dynamic Topology Switching and Reliability in SDNs. IEEE Transactions on Sustainable Computing, 2022, 7, 427-440.	2.2	0

#	ARTICLE	IF	CITATIONS
91	DRL Driven Energy-efficient Resource Allocation for Multimedia Broadband Services in Mobile Edge Network. , 2020, , .		0
92	A Computation Offloading Mechanism for Multimedia Services in Green Smart Community. , 2020, , .		0
93	Optimization of Data Delivery Performance for Broadcasting System over Dynamic Networks. , 2020, , .		0
94	Shape-Adaptive IRS-based SAG IoT network. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	1.5	0