

Lexi Xu

List of Publications by Year in descending order

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84
papers

1,720
citations

394421

19
h-index

434195

31
g-index

88
all docs

88
docs citations

88
times ranked

442
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy-Efficient Task Scheduling Based on Traffic Mapping in Heterogeneous Mobile-Edge Computing: A Green IoT Perspective. IEEE Transactions on Green Communications and Networking, 2023, 7, 972-982.	5.5	15
2	Telecom Big Data Based User Offloading Self-Optimisation in Heterogeneous Relay Cellular Systems. International Journal of Distributed Systems and Technologies, 2022, 8, 1-20.	0.7	117
3	Low Computational Complexity Digital Predistortion Based on Convolutional Neural Network for Wideband Power Amplifiers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1702-1706.	3.0	16
4	Recent advances in data-driven wireless communication using Gaussian processes: A comprehensive survey. China Communications, 2022, 19, 218-237.	3.2	31
5	Resource Scheduling Based on Deep Reinforcement Learning in UAV Assisted Emergency Communication Networks. IEEE Transactions on Communications, 2022, 70, 3834-3848.	7.8	26
6	RNe2Vec: information diffusion popularity prediction based on repost network embedding. Computing (Vienna/New York), 2021, 103, 271-289.	4.8	7
7	Joint Offloading and Resource Allocation for Satellite Assisted Vehicle-to-Vehicle Communication. IEEE Systems Journal, 2021, 15, 3958-3969.	4.6	47
8	A DRL Agent for Jointly Optimizing Computation Offloading and Resource Allocation in MEC. IEEE Internet of Things Journal, 2021, 8, 17508-17524.	8.7	119
9	Joint Interference Alignment and Power Control for Dense Networks via Deep Reinforcement Learning. IEEE Wireless Communications Letters, 2021, 10, 966-970.	5.0	36
10	Research on Wireless Resource Management and Scheduling for 5G Network Slice. , 2021, , .		9
11	A joint power and bandwidth allocation method based on deep reinforcement learning for V2V communications in 5G. China Communications, 2021, 18, 25-35.	3.2	17
12	Reservation-based EV charging recommendation concerning charging urgency policy. Sustainable Cities and Society, 2021, 74, 103150.	10.4	11
13	A Virtual Optical Network Mapping Algorithm Based on Machine Learning. Lecture Notes in Electrical Engineering, 2021, , 972-981.	0.4	0
14	Cross-Screen Tracking Method Based on User Behavior Data. Lecture Notes in Electrical Engineering, 2021, , 965-971.	0.4	2
15	Research and Application of Precision Marketing Algorithms for ETC Credit Card Based on Telecom Big Data. Lecture Notes in Electrical Engineering, 2021, , 1075-1084.	0.4	1
16	An Evaluation Model of User Lifetime Value Based on Improved RFM and AHP Method. Lecture Notes in Electrical Engineering, 2021, , 991-999.	0.4	0
17	Architecture and Technology of Multi-Source Heterogeneous Data System for Telecom Operator. Lecture Notes in Electrical Engineering, 2021, , 1000-1009.	0.4	23
18	Research on Classroom Attention Analysis Based on Multi-source Data Correlation. Lecture Notes in Electrical Engineering, 2021, , 903-909.	0.4	0

#	ARTICLE	IF	CITATIONS
19	A new algorithm for demographic expansion based on multi-scene differentiated communication data. , 2021, , .		0
20	Preference Recommendation Scheme based on Social Networks of Mobile Users. , 2021, , .		0
21	Joint Offloading Decision and Resource Allocation of 5G Edge Intelligent Computing for Complex Industrial Application. , 2021, , .		8
22	Evaluation and Application of News Transmission Speed in New Media Environment. , 2021, , .		0
23	A Novel Architecture and Algorithm for Prediction of Students Psychological Health based on Big Data. , 2021, , .		2
24	Research and Application of Intelligent Antenna Feeder Optimization System based on Big Data. , 2021, , .		4
25	A Hybrid User Recommendation Scheme Based on Collaborative Filtering and Association Rules. , 2021, , .		0
26	Cell Boundary Prediction and Base Station Location Verification based on Machine Learning. , 2021, , .		0
27	Big Data assisted Strategy for Resuming of Work and Production during COVID-19. , 2021, , .		2
28	Research on Coverage Ability Assessment of High and Low Frequency based on Machine Learning. , 2021, , .		0
29	Exploration and Discussion on Operation Management System of Telecom Operators. , 2021, , .		1
30	Cell Load and Resource-aware Flow Shifting Scheme based on Heterogeneous Mobile Networks Data. , 2021, , .		0
31	5G Residency Enhancement Method based on 5G Beam Intelligent Optimization. , 2021, , .		0
32	Coverage Estimation of Mobile Network Using Supervised Learning Model on Artificial Estimation Dataset. , 2021, , .		3
33	Research on Mobile and Broadband Integration User Identification based on Big Data Analysis. , 2021, , .		0
34	Mobile Network User Perception Prediction based on Random Forest Algorithm. , 2021, , .		0
35	Research on Distance based Data Records Matching Method for Mobile Network CDR. , 2021, , .		0
36	A Dynamic Beam Shut Off Algorithm for LEO Multibeam Satellite Constellation Network. IEEE Wireless Communications Letters, 2020, 9, 1730-1733.	5.0	26

#	ARTICLE	IF	CITATIONS
37	Distributed Intelligence: A Verification for Multi-Agent DRL-Based Multibeam Satellite Resource Allocation. IEEE Communications Letters, 2020, 24, 2785-2789.	4.1	33
38	Secure Beamforming and Jamming for Multibeam Satellite Systems With Correlated Wiretap Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 12348-12353.	6.3	23
39	Towards Efficient Battery Swapping Service Operation Under Battery Heterogeneity. IEEE Transactions on Vehicular Technology, 2020, 69, 6107-6118.	6.3	37
40	Low-Complexity PAPR Reduction Method for OFDM Systems Based on Real-Valued Neural Networks. IEEE Wireless Communications Letters, 2020, 9, 1840-1844.	5.0	42
41	Proximity as a Service for the Use Case of Access Enhancement Via Cellular Network-Assisted Mobile Device-to-Device. IEEE Access, 2020, 8, 31562-31573.	4.2	22
42	Latency and Energy Optimization for MEC Enhanced SAT-IoT Networks. IEEE Access, 2020, 8, 55915-55926.	4.2	89
43	Toward Sustainable and Economic Smart Mobility. , 2020, , .		60
44	Security Service Chain Based on SDN&NFV Construction Technology. Lecture Notes in Electrical Engineering, 2020, , 840-848.	0.4	1
45	A Novel 5G Core Network Capability Exposure Method for Telecom Operator. , 2020, , .		11
46	A Gender and Age Prediction Algorithm Using Big Data Analytic Based on Mobile APPs Information. Lecture Notes in Electrical Engineering, 2019, , 516-524.	0.4	0
47	An Insight Scheme for Large-Scale Events Based on Telecom Operators Data. , 2019, , .		11
48	Research on Evaluation Method of Wireless Network Cross-Boundary Coverage Based on Smart Terminals Location Data. , 2019, , .		9
49	A Novel Big Data Assisted Analysis Architecture for Telecom Operator. , 2019, , .		35
50	Sorting and Utilizing of Telecom Operators Data Assets Based on Big Data. , 2019, , .		28
51	Post-Evaluation Model of Telecommunication Network Construction Based on AHP. , 2019, , .		5
52	Research on Telecom Big Data Platform of LTE/5G Mobile Networks. , 2019, , .		83
53	Comprehensive Analysis System and Scenarios of Electric IoT Big Data. , 2019, , .		3
54	A Comprehensive Operation and Revenue Analysis Algorithm for LTE/5G Wireless System Based on Telecom Operator Data. , 2019, , .		79

#	ARTICLE	IF	CITATIONS
55	Telecom Big Data Assisted BS Resource Analysis for LTE/5G Systems. , 2019, , .		62
56	A Low Cost and Easy Implement Highway Accident Detection Model Based on Big Data. , 2019, , .		1
57	Rush Hour Capacity Enhancement in 5G Network Based on Hot Spot Floating Prediction. , 2019, , .		5
58	Research on User Behavioral Intention Based on Telecommunication Data. , 2019, , .		1
59	User Perception Aware Telecom Data Mining and Network Management for LTE/LTE-Advanced Networks. Lecture Notes in Electrical Engineering, 2019, , 237-245.	0.4	36
60	Data Mining for Base Station Evaluation in LTE Cellular Systems. Lecture Notes in Electrical Engineering, 2018, , 356-364.	0.4	14
61	Telecom Big Data Based User Analysis and Application in Telecom Industry. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 99-109.	0.3	18
62	End-to-End Algorithm for Recovering Human 3D Model from Monocular Images. , 2018, , .		2
63	Analysis and Prediction of Employee Turnover Characteristics based on Machine Learning. , 2018, , .		20
64	Research on SDN/NFV Network Traffic Management and Optimization based on Big Data and Artificial Intelligence. , 2018, , .		23
65	Crowdfunding Assisted Cellular System Analysis and Application. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 69-78.	0.3	3
66	A Downlink Coverage Self-optimizing Algorithm for LTE Cellular Networks Based on Big Data Analytics. Lecture Notes in Electrical Engineering, 2018, , 373-380.	0.4	1
67	Big Data Research on Driving Behavior Model and Auto Insurance Pricing Factors Based on UBI. Lecture Notes in Electrical Engineering, 2018, , 404-411.	0.4	20
68	A novel cluster algorithm for telecom customer segmentation. , 2016, , .		13
69	A quantum inspired evolutionary algorithm for dynamic multicast routing with network coding. , 2016, , .		7
70	A novel power control mechanism based on interference estimation in LTE cellular networks. , 2016, , .		30
71	Big data assisted customer analysis and advertising architecture for real estate. , 2016, , .		25
72	An Active Wideband and Wide-Angle Electromagnetic Absorber at Microwave Frequencies. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1913-1916.	4.0	56

#	ARTICLE	IF	CITATIONS
73	WCDMA data based LTE site selection scheme in LTE deployment. , 2016, , 249-260.		35
74	Spectrum allocation based on data mining in heterogeneous cognitive wireless networks. , 2016, , 315-328.		3
75	A PBIL for Load Balancing in Network Coding Based Multicasting. Lecture Notes in Computer Science, 2016, , 34-44.	1.3	20
76	A novel LTE network deployment scheme using telecom big data. , 2016, , 261-270.		9
77	A novel big data based problematical sectors detection algorithm in WCDMA networks. , 2016, , 357-366.		3
78	A Coverage of Self-Optimization Algorithm using big data analytics in WCDMA cellular networks. , 2016, , 289-297.		6
79	Self-organising cluster-based cooperative load balancing in OFDMA cellular networks. Wireless Communications and Mobile Computing, 2015, 15, 1171-1187.	1.2	86
80	Mobility load balancing aware radio resource allocation scheme for LTE-Advanced cellular networks. , 2015, , .		10
81	Self-optimised Coordinated Traffic Shifting Scheme for LTE Cellular Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 67-75.	0.3	23
82	Channel-aware optimised traffic shifting in LTE-Advanced relay networks. , 2014, , .		36
83	User Relay Assisted Traffic Shifting in LTE-Advanced Systems. , 2013, , .		43
84	User-vote assisted self-organizing load balancing for OFDMA cellular systems. , 2011, , .		7