

Chen Xu

List of Publications by Year in descending order

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49
papers

1,575
citations

471509

17
h-index

610901

24
g-index

49
all docs

49
docs citations

49
times ranked

2124
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy-Efficient Matching for Resource Allocation in D2D Enabled Cellular Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 5256-5268.	6.3	198
2	Social Big-Data-Based Content Dissemination in Internet of Vehicles. IEEE Transactions on Industrial Informatics, 2018, 14, 768-777.	11.3	174
3	Dependable Content Distribution in D2D-Based Cooperative Vehicular Networks: A Big Data-Integrated Coalition Game Approach. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 953-964.	8.0	134
4	Energy-Efficient Industrial Internet of UAVs for Power Line Inspection in Smart Grid. IEEE Transactions on Industrial Informatics, 2018, 14, 2705-2714.	11.3	125
5	Capacity Analysis of NOMA With mmWave Massive MIMO Systems. IEEE Journal on Selected Areas in Communications, 2017, 35, 1606-1618.	14.0	116
6	Game-Theoretical Energy Management for Energy Internet With Big Data-Based Renewable Power Forecasting. IEEE Access, 2017, 5, 5731-5746.	4.2	100
7	Energy-Efficient Stable Matching for Resource Allocation in Energy Harvesting-Based Device-to-Device Communications. IEEE Access, 2017, 5, 15184-15196.	4.2	87
8	Social Network-Based Content Delivery in Device-to-Device Underlay Cellular Networks Using Matching Theory. IEEE Access, 2017, 5, 924-937.	4.2	76
9	BEGIN: Big Data Enabled Energy-Efficient Vehicular Edge Computing. IEEE Communications Magazine, 2018, 56, 82-89.	6.1	72
10	Energy-Efficient Vehicular Heterogeneous Networks for Green Cities. IEEE Transactions on Industrial Informatics, 2018, 14, 1522-1531.	11.3	68
11	Energy-Minimization Task Offloading and Resource Allocation for Mobile Edge Computing in NOMA Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 16001-16016.	6.3	54
12	Iterative Energy-Efficient Stable Matching Approach for Context-Aware Resource Allocation in D2D Communications. IEEE Access, 2016, 4, 6181-6196.	4.2	43
13	Energy-efficient workload offloading and power control in vehicular edge computing. , 2018, , .		36
14	Joint Relay Selection and Resource Allocation for Energy-Efficient D2D Cooperative Communications Using Matching Theory. Applied Sciences (Switzerland), 2017, 7, 491.	2.5	27
15	Energy-Aware User Association for NOMA-Based Mobile Edge Computing Using Matching-Coalition Game. IEEE Access, 2020, 8, 61943-61955.	4.2	27
16	Dimension Reduction of Channel Correlation Matrix Using CUR-Decomposition Technique for 3-D Massive Antenna System. IEEE Access, 2018, 6, 3031-3039.	4.2	25
17	Cross-Layer Optimization for Cooperative Content Distribution in Multihop Device-to-Device Networks. IEEE Internet of Things Journal, 2019, 6, 278-287.	8.7	24
18	Service Caching Based Aerial Cooperative Computing and Resource Allocation in Multi-UAV Enabled MEC Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 10934-10947.	6.3	22

#	ARTICLE	IF	CITATIONS
19	Energy-efficient resource allocation in cognitive D2D communications: A game-theoretical and matching approach. , 2016, , .		15
20	Two-Stage Matching for Energy-Efficient Resource Management in D2D Cooperative Relay Communications. , 2017, , .		15
21	A Low-Latency and Massive-Connectivity Vehicular Fog Computing Framework for 5G. , 2018, , .		13
22	MEC in NOMA-HetNets: A Joint Task Offloading and Resource Allocation Approach. , 2021, , .		13
23	Robust Resource Allocation for Lightweight Secure Transmission in Multicarrier NOMA-Assisted Full Duplex IoT Networks. IEEE Internet of Things Journal, 2022, 9, 6443-6457.	8.7	13
24	A Game-Theoretical Approach for Green Power Allocation in Energy-Harvesting Device-to-Device Communications. , 2016, , .		11
25	Contract-Based Resource Allocation for Low-Latency Vehicular Fog Computing. , 2018, , .		10
26	Joint peer discovery and resource allocation for social-aware D2D communications: A matching approach. , 2016, , .		8
27	Joint relay selection and spectrum allocation in d2d-based cooperative vehicular networks. , 2017, , .		8
28	Performance evaluation of multi-antenna based M2M communications for substation monitoring. , 2016, , .		7
29	Trajectory-Based Reliable Content Distribution in D2D-Based Cooperative Vehicular Networks: A Coalition Formation Approach. , 2018, , .		7
30	SVM-Assisted Adaptive Kernel Power Density Clustering Algorithm for Millimeter Wave Channels. IEEE Transactions on Antennas and Propagation, 2022, 70, 4014-4026.	5.1	6
31	SWIPT-Based Energy Scheduling for Solar-Powered WSN in Full-Duplex Mode. IEEE Sensors Journal, 2022, 22, 13668-13681.	4.7	6
32	Service Caching Based Task Offloading and Resource Allocation in Multi-UAV Assisted MEC Networks. , 2021, , .		5
33	Energy-Efficient Resource Allocation for Mobile Edge Computing in NOMA-Enabled Small Cell Networks. , 2020, , .		5
34	Reliable Content Dissemination in Internet of Vehicles Using Social Big Data. , 2017, , .		4
35	Energy-efficient context-aware resource allocation in D2D communications: An iterative matching approach. , 2016, , .		3
36	Energy Management for Energy Internet: A Combination of Game Theory and Big Data-Based Renewable Power Forecasting. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
37	Joint User Association and Resource Allocation for NOMA-Based MEC: A Matching-Coalition Approach. , 2020, , .		3
38	Socially-Aware Energy-Efficient Task Partial Offloading in MEC Networks With D2D Collaboration. IEEE Transactions on Green Communications and Networking, 2022, 6, 1889-1902.	5.5	3
39	Deep-q-Networks-Based Adaptive Dual-Mode Energy-Efficient Routing in Rechargeable Wireless Sensor Networks. IEEE Sensors Journal, 2022, 22, 9956-9966.	4.7	3
40	Autonomous Power Line Inspection Based on Industrial Unmanned Aerial Vehicles: An Energy Efficiency Perspective. , 2018, , .		2
41	A Spectrum-Sharing Approach in Heterogeneous Networks Based on Multi-Objective Optimization. IEICE Transactions on Communications, 2017, E100.B, 1145-1151.	0.7	1
42	Low-Complexity Cross-Layer Resource Allocation for Low-Latency D2D-Based Relay Networks. , 2019, , .		1
43	D2D Assisted Cellular Networks in Licensed and Unlicensed Spectrum: Matching-Iteration-Based Joint User Access and Resource Allocation. Algorithms, 2021, 14, 80.	2.1	1
44	Learning-Based Trajectory Design and Time Allocation in UAV-Supported Wireless Powered NOMA-IoT Networks. , 2022, , .		1
45	MU-MIMO Resource Optimization for Device-to-Device Underlay Downlink Cellular Networks. , 2014, , .		0
46	MU-MIMO Resource Optimization for Device-to-Device Underlay Downlink Cellular Networks. , 2015, , .		0
47	Social-Aware Content Delivery in Device-to-Device Underlay Networks. , 2018, , 543-576.		0
48	Socially-aware content delivery for device-to-device communications underlay cellular networks. , 2018, , .		0
49	Social-Computing Based Long-Term Task Offloading in D2D-Enhanced MEC Networks. , 2021, , .		0