

Device-to-Device Communication in Cellular Networks

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Citation Report

#	ARTICLE	IF	CITATIONS
1	QC2LinQ: QoS and Channel-Aware Distributed Link Scheduler for D2D Communication. IEEE Transactions on Wireless Communications, 2016, 15, 8565-8579.	9.2	5
2	Failure recovery in wireless content distribution networks with device-to-device cooperation. Computer Networks, 2017, 128, 108-122.	5.1	7
3	Towards a Secure Mobile Edge Computing Framework for Hajj. IEEE Access, 2017, 5, 11768-11781.	4.2	49
4	Green Communication in Next Generation Cellular Networks: A Survey. IEEE Access, 2017, 5, 11727-11758.	4.2	199
5	Resource management in D2D communication: An optimization perspective. Journal of Network and Computer Applications, 2017, 93, 51-75.	9.1	35
6	Joint Spectrum and Energy Efficiency in Device to Device Communication Enabled Wireless Networks. IEEE Transactions on Cognitive Communications and Networking, 2017, 3, 217-225.	7.9	13
7	A survey on ultra-dense network and emerging technologies: Security challenges and possible solutions. Journal of Network and Computer Applications, 2017, 95, 54-78.	9.1	47
8	Cluster resource assignment algorithm for Device-to-Device networks based on graph coloring. , 2017, , .		2
9	A survey on green communication and security challenges in 5G wireless communication networks. Journal of Network and Computer Applications, 2017, 96, 39-61.	9.1	76
10	A survey of distributed resource allocation for device-to-device communication in cellular networks. , 2017, , .		7
11	Generalized SINR analysis for device-to-device communications. , 2017, , .		1
12	Vertical handover activate condition algorithm for device-to-device communication. , 2017, , .		1
13	CelEc framework for reconfigurable small cells as part of 5G ultra-dense networks. , 2017, , .		10
14	A survey on relay selection in cooperative device-to-device (D2D) communication for 5G cellular networks. , 2017, , .		39
15	Handover requirement analysis in device-to-device communication for next generation networks. , 2017, , .		1
16	A Survey on Socially Aware Device-to-Device Communications. IEEE Communications Surveys and Tutorials, 2018, 20, 2169-2197.	39.4	103
17	Next generation cellular networks and green communication. , 2018, , .		0
18	Joint channel allocation and power control based on PSO for cellular networks with D2D communications. Computer Networks, 2018, 133, 104-119.	5.1	30

#	ARTICLE	IF	CITATIONS
19	Security in device-to-device communications: a survey. IET Networks, 2018, 7, 14-22.	1.8	47
20	Sector-Based Radio Resource Allocation (SBRR) Algorithm for Better Quality of Service and Experience in Device-to-Device (D2D) Communication. IEEE Transactions on Vehicular Technology, 2018, 67, 5750-5765.	6.3	20
21	User-centric content sharing via cache-enabled device-to-device communication. Journal of Network and Computer Applications, 2018, 115, 103-115.	9.1	9
22	A Survey of Device-to-Device Communications: Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2018, 20, 2133-2168.	39.4	402
23	A proactive scalable approach for reliable cluster formation in wireless networks with D2D offloading. Ad Hoc Networks, 2018, 77, 42-53.	5.5	11
24	SGMA: Semi-granted multiple access for non-orthogonal multiple access (NOMA) in 5G networking. Journal of Network and Computer Applications, 2018, 112, 115-125.	9.1	11
25	An overview of device-to-device communication in cellular networks. ICT Express, 2018, 4, 203-208.	4.8	120
26	Performance of D2D underlay and overlay for multi-class elastic traffic. Computer Communications, 2018, 117, 147-163.	5.1	2
27	Security for 4G and 5G cellular networks: A survey of existing authentication and privacy-preserving schemes. Journal of Network and Computer Applications, 2018, 101, 55-82.	9.1	190
28	Adaptive Resource Block Allocation for Green 5G Wireless Communication Networks. , 2018, , .		1
29	Research Challenges on Device to Device Communication: A Technology for Next Generation Cellular Network. , 2018, , .		3
30	Joint Routing and Wireless Resource Allocation in Multihop LTE-D2D Communications. , 2018, , .		2
31	Probe/PreAck: A Joint Solution for Mitigating Hidden and Exposed Node Problems and Enhancing Spatial Reuse in Dense WLANs. IEEE Access, 2018, 6, 55171-55185.	4.2	5
32	Evolved Multimedia Broadcasting and Multicasting Services in LTE-A Using Device to Device Communication. , 2018, , .		2
33	Energy Efficient Neighbor Discovery for mmWave D2D Networks Using Polya's Necklaces. , 2018, , .		2
34	Average Sum Rate and Energy Efficiency for D2D Communication Underlaid Cellular Networks. , 2018, , .		0
35	IoTmC: A Low Cost IoT Application for Mobile Communications. , 2018, , .		1
36	Overview of Device-to-Device Communication and Vehicle-to-Vehicle Communication. International Journal of Engineering and Technology(UAE), 2018, 7, 859.	0.3	0

#	ARTICLE	IF	CITATIONS
37	An Approach for Improving Performance of Underlay D2D Communication. , 2018, , .		3
38	Distance-Constrained Outage Probability Analysis for Device-to-Device Communications Underlying Cellular Networks with Frequency Reuse Factor of 2. Computers, 2018, 7, 50.	3.3	8
39	D2D Communication and Energy Efficiency on LTE for Public Safety Networks. , 2018, , .		4
40	Effect of Mobility and Receive Window on TCP in Device to Device Communication. , 2018, , .		1
41	Major Trends in Device to Device Communications Research: A Bibliometric Analysis. , 2018, , .		3
42	QoE-Driven Resource Allocation for Live Video Streaming Over D2D-Underlaid 5G Cellular Networks. IEEE Access, 2018, 6, 72563-72580.	4.2	15
43	Performance Evaluation of Scheduling Schemes for D2D Communications. , 2018, , .		0
44	Channel Assignment for D2D communication : A Regret Matching Based Approach. , 2018, , .		7
45	Successful file transmission in mobile D2D networks with caches. Computer Networks, 2018, 147, 162-179.	5.1	4
46	Interference management for D2D communications in heterogeneous cellular networks. Pervasive and Mobile Computing, 2018, 51, 138-149.	3.3	16
47	E2ARC: Energy-efficient adaptive resource block allocation with low complexity in device-to-device communication. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3525.	3.9	1
48	Design and Evaluation of a Hybrid D2D Discovery Mechanism in 5G Cellular Networks. , 2018, , .		10
49	Energy and spectrum efficient mobility-aware resource management for D2D multicasting. Computer Networks, 2018, 146, 47-64.	5.1	7
50	Energy-efficient DRX scheduling for D2D communication in 5G networks. Journal of Network and Computer Applications, 2018, 116, 53-64.	9.1	15
51	Social-Aware Device-to-Device Offloading Based on Experimental Mobility and Content Similarity Models. Wireless Communications and Mobile Computing, 2018, 2018, 1-16.	1.2	5
52	Joint multicast routing and OFDM resource allocation in LTE-D2D 5G cellular network. , 2018, , .		3
53	Percolation for D2D networks on street systems. , 2018, , .		8
54	Routing in Multi-Hop Cellular Device-to-Device (D2D) Networks: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 2622-2657.	39.4	115

#	ARTICLE	IF	CITATIONS
55	Green NOMA With Multiple Interference Cancellation (MIC) Using Sector-Based Resource Allocation. IEEE Transactions on Network and Service Management, 2018, 15, 1006-1017.	4.9	23
56	Energy efficiency in cognitive radio assisted D2D communication networks. Telecommunication Systems, 2019, 71, 167-180.	2.5	9
57	Inspection of Error Performance and Interference Avoidance Technique for Cooperative Relay in Underlay D2D Networks. , 2019, , .		0
58	Energy-Efficient Power Allocation Scheme for Uplink Distributed Antenna System with D2D Communication. Mobile Networks and Applications, 2021, 26, 1225-1232.	3.3	1
59	A Fuzzy-based Delay and Energy-Aware Routing Protocol for Multi-hop Cellular Networks. , 2019, , .		0
60	A primer on design aspects, recent advances, and challenges in cellular device-to-device communication. Ad Hoc Networks, 2019, 94, 101938.	5.5	16
61	Joint resource allocation and power control based on Bee Life Algorithm for D2D Communication. , 2019, , .		2
62	Abnormal telephone identification via an ensemble-based classification framework. , 2019, , .		0
63	Relay-Assisted D2D Underlay Cellular Network Analysis Using Stochastic Geometry: Overview and Future Directions. IEEE Access, 2019, 7, 115023-115051.	4.2	23
64	Sum-Rate Maximization with Joint Power Allocation and Mode Selection in D2D-Enabled 5G Cellular Networks. , 2019, , .		2
65	Soft Frequency Reuse-Based Resource Allocation for D2D Communications Using Both Licensed and Unlicensed Bands. , 2019, , .		4
66	Synergy between Communication, Computing, and Caching for Smart Sensing in Internet of Things. Procedia Computer Science, 2019, 147, 504-511.	2.0	6
67	Internet of things for smart grid applications. , 2019, , 249-307.		5
68	Interference-aware channel assignment and power allocation for device-to-device communication underlying cellular network. AEU - International Journal of Electronics and Communications, 2019, 112, 152928.	2.9	9
69	DAMS: D2D-assisted multimedia streaming service with minimized BS transmit power in cellular networks. Computer Communications, 2019, 144, 149-161.	5.1	12
70	A Context-aware Radio Access Technology selection mechanism in 5G mobile network for smart city applications. Journal of Network and Computer Applications, 2019, 135, 97-107.	9.1	41
71	Energy-efficient device-to-device communication using adaptive resource block allocation. International Journal of Communication Systems, 2019, 32, e3922.	2.5	10
72	Proposing behavior-oriented strategies for earthquake emergency evacuation: A behavioral data analysis from New Zealand, Italy and Japan. Safety Science, 2019, 116, 295-309.	4.9	47

#	ARTICLE	IF	CITATIONS
73	In-Band Device to Device (D2D) Communication and Device Discovery: A Survey. Wireless Personal Communications, 2019, 106, 451-472.	2.7	33
74	A compendious study of device-to-device communication underlaying cellular networks. International Journal of Mobile Network Design and Innovation, 2019, 9, 68.	0.1	1
75	Dynamic group-based scheduling of machine-to-machine communication for uplink traffic in LTE networks. International Journal of Ad Hoc and Ubiquitous Computing, 2019, 30, 48.	0.5	1
76	The Influence of Canyon Shadowing on Device-to-Device Connectivity in Urban Scenario. , 2019, , .		3
77	Minimizing Battery Consumption in Mobile Device To Device and Spectrum Sharing Network: An Approach. , 2019, , .		0
78	Mobile Network Architecture for Emergency Rescue Services in the Smart City. , 2019, , .		0
79	Outage Probability of Device-to-Device Communication Underlaying Cellular Network over Nakagami-Rayleigh Fading Channels. , 2019, , .		4
80	Device-Enhanced MEC: Multi-Access Edge Computing (MEC) Aided by End Device Computation and Caching: A Survey. IEEE Access, 2019, 7, 166079-166108.	4.2	146
81	Energy Efficient Resource Allocation for Wireless Power Transfer-Supported D2D Communication With Battery. IEEE Access, 2019, 7, 185666-185676.	4.2	3
82	Interference Management in D2D-Enabled Heterogeneous Cellular Networks Using Matching Theory. IEEE Transactions on Mobile Computing, 2019, 18, 2091-2102.	5.8	46
83	Low-Latency Networking: Where Latency Lurks and How to Tame It. Proceedings of the IEEE, 2019, 107, 280-306.	21.3	89
84	Energy Efficiency of Device-to-Device Communication Underlaid Cellular Networks over Nakagami-m Fading Channels. Lecture Notes on Data Engineering and Communications Technologies, 2019, , 660-667.	0.7	0
85	Device to device communication: A survey. Journal of Network and Computer Applications, 2019, 129, 71-89.	9.1	44
86	A Data-Centric Approach for Social and Spatiotemporal Sensing in Smart Cities. IEEE Internet Computing, 2019, 23, 9-18.	3.3	8
87	FINDER: A D2D based critical communications framework for disaster management in 5G. Peer-to-Peer Networking and Applications, 2019, 12, 912-923.	3.9	26
88	A Quality-Aware Fuzzy-Logic-Based Vertical Handover Decision Algorithm for Device-to-Device Communication. Arabian Journal for Science and Engineering, 2019, 44, 2413-2425.	3.0	14
89	Performance analysis of SLTC-D2D handover mechanism in software-defined networks. International Journal of Computers and Applications, 2019, 41, 245-254.	1.3	9
90	Bio-inspired power control and channel allocation for cellular networks with D2D communications. Wireless Networks, 2019, 25, 1273-1288.	3.0	10

#	ARTICLE	IF	CITATIONS
91	An Intelligence-Based Recurrent Learning Scheme for Optimal Channel Allocation and Selection in Device-to-Device Communications. Circuits, Systems, and Signal Processing, 2020, 39, 997-1018.	2.0	3
92	Uplink Resource Sharing and Power Management Scheme for an Underlay D2D Communication. Wireless Personal Communications, 2020, 110, 637-650.	2.7	6
93	Design and performance evaluation of a LoRa-based mobile emergency management system (LOCATE). Ad Hoc Networks, 2020, 96, 101993.	5.5	36
94	Outage probability and ergodic channel capacity of underlay device-to-device communications over κ - μ shadowed fading channels. Wireless Networks, 2020, 26, 573-582.	3.0	8
95	A Critical Review of 3GPP Standardization of Device-to-Device Communication in Cellular Networks. SN Computer Science, 2020, 1, 1.	3.6	28
96	A matching game for tasks offloading in integrated edge-fog computing systems. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3718.	3.9	15
97	Performance Analysis of Device Discovery Algorithms for D2D Communication. Arabian Journal for Science and Engineering, 2020, 45, 1457-1471.	3.0	6
98	Efficient Device-to-Device Service Invocation Using Arrowhead Orchestration. IEEE Internet of Things Journal, 2020, 7, 429-439.	8.7	14
99	Energy Efficiency for Data Offloading in D2D Cooperative Caching Networks. Wireless Communications and Mobile Computing, 2020, 2020, 1-11.	1.2	0
100	Energy efficient transmission trends towards future green cognitive radio networks (5G): Progress, taxonomy and open challenges. Journal of Network and Computer Applications, 2020, 168, 102760.	9.1	58
101	Multiple User Cooperative Mobility in Mobile Ad Hoc Networks: An Interaction Position Game. IEEE Access, 2020, 8, 126297-126314.	4.2	12
102	Energy Efficiency Optimization and Dynamic Mode Selection Algorithms for D2D Communication Under HetNet in Downlink Reuse. IEEE Access, 2020, 8, 95251-95265.	4.2	22
103	Autonomous Resource Slicing for Virtualized Vehicular Networks With D2D Communications Based on Deep Reinforcement Learning. IEEE Systems Journal, 2020, 14, 4694-4705.	4.6	38
104	Asynchronous Neighbor Discovery on Duty-Cycled Mobile Devices: Models and Schedules. IEEE Transactions on Wireless Communications, 2020, 19, 5204-5217.	9.2	6
105	Internet of Reliable Things: Toward D2D-enabled NB-IoT. , 2020, , .		8
106	Device-To-Device Communication in 5G Environment: Issues, Solutions, and Challenges. Symmetry, 2020, 12, 1762.	2.2	42
107	Electromagnetic Radiation Reduction in 5G Networks and Beyond Using Thermal Radiation Mode. IEEE Transactions on Vehicular Technology, 2020, 69, 11841-11856.	6.3	11
108	Research on 5G Wireless Network Deployment in Tourist Cities. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
109	Simulation of Vehicle Network Communication Security Based on Random Geometry and Data Mining. IEEE Access, 2020, 8, 69389-69400.	4.2	4
110	Optimal power adaptive decode–forward cooperative device&to&device communication policies. IET Communications, 2020, 14, 784-799.	2.2	3
111	A Resource Sharing Scheme for Intercell D2D Communication in Cellular Networks: A Repeated Game Theoretic Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 7806-7820.	6.3	29
112	On Outage Analysis in SWIPT Enabled Bidirectional D2D Communications Using Spectrum Sharing in Cellular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 10167-10176.	6.3	15
113	EMBLR: A High-Performance Optimal Routing Approach for D2D Communications in Large-scale IoT 5G Network. Symmetry, 2020, 12, 438.	2.2	12
114	A Three-Stage Fuzzy-Logic-Based Handover Necessity Estimation and Target Network Selection Scheme for Next Generation Heterogeneous Networks. Journal of Circuits, Systems and Computers, 2020, 29, 2050092.	1.5	10
115	Composite Technology Challenge System for Optimization in 5G Communications. SN Computer Science, 2020, 1, 1.	3.6	0
116	Mixed Uplink, Downlink Channel Allocation and Power Allocation Schemes for 5G Networks. Wireless Personal Communications, 2020, 112, 2253-2274.	2.7	3
117	Distributed Artificial Intelligence Solution for D2D Communication in 5G Networks. IEEE Systems Journal, 2020, 14, 4232-4241.	4.6	48
118	Network Coding for Efficient Video Multicast in Device-to-Device Communications. Sensors, 2020, 20, 2254.	3.8	6
119	On spectrally-efficient device-to-device communication with wireless information and power transfer. Telecommunication Systems, 2021, 76, 569-578.	2.5	3
120	Internet of Flying Things (IoFT): A Survey. Computer Communications, 2021, 165, 53-74.	5.1	53
121	A review on resource allocation techniques in D2D communication for 5G and B5G technology. Peer-to-Peer Networking and Applications, 2021, 14, 243-269.	3.9	35
122	Future (post-COVID) digital, smart and sustainable cities in the wake of 6G: Digital twins, immersive realities and new urban economies. Land Use Policy, 2021, 101, 105201.	5.6	137
123	Adaptive Spectrum Aggregation Regimen for Downlink NR-gNodeB and Device to Device Systems in 5G. Wireless Personal Communications, 2021, 117, 1755-1771.	2.7	1
124	Telling Secrets in the Light: An Efficient Key Extraction Mechanism Via Ambient Light. IEEE Transactions on Wireless Communications, 2021, 20, 186-198.	9.2	1
125	Modeling DRX for D2D Communication. IEEE Internet of Things Journal, 2021, 8, 2574-2584.	8.7	8
126	Efficient traffic control and lifetime maximization in mobile ad hoc network by using PSO“BAT optimization. Wireless Networks, 2021, 27, 861-870.	3.0	9

#	ARTICLE	IF	CITATIONS
127	A Resource-Aware Method for Parallel D2D Data Streaming. Lecture Notes in Computer Science, 2021, , 696-707.	1.3	0
128	Multi-Relay Assisted Computation Offloading for Multi-Access Edge Computing Systems With Energy Harvesting. IEEE Transactions on Vehicular Technology, 2021, 70, 10941-10956.	6.3	23
129	Selecting the Best Transmitter in Wireless Device-to-Device Communications Using a Fuzzy Decision-Making Method. Advances in Intelligent Systems and Computing, 2021, , 509-520.	0.6	3
130	Energy-Efficient Device Discovery Mechanism for Device-to-Device Communications in 5G Networks. Energies, 2021, 14, 270.	3.1	2
131	Interference Mitigation in D2D Communication Underlying Cellular Networks: Towards Green Energy. Computers, Materials and Continua, 2021, 68, 45-58.	1.9	14
132	Enhanced Spectrum Access for QoS Provisioning in Multi-Class Cognitive D2D Communication System. IEEE Access, 2021, 9, 33608-33624.	4.2	9
133	A Survey of Machine Learning Applications to Handover Management in 5G and Beyond. IEEE Access, 2021, 9, 45770-45802.	4.2	44
134	Evaluating the Energy Efficiency of UE-to-Network Relay Assisted Device-to-Device Communication. , 2021, , .		0
135	Secure Device-to-Device communications for 5G enabled Internet of Things applications. Computer Communications, 2021, 169, 114-128.	5.1	37
136	Semi-distributed resource allocation and power quantization control algorithm for device-to-device network. International Journal of Communication Systems, 2021, 34, e4820.	2.5	1
137	A Novel Approach to D2D Discovery in PSN for Post-Disaster: Throughput Based Discovery Algorithm (TDA). Wireless Personal Communications, 2021, 119, 3339-3363.	2.7	2
138	Performance Evaluation of Transmission Mode Selection in D2D communication. , 2021, , .		3
139	A Comprehensive Survey on Security Issues in 5G Wireless Communication Network using Beamforming Approach. Wireless Personal Communications, 2021, 119, 3447-3501.	2.7	6
140	Clustering based opportunistic traffic offloading technique for device-to-device communication. International Journal of Systems Assurance Engineering and Management, 2023, 14, 827-839.	2.4	3
141	A D2D assisted multi-hop data dissemination protocol for inter-UAV communication. International Journal of Communication Systems, 2021, 34, e4857.	2.5	6
142	Game theoretic and non-game theoretic resource allocation approaches for D2D communication. Ain Shams Engineering Journal, 2021, 12, 2385-2393.	6.1	7
143	Transmission capacity analysis of relay-assisted D2D cellular networks with interference cancellation. Ad Hoc Networks, 2021, 117, 102400.	5.5	5
144	A Comparative Analysis of Wi-Fi Offloading and Cooperation in Small-Cell Network. Electronics (Switzerland), 2021, 10, 1493.	3.1	2

#	ARTICLE	IF	CITATIONS
145	5G D2D Transmission Mode Selection Performance & Cluster Limits Evaluation of Distributed AI and ML Techniques. , 2021, , .		1
146	Adaptive relay selection based on channel gain and link distance for cooperative out-band device-to-device networks. Heliyon, 2021, 7, e07430.	3.2	5
147	Green5G: Enhancing Capacity and Coverage in Device-to-Device Communication. Computers, Materials and Continua, 2021, 67, 1933-1950.	1.9	14
148	Multi-level Cluster Based Device-to-Device (D2D) Communication Protocol for the Base Station Failure Situation. Lecture Notes in Computer Science, 2017, , 755-765.	1.3	13
149	A comprehensive survey on spectrum sharing: Architecture, energy efficiency and security issues. Journal of Network and Computer Applications, 2018, 103, 29-57.	9.1	43
150	Sector Scanning Algorithm (SSA) for device discovery in D2D communication. International Journal of Electronics, 2021, 108, 45-66.	1.4	4
151	Joint DL/UL Decouple User Association in Microwave and mmWave Enabled Beyond 5G Heterogeneous Networks. IEEE Access, 2021, 9, 134703-134715.	4.2	9
152	Analysis of Application of Small-Cell and D2D Communication Technology to Improve Performance in 5G Communication Environment. Journal of Electrical Engineering and Technology, 2022, 17, 1347-1356.	2.0	0
153	Decentralized Authentication for Opportunistic Communications in Disaster Situations. Lecture Notes in Computer Science, 2017, , 558-569.	1.3	1
154	Energy Efficient Optimization Scheme for Uplink Distributed Antenna System with D2D Communication. EAI/Springer Innovations in Communication and Computing, 2020, , 35-43.	1.1	0
155	Device to Device Communication using Stackelberg Game Theory approach. , 2020, , .		3
157	Optimal Resource Sharing Amongst Device-to-Device Communication Using Particle Swarm Algorithm. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 1-11.	0.7	0
158	A survey on sleep mode techniques for ultra-dense networks in 5G and beyond. Computer Networks, 2021, 201, 108567.	5.1	25
159	Outage Analysis of D2D-based Ultra-Reliable Low Latency Communication System under Nakagami-m Fading Channel. , 2020, , .		2
160	A low-latency and reliable multihop D2D transmissions scheduling algorithm for guaranteed message dissemination. Ad Hoc Networks, 2021, 126, 102755.	5.5	1
161	Communication-Efficient Semihierarchical Federated Analytics in IoT Networks. IEEE Internet of Things Journal, 2022, 9, 12614-12627.	8.7	2
162	Resource Allocation for D2D Cellular Networks With QoS Constraints: A DC Programming- Based Approach. IEEE Access, 2022, 10, 16424-16438.	4.2	3
163	Bayesian Coalition Game for Overlay D2D Spectrum Sharing in Cellular Networks. FUOYE Journal of Engineering and Technology, 2020, 5, .	0.2	0

#	ARTICLE	IF	CITATIONS
164	PERFORMANCE ANALYSIS OF RESOURCE ALLOCATION TECHNIQUES FOR POWER CONTROL IN DEVICE-TO-DEVICE CELLULAR SYSTEMS. Engineering and Technology Research Journal, 2020, 5, 45-59.	0.1	0
165	A new pairing scheme for D2D with cellular users in underlay spectrum sharing. , 2020, , .		1
166	5G-EECC: Energy-Efficient Collaboration-Based Content Sharing Strategy in Device-to-Device Communication. Security and Communication Networks, 2022, 2022, 1-13.	1.5	2
167	A resource allocation scheme for D2D communications with unknown channel state information. Peer-to-Peer Networking and Applications, 2022, 15, 1189-1213.	3.9	6
168	A Survey of Collaborative Machine Learning Using 5G Vehicular Communications. IEEE Communications Surveys and Tutorials, 2022, 24, 1280-1303.	39.4	38
169	A Survey on Device to Device Communications. , 2022, , .		1
170	Survey on Device to Device (D2D) Communication for 5G/6G Networks: Concept, Applications, Challenges, and Future Directions. IEEE Access, 2022, 10, 30792-30821.	4.2	50
171	A survey on energy-efficient resource allocation schemes in device-to-device communication. International Journal of Communication Systems, 2022, 35, .	2.5	2
172	Energy optimized resource and power allocation in an uplink-based underlay device-to-device communication for 5G network. International Journal of Communication Systems, 2022, 35, .	2.5	2
173	Analysis of Coordinated Pricing Model of Closed-Loop Supplying Chain Based on Game Theory in E-Commerce Environment. Journal of Mathematics, 2022, 2022, 1-12.	1.0	2
174	Energy-Efficient Power Control and Resource Allocation Based on Deep Reinforcement Learning for D2D Communications in Cellular Networks. , 2021, , .		0
175	QSPCA: A Two-Stage Efficient Power Control Approach in D2D Communication for 5G Networks. Intelligent and Converged Networks, 2021, 2, 295-305.	4.8	8
178	On the Performance Optimization of Two-Way Hybrid VLC/RF-Based IoT System Over Cellular Spectrum. IEEE Internet of Things Journal, 2022, 9, 21204-21213.	8.7	4
179	Dynamic D2D Communication in 5G/6G Using a Distributed AI Framework. IEEE Access, 2022, 10, 62772-62799.	4.2	4
180	Interference Avoidance Resource Allocation for D2D-Enabled 5G Narrowband Internet of Things. IEEE Internet of Things Journal, 2022, 9, 22752-22764.	8.7	6
181	QoS-Aware Traffic Offloading for Energy Efficient D2D Communication in 5G Network for IoT application. Journal of Physics: Conference Series, 2022, 2273, 012004.	0.4	0
182	Internet of Low-Altitude UAVs (IoLoUA): a methodical modeling on integration of Internet of "Things" with "UAV" possibilities and tests. Artificial Intelligence Review, 2023, 56, 2279-2324.	15.7	8
183	Path selection and resource allocation for 5G multi-hop D2D networks. Computer Communications, 2022, 195, 292-302.	5.1	2

#	ARTICLE	IF	CITATIONS
184	Distributed Ledger Technology Based Architecture for Decentralized Device-to-Device Communication Network. IEEE Access, 2022, 10, 92006-92022.	4.2	1
185	Outage analysis of two-way relaying in SWIPT-enabled CCRN with co-channel interference. International Journal of Communication Systems, 0, , .	2.5	0
186	Inter-clustering Cooperative Relay Selection Schemes for 5G Device-to-device Communication Networks. , 2022, 20, 143-152.		0
187	Interference Challenges and Management in B5G Network Design: A Comprehensive Review. Electronics (Switzerland), 2022, 11, 2842.	3.1	19
188	A security protocol for D2D communications in 5G networks using elliptic curve cryptography. International Journal of Information Security, 2022, 21, 1389-1408.	3.4	1
189	Threshold-Based User-Assisted Cooperative Relaying in Beamspace Massive MIMO NOMA Systems. Sensors, 2022, 22, 7445.	3.8	0
190	Power Coordination based Efficient Resource Allocation for Device-to-Device Communication in 5G Networks. International Journal of Electrical & Electronics Research, 2022, 10, 760-764.	1.6	0
191	Fairness-based user association and resource blocks allocation in satellite-terrestrial integrated networks. Physical Communication, 2022, 55, 101934.	2.1	3
192	Lebesgue Measures Based Power Control Annealing in 5G D2D Networks Under QoS Constraints for IoT Applications. Wireless Personal Communications, 2023, 129, 623-639.	2.7	4
193	A Learning Based Framework for Enhancing Physical Layer Security in Cooperative D2D Network. Electronics (Switzerland), 2022, 11, 3981.	3.1	2
194	Joint resource and power allocation for 5G enabled D2D networking with NOMA. Computer Networks, 2023, 222, 109536.	5.1	1
195	On Outage Analysis in Overlay CCRN with RF Energy Harvesting and Co-channel Interference. Wireless Personal Communications, 2023, 129, 993-1007.	2.7	0
196	Soft FFR Scheme for Distributed D2D Communication in Multicell of Cellular Communication Networks. , 2022, , .		2
197	A Survey of Resource Management in D2D Communication for B5G Networks. IEEE Access, 2023, 11, 7892-7923.	4.2	9
198	Device Discovery Approaches in D2D Communication: A Survey. , 2022, , .		0
199	Device Discovery in D2D Communication: Scenarios and Challenges. Computers, Materials and Continua, 2023, 75, 1735-1750.	1.9	0
200	A Survey on 5G Coverage Improvement Techniques: Issues and Future Challenges. Sensors, 2023, 23, 2356.	3.8	16
201	Hybrid Cell Selection Mechanism for V2X Handover. Lecture Notes in Networks and Systems, 2023, , 641-655.	0.7	0

#	ARTICLE	IF	CITATIONS
202	Impact of Mobile Received Signal Strength (RSS) on Roaming and Non-roaming Mobile Subscribers. Wireless Personal Communications, 2023, 129, 1921-1938.	2.7	0
203	A survey on essential challenges in relay-aided D2D communication for next-generation cellular networks. Journal of Network and Computer Applications, 2023, 216, 103657.	9.1	7
204	A technique to improve IoT connectivity based on NB-IoT and D2D communications. ITM Web of Conferences, 2023, 52, 01010.	0.5	0
205	An archetypal determination of mobile cloud computing for emergency applications using decision tree algorithm. Journal of Cloud Computing: Advances, Systems and Applications, 2023, 12, .	3.9	6
206	UAVs-assisted Multi-Hop D2D Communication using Hybrid PTS for disaster management. , 2023, , .		1
207	Resource Allocation for Device-to-Device Networks Using WOA and PSO Algorithms. Lecture Notes in Networks and Systems, 2023, , 757-782.	0.7	0
208	Quantum based flexible secure authentication protocol (SAP) for device to device (D2D) communication. Optical and Quantum Electronics, 2023, 55, .	3.3	1
209	A Green Energy Efficient D2D Cooperative Communication. , 2023, , .		1
212	Delay-Oriented Probabilistic Edge Caching Strategy in a Device-to-Device-Enabled IoT System. IEEE Sensors Journal, 2023, 23, 28159-28171.	4.7	0
213	UAVâassisted multiâhop D2D relaying for communication in large disaster area. International Journal of Communication Systems, 2023, 36, .	2.5	0
214	The UAV Assisted Wireless Powered on D2D Communication Hybrid AF/DF Multi Relay Based. , 2023, , .		0
216	Duelling Q-Learning Based Path Selection for 5G D2D Networks. , 2023, , .		0
217	Optimal <scp>D2D</scp> power for secure <scp>D2D</scp> communication with random eavesdropper in <scp>5GâIoT</scp> networks. Concurrency Computation Practice and Experience, 0, , .	2.2	0
218	Adaptive Robust Beamforming Approach for Power Optimization in Device-To-Device (D2D) Communication Network. Lecture Notes in Networks and Systems, 2023, , 241-256.	0.7	0
219	Research on Computing and Network Convergence Resource Allocation Based on Stackelberg Game for New Power System. , 2023, , .		0
220	Optimizing resource allocation for D2D communications with incomplete CSI. Wireless Networks, 0, , .	3.0	0
221	Load based dynamic channel allocation model to enhance the performance of device-to-device communication in WPAN. Wireless Networks, 0, , .	3.0	0