

Qinghe Du

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4785843/publications.pdf>

Version: 2024-02-01

143
papers

1,982
citations

304743

22
h-index

302126

39
g-index

143
all docs

143
docs citations

143
times ranked

2030
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning-Based DDoS-Attack Detection for Cyber-Physical System Over 5G Network. IEEE Transactions on Industrial Informatics, 2021, 17, 860-870.	11.3	118
2	Physical layer security with its applications in 5G networks: A review. China Communications, 2017, 14, 1-14.	3.2	106
3	Social-Feature Enabled Communications Among Devices Toward the Smart IoT Community. IEEE Communications Magazine, 2019, 57, 130-137.	6.1	93
4	Security-Aware Relaying Scheme for Cooperative Networks With Untrusted Relay Nodes. IEEE Communications Letters, 2015, 19, 463-466.	4.1	91
5	A Review of Physical Layer Security Techniques for Internet of Things: Challenges and Solutions. Entropy, 2018, 20, 730.	2.2	80
6	Statistical QoS provisionings for wireless unicast/multicast of multi-layer video streams. IEEE Journal on Selected Areas in Communications, 2010, 28, 420-433.	14.0	79
7	Fountain-Coding Aided Strategy for Secure Cooperative Transmission in Industrial Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2016, 12, 291-300.	11.3	74
8	CAD-MAC: A Channel-Aggregation Diversity Based MAC Protocol for Spectrum and Energy Efficient Cognitive Ad Hoc Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 237-250.	14.0	64
9	Two Birds With One Stone: Towards Secure and Interference-Free D2D Transmissions via Constellation Rotation. IEEE Transactions on Vehicular Technology, 2016, 65, 8767-8774.	6.3	61
10	Traffic-aware ACB scheme for massive access in machine-to-machine networks. , 2015, , .		58
11	Exploiting Fountain Codes for Secure Wireless Delivery. IEEE Communications Letters, 2014, 18, 777-780.	4.1	54
12	Security Provisioning for MISO Vehicular Relay Networks via Cooperative Jamming and Signal Superposition. IEEE Transactions on Vehicular Technology, 2017, 66, 10732-10747.	6.3	53
13	Semi-supervised learning based big data-driven anomaly detection in mobile wireless networks. China Communications, 2018, 15, 41-57.	3.2	48
14	Security-Aware Waveforms for Enhancing Wireless Communications Privacy in Cyber-Physical Systems via Multipath Receptions. IEEE Internet of Things Journal, 2017, 4, 1924-1933.	8.7	46
15	Interference-controlled D2D routing aided by knowledge extraction at cellular infrastructure towards ubiquitous CPS. Personal and Ubiquitous Computing, 2015, 19, 1033-1043.	2.8	43
16	QoS-Aware Base-Station Selections for Distributed MIMO Links in Broadband Wireless Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 1123-1138.	14.0	42
17	Delay and Throughput Oriented Continuous Spectrum Sensing Schemes in Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2012, 11, 2148-2159.	9.2	38
18	Mobile Edge Computing-Based Data-Driven Deep Learning Framework for Anomaly Detection. IEEE Access, 2019, 7, 137656-137667.	4.2	34

#	ARTICLE	IF	CITATIONS
19	Partial time-frequency resource allocation for device-to-device communications underlying cellular networks. , 2013, , .		33
20	Artificial Intelligence-Powered Mobile Edge Computing-Based Anomaly Detection in Cellular Networks. IEEE Transactions on Industrial Informatics, 2020, 16, 4986-4996.	11.3	33
21	Joint Packet Scheduling and Subcarrier Assignment for Video Communications Over Downlink OFDMA Systems. IEEE Transactions on Vehicular Technology, 2012, 61, 2753-2767.	6.3	31
22	Security enhancement for video transmission via noise aggregation in immersive systems. Multimedia Tools and Applications, 2016, 75, 5345-5357.	3.9	30
23	Optimal Power Allocation for Underlay-Based Cognitive Radio Networks With Primary User's Statistical Delay QoS Provisioning. IEEE Transactions on Wireless Communications, 2015, 14, 6896-6910.	9.2	29
24	Securing Wireless Transmission against Reactive Jamming: A Stackelberg Game Framework. , 2015, , .		26
25	Securing Two-Way Cooperative Systems With an Untrusted Relay: A Constellation-Rotation Aided Approach. IEEE Communications Letters, 2015, 19, 2270-2273.	4.1	23
26	Full-Duplex or Half-Duplex? Hybrid Relay Selection for Physical Layer Secrecy. , 2016, , .		22
27	Recall-Based Dynamic Spectrum Auction with the Protection of Primary Users. IEEE Journal on Selected Areas in Communications, 2012, 30, 2070-2081.	14.0	21
28	Interference-Aware Resource Competition Toward Power-Efficient Ultra-Dense Networks. IEEE Transactions on Communications, 2017, 65, 5415-5428.	7.8	20
29	Interference-aware routing for hop-count minimization in wireless D2D networks. , 2013, , .		19
30	Deep Learning-Based Big Data-Assisted Anomaly Detection in Cellular Networks. , 2018, , .		18
31	Massive Access Control Aided by Knowledge-Extraction for Co-Existing Periodic and Random Services over Wireless Clinical Networks. Journal of Medical Systems, 2016, 40, 171.	3.6	17
32	Social-Aware D2D Relay Networks for Stability Enhancement: An Optimal Stopping Approach. IEEE Transactions on Vehicular Technology, 2018, 67, 8860-8874.	6.3	17
33	Dynamic RACH Partition for Massive Access of Differentiated M2M Services. Sensors, 2016, 16, 455.	3.8	16
34	Joint dynamic clustering and user scheduling for downlink cloud radio access network with limited feedback. China Communications, 2015, 12, 147-159.	3.2	15
35	Secure Cooperative Transmission Against Jamming-Aided Eavesdropper for ARQ Based Wireless Networks. IEEE Access, 2017, 5, 3763-3776.	4.2	15
36	Overview of Prospects for Service-Aware Radio Access towards 6G Networks. Electronics (Switzerland), 2022, 11, 1262.	3.1	15

#	ARTICLE	IF	CITATIONS
37	Joint Feedback and Artificial Noise Design for Secure Communications Over Fading Channels Without Eavesdropper's CSI. IEEE Transactions on Vehicular Technology, 2017, 66, 11414-11418.	6.3	14
38	Joint Sensing and Transmission for AF Relay Assisted PU Transmission in Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 2249-2261.	14.0	13
39	Private Blockchain in Industrial IoT. IEEE Network, 2020, 34, 76-77.	6.9	13
40	Queuing analyses and statistically bounded delay control for two-hop green wireless relay transmissions. Concurrency Computation Practice and Experience, 2013, 25, 1050-1063.	2.2	12
41	Joint Battery-Buffer Sustainable Guarantees in Energy-Harvesting Enabled Wireless Networks. , 2015, , .		12
42	Cooperative Relaying and Jamming for Primary Secure Communication in Cognitive Two-Way Networks. , 2016, , .		12
43	Security Enhancement for Multicast over Internet of Things by Dynamically Constructed Fountain Codes. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	1.2	12
44	Secure transmission for mixed FSO-RF relay networks with physical-layer key encryption and wiretap coding. Optics Express, 2017, 25, 10078.	3.4	11
45	Security-Aware Waveform and Artificial Noise Design for Time-Reversal-Based Transmission. IEEE Transactions on Vehicular Technology, 2018, 67, 5486-5490.	6.3	11
46	Symbiotic Communication: Concurrent Transmission for Multi-Users Based on Backscatter Communication. , 2020, , .		11
47	Energy cooperation for reciprocally-benefited spectrum access in cognitive radio networks. , 2014, , .		10
48	Traffic-aware overload control scheme in 5G ultra-dense M2M networks. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3146.	3.9	10
49	Towards win-win: weighted-Voronoi-diagram based channel quantization for security enhancement in downlink cloud-RAN with limited CSI feedback. Science China Information Sciences, 2017, 60, 1.	4.3	10
50	Cross-Layer Design Based Rate Control for Mobile Multicast in Cellular Networks. , 2007, , .		9
51	Optimal relay power allocation for Amplify-and-Forward OFDM relay networks with deliberate clipping. , 2012, , .		9
52	On P2P-Share Oriented Routing over Interference-Constrained D2D Networks. , 2014, , .		9
53	Interference-constrained routing over P2P-share enabled multi-hop D2D networks. Peer-to-Peer Networking and Applications, 2017, 10, 1354-1370.	3.9	9
54	Satellite QoS Routing Algorithm Based on Energy Aware and Load Balancing. , 2020, , .		9

#	ARTICLE	IF	CITATIONS
55	A study on query terms proximity embedding for information retrieval. International Journal of Distributed Sensor Networks, 2017, 13, 155014771769489.	2.2	8
56	Mobility Based Routing Protocol with MAC Collision Improvement in Vehicular Ad Hoc Networks. , 2018, , .		8
57	High-rate relay beamforming for simultaneous wireless information and power transfer. Electronics Letters, 2014, 50, 1759-1761.	1.0	7
58	Reciprocally Benefited Spectrum Access Scheme With Joint Power and Subcarrier Allocation in a Software-Defined Network. IEEE Access, 2015, 3, 1248-1259.	4.2	7
59	A hybrid channel estimation strategy against pilot spoofing attack in MISO system. , 2016, , .		7
60	Design of system-level simulation platform for 5G networks. , 2016, , .		7
61	A cross-layer framework for multi-layer-video multicast with QoS requirements in multirate wireless networks. IEEE Communications Letters, 2009, 13, 658-660.	4.1	6
62	Base-station selections for qos provisioning over distributed multi-user MIMO links in wireless networks. , 2011, , .		6
63	Sustainability-Driven Power Control for Energy Harvesting Enhanced Wireless Transmission. , 2014, , .		6
64	High-rate cooperative beamforming for physical-layer security in wireless cyber-physical systems. , 2015, , .		6
65	On Transmit-Diversity Based Multicast in Mobile Wireless Networks. , 2006, , .		5
66	Effective Capacity Optimization with Layered Transmission for Multicast in Wireless Networks. , 2008, , .		5
67	Buffering-aided resource allocation for Type I relay in LTE-Advanced cellular networks. , 2014, , .		5
68	Energy management scheme for mobile terminals in energy efficient heterogeneous network. , 2014, , .		5
69	Antenna Tilt Assignment for Three-Dimensional Beamforming in Multiuser Systems. , 2015, , .		5
70	User association as a stochastic game for enhanced performance in heterogeneous networks. , 2015, , .		5
71	Adaptive Multicast with Power and Rate Control Over Fading Channels in Mobile Wireless Networks. , 2007, , .		4
72	Optimal Resource Allocation for Spectrum Sensing Based Cognitive Radio Networks with Statistical QoS Guarantees. Mobile Networks and Applications, 2012, 17, 711-720.	3.3	4

#	ARTICLE	IF	CITATIONS
73	Dynamic Spectrum Auction with Time Optimization in Cognitive Radio Networks. , 2012, , .		4
74	Coalition-assisted energy efficiency optimization via uplink macro-femto cooperation. , 2014, , .		4
75	Statistical security model and power adaptation over wireless fading channels. , 2015, , .		4
76	Reciprocally-Benefited Secure Transmission for Spectrum Sensing-Based Cognitive Radio Sensor Networks. Sensors, 2016, 16, 1998.	3.8	4
77	Enhancing physical-layer security via big-data-aided hybrid relay selection. Journal of Communications and Information Networks, 2017, 2, 97-110.	5.2	4
78	Multiple Access in Large-Scale LoRaWAN: Challenges, Solutions, and Future Perspectives. IEEE Consumer Electronics Magazine, 2024, , 1-9.	2.3	4
79	Statistical Delay Control and QoS-Driven Power Allocation over Two-Hop Wireless Relay Links. , 2011, , .		3
80	A joint optimization of transmission mode selection and resource allocation for cognitive relay networks. , 2013, , .		3
81	AF-Based CSI Feedback for User Selection in Multi-User MIMO Systems. , 2015, , .		3
82	Security protection over wireless fading channels by exploiting frequency selectivity. , 2016, , .		3
83	A Cooperative Multi-RSU Caching Scheme in Vehicular Networks With Fountain Codes. , 2021, , .		3
84	Network-Load Estimation for K-Repetition Grant-Free Access Enabling Adaptive Resource Allocation Towards QoS Enhancement. , 2021, , .		3
85	Adaptive Power and Rate Allocation for Mobile Multicast Throughput Optimization Over Fading Channels in Wireless Networks. Computer Communications and Networks (IC3N), Proceedings of the IEEE International Conference on, 2006, , .	0.0	2
86	Cross-Layer Resource-Consumption Optimization for Mobile Multicast in Wireless Networks. , 0, , .		2
87	On Rate Adaptation for Video Multicast with Layered Coding over Multirate Wireless Networks. , 2008, , .		2
88	A DOF-based dynamic spectrum auction algorithm in cognitive femtocell. Concurrency Computation Practice and Experience, 2013, 25, 1126-1143.	2.2	2
89	An effective semi-static interference coordination scheme for wireless cellular systems. , 2013, , .		2
90	Adaptive generalized space shift keying and downlink multi-user transmission in MIMO fading channels. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
91	A small cell deployment strategy towards amorphous coverage in the cellular network. , 2015, , .		2
92	Cooperative jamming with untrusted SUs for secure communication of two-hop primary system. , 2015, , .		2
93	Cooperative Physical-Layer Approach for Downlink Privacy Preserving in Multiuser Relay Networks. , 2016, , .		2
94	Jamming or Forwarding? Full-Duplex Relaying for Physical Layer Security. , 2016, , .		2
95	Credit-aware power control for device-to-device underlying cellular networks. , 2016, , .		2
96	Optimal power allocation for cognitive radio sensor networks under primary secrecy outage constraint. , 2016, , .		2
97	Active jamming for multi-user information security improvement with the access statuses of users. Security and Communication Networks, 2016, 9, 3893-3910.	1.5	2
98	Primary Secure Communication with the Cooperation of Energy Harvesting Secondary System. , 2016, , .		2
99	A contextual multi-armed bandit approach to caching in wireless small cell network. , 2017, , .		2
100	QoS Based Cooperative Communications and Security Mechanisms for Ad Hoc Sensor Networks. Journal of Sensors, 2017, 2017, 1-2.	1.1	2
101	Design in Power-Domain NOMA: Eavesdropping Suppression in the Two-User Relay Network with Compensation for the Relay User. Mobile Networks and Applications, 2018, 23, 1068-1079.	3.3	2
102	Security-Enhanced Wireless Multicast via Adaptive Fountain Codes over Distributed Caching Network. , 2018, , .		2
103	Secure Transmission for Buffer-Aided Relay Networks with Delay Constraints. , 2019, , .		2
104	Space-Partition-Driven Learning Network for Efficient MIMO Detection. Procedia Computer Science, 2021, 187, 507-511.	2.0	2
105	Cooperative Regional Caching and Distribution in Space-Terrestrial Integrated Networks. , 2021, , .		2
106	Game-theoretic approach for QoS-aware resource competition in wireless networks. , 2009, , .		1
107	A distributed routing and time-slot assignment algorithm for cognitive radio ad hoc networks with primary-user protection. , 2012, , .		1
108	An iterative screening strategy based on detection performance for multi-channel cooperative spectrum sensing. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
109	Adaptive low-complexity constellation-reduction aided detection in MIMO systems employing high-order modulation. , 2013, , .		1
110	Robust Detection with Stable Throughput over Ill-Conditioned Channels for High-Order MIMO Systems. , 2013, , .		1
111	Prediction based interference management and distributed trajectory regulation in amorphous cells. , 2015, , .		1
112	Secure Secondary Communications with Curious Primary Users in Cognitive Underlay Networks. , 2016, , .		1
113	Outage Constrained Secrecy Rate Maximization for Relay Networks against Unknown Eavesdroppers. , 2017, , .		1
114	Robust Relay in Narrow-Band Communications for Ubiquitous IoT Access. Journal of Sensors, 2017, 2017, 1-10.	1.1	1
115	Queue-Aware Joint ACB Control and Resource Allocation for mMTC Networks. , 2018, , .		1
116	Fountain Code Transmission in Dual Connectivity Based on Partial Overlapped Data. , 2019, , .		1
117	Dual-antenna Time-delay Countermeasure Against Passive Location System. , 2020, , .		1
118	Heterogeneous Satellite Network Routing Algorithm Based on Reinforcement Learning and Mobile Agent. , 2020, , .		1
119	Cooperative Routing and Transmission over Multi-hop Network of RFID Tags. , 2021, , .		1
120	An improved adaptive mmse algorithm for multirate multiuser detection in WCDMA Systems. , 0, , .		0
121	Cross-Layer Resource-Consumption Optimization for Mobile Multicast in Wireless Networks. , 0, , .		0
122	Dynamic Base Station Selections for QoS Provisioning over Distributed MIMO Links. , 2010, , .		0
123	A Channel-Aggregation Diversity Based MAC Protocol in Power-Constrained Cognitive Ad Hoc Networks. , 2011, , .		0
124	A variable breadth based adaptive tree search algorithm for MIMO systems. , 2012, , .		0
125	Cognitive AF Relay Schemes for Uplink Transmission in Macrocellular Networks. , 2012, , .		0
126	Random-backoff enabled distributed scheduling in CoMP systems. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
127	Precoding for MU-MIMO system in low scattering channel environments. , 2013, , .		0
128	Adaptive grouping-modulation aided transceiver design for high-order MIMO systems. , 2013, , .		0
129	Securing Wireless Transmission against Reactive Jamming: A Stackelberg Game Framework. , 2014, , .		0
130	Load-Aware Relay Selection in LTE - A System via Global Differentiated-Fairness Control. , 2014, , .		0
131	AF-Based CSI Feedback for User Selection in Multi-User MIMO Systems. , 2014, , .		0
132	Antenna Tilt Assignment for Three-Dimensional Beamforming in Multiuser Systems. , 2014, , .		0
133	Cyclic-Shifting Based Sequential Cooperative Spectrum Sensing Strategy for Multi-Channel Cognitive Radio Networks. , 2014, , .		0
134	Joint Battery-Buffer Sustainable Guarantees in Energy-Harvesting Enabled Wireless Networks. , 2014, , .		0
135	Cyclic-Shifting Based Sequential Cooperative Spectrum Sensing Strategy for Multi-Channel Cognitive Radio Networks. , 2015, , .		0
136	Robust Precoder-and-Receiver Design for Interference Suppression and Channel Uncertainty Restraint in Multi-User CoMP System. , 2015, , .		0
137	Secure and Energy Efficient Transmission in Multiuser Uplink Wireless Networks. , 2016, , .		0
138	Development of Physical Layer Security Simulation Platform. Procedia Computer Science, 2021, 187, 495-500.	2.0	0
139	Distance and norm based antenna selection for generalized spatial modulation in correlated MIMO fading channels. WIT Transactions on Information and Communication Technologies, 2014, , .	0.0	0
140	A Secure Transmission Scheme Based on Efficient Transmission Fountain Code. , 2020, , .		0
141	Reinforcement Learning Routing in Space-Air-Ground Integrated Networks. , 2021, , .		0
142	Performance enhancement for differential energy signal detection of ambient backscatter communications. Transactions on Emerging Telecommunications Technologies, 0, , .	3.9	0
143	Secure Transmission Using Angle Reciprocity for TDD/FDD Massive MIMO Systems. , 2021, , .		0