

Yan Huo

List of Publications by Year in descending order

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104
papers

1,405
citations

471061

17
h-index

414034

32
g-index

106
all docs

106
docs citations

106
times ranked

1409
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectrum prediction in cognitive radio networks. IEEE Wireless Communications, 2013, 20, 90-96.	6.6	233
2	Secure and Efficient Data Communication Protocol for Wireless Body Area Networks. IEEE Transactions on Multi-Scale Computing Systems, 2016, 2, 94-107.	2.5	111
3	Jamming Strategies for Physical Layer Security. IEEE Wireless Communications, 2018, 25, 148-153.	6.6	91
4	Channel quality prediction based on Bayesian inference in cognitive radio networks. , 2013, , .		81
5	Secure Communications in Tiered 5G Wireless Networks With Cooperative Jamming. IEEE Transactions on Wireless Communications, 2019, 18, 3265-3280.	6.1	53
6	Optimal Spectrum Sensing Interval in Cognitive Radio Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2408-2417.	4.0	44
7	Cooperative Relay Selection in Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 1872-1881.	3.9	44
8	LoDPD: A Location Difference-Based Proximity Detection Protocol for Fog Computing. IEEE Internet of Things Journal, 2017, 4, 1117-1124.	5.5	34
9	Cooperative jamming for secure communications in MIMO Cooperative Cognitive Radio Networks. , 2015, , .		33
10	A Scheme for Trustworthy Friendly Jammer Selection in Cooperative Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 3500-3512.	3.9	31
11	Joint Optimization of Communications and Federated Learning Over the Air. IEEE Transactions on Wireless Communications, 2022, 21, 4434-4449.	6.1	30
12	SIC-Based Secrecy Performance in Uplink NOMA Multi-Eavesdropper Wiretap Channels. IEEE Access, 2018, 6, 19664-19680.	2.6	28
13	Achievable transmission capacity of cognitive mesh networks with different media access control. , 2012, , .		26
14	A multi-unit truthful double auction framework for secondary market. , 2013, , .		25
15	Re-ADP: Real-Time Data Aggregation with Adaptive ϵ -Event Differential Privacy for Fog Computing. Wireless Communications and Mobile Computing, 2018, 2018, 1-13.	0.8	25
16	Worst-Case Cooperative Jamming for Secure Communications in CloT Networks. Sensors, 2016, 16, 339.	2.1	23
17	An enhanced low overhead and stable clustering scheme for crossroads in VANETs. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	22
18	An overview of privacy preserving schemes for industrial Internet of Things. China Communications, 2020, 17, 1-18.	2.0	22

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19	Cooperative Spectrum Prediction in Multi-PU Multi-SU Cognitive Radio Networks. <i>Mobile Networks and Applications</i> , 2014, 19, 502-511.	2.2	21
20	Blockchain Based Dynamic Spectrum Access of Non-Real-Time Data in Cyber-Physical-Social Systems. <i>IEEE Access</i> , 2020, 8, 64486-64498.	2.6	21
21	A Novel Cooperative Jamming Scheme for Wireless Social Networks Without Known CSI. <i>IEEE Access</i> , 2017, 5, 26476-26486.	2.6	19
22	Cooperative relay selection in cognitive radio networks. , 2013, , .		15
23	Analysis of secrecy performance in fading multiple access wiretap channel with SIC receiver. , 2017, , .		15
24	The Secrecy Analysis over Physical Layer in NOMA-Enabled Cognitive Radio Networks. , 2018, , .		15
25	Secure transmission solutions in energy harvesting enabled cooperative cognitive radio networks. , 2018, , .		14
26	An Efficient Scheme for Tag Information Update in RFID Systems on Roads. <i>IEEE Transactions on Vehicular Technology</i> , 2016, 65, 2435-2444.	3.9	13
27	Communication-efficient Federated Learning Through 1-Bit Compressive Sensing and Analog Aggregation. , 2021, , .		13
28	Joint design of jammer selection and beamforming for securing MIMO cooperative cognitive radio networks. <i>IET Communications</i> , 2017, 11, 1264-1274.	1.5	12
29	Coalition Game-Based Secure and Effective Clustering Communication in Vehicular Cyber-Physical System (VCPS). <i>Sensors</i> , 2017, 17, 475.	2.1	12
30	A Context-Aware Budget-Constrained Targeted Advertising System for Vehicular Networks. <i>IEEE Access</i> , 2018, 6, 8704-8713.	2.6	12
31	An Intermittent Cooperative Jamming Strategy for Securing Energy-Constrained Networks. <i>IEEE Transactions on Communications</i> , 2019, 67, 7715-7726.	4.9	12
32	BEV-SGD: Best Effort Voting SGD Against Byzantine Attacks for Analog-Aggregation-Based Federated Learning Over the Air. <i>IEEE Internet of Things Journal</i> , 2022, 9, 18946-18959.	5.5	12
33	Optimal Stopping Theory Based Jammer Selection for Securing Cooperative Cognitive Radio Networks. , 2016, , .		11
34	ZF-SIC Based Individual Secrecy in SIMO Multiple Access Wiretap Channel. <i>IEEE Access</i> , 2017, 5, 7244-7253.	2.6	11
35	Outage Probability Minimization for Energy Harvesting Cognitive Radio Sensor Networks. <i>Sensors</i> , 2017, 17, 224.	2.1	11
36	Privacy Preserving Scheme for Location Based Services Using Cryptographic Approach. , 2018, , .		11

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37	A novel secure relay selection strategy for energy-harvesting-enabled Internet of things. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2018, 2018, .	1.5	10
38	Efficient privacy-preserving dot-product computation for mobile big data. <i>IET Communications</i> , 2017, 11, 704-712.	1.5	9
39	A traceable threshold attribute-based signcryption for mHealthcare social network. <i>International Journal of Sensor Networks</i> , 2018, 26, 43.	0.2	9
40	A next-hop selection scheme providing long path lifetime in VANETs. , 2015, , .		8
41	Combinatorial auction based spectrum allocation under heterogeneous supply and demand. <i>Computer Communications</i> , 2015, 60, 109-118.	3.1	8
42	Throughput Optimization for Energy Harvesting Cognitive Radio Networks with Save-Then-Transmit Protocol. <i>Computer Journal</i> , 2017, 60, 911-924.	1.5	8
43	Cooperative spectrum prediction in multi-PU multi-SU cognitive radio networks. , 2013, , .		6
44	Worst-Case Jamming for Secure Communications in Multi-antenna Cooperative Cognitive Radio Networks with Energy Harvesting. , 2015, , .		6
45	Achieving secure communications in multi-antenna cooperative cognitive radio networks using cooperative jamming. <i>International Journal of Sensor Networks</i> , 2016, 22, 100.	0.2	6
46	Predictive Contention Window-Based Broadcast Collision Mitigation Strategy for VANET. , 2016, , .		6
47	A coalition formation game based relay selection scheme for cooperative cognitive radio networks. <i>Wireless Networks</i> , 2017, 23, 2533-2544.	2.0	6
48	A Secure and Scalable Data Communication Scheme in Smart Grids. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-17.	0.8	6
49	Joint Optimization of Spectrum Sensing and Transmit Power in Energy Harvesting Cognitive Radio Sensor Networks. <i>Computer Journal</i> , 2019, 62, 215-230.	1.5	6
50	A Survey of Cooperative Jamming-Based Secure Transmission for Energy-Limited Systems. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-11.	0.8	6
51	Space Power Synthesis-Based Cooperative Jamming for Unknown Channel State Information. <i>Lecture Notes in Computer Science</i> , 2017, , 483-495.	1.0	6
52	Combinatorial auction based channel allocation in cognitive radio networks. , 2013, , .		5
53	SoRoute: a reliable and effective social-based routing in cognitive radio ad hoc networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2014, 2014, .	1.5	5
54	Double Auction for Joint Channel and Power Allocation in Cognitive Radio Networks. <i>Computer Journal</i> , 2015, 58, 3295-3305.	1.5	5

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55	Home-Based Multi-Copy Routing in Mobile Social Networks. , 2016, , .		5
56	An efficient anonymous batch authentication scheme based on priority and cooperation for VANETs. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	1.5	5
57	An Attribute-Based Secure and Scalable Scheme for Data Communications in Smart Grids. Lecture Notes in Computer Science, 2017, , 469-482.	1.0	5
58	Routing in user-centric networks. , 2014, 52, 44-51.		4
59	Achievable transmission capacity of cognitive radio networks with cooperative relaying. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	1.5	4
60	Secrecy Energy Efficiency Optimization for Cooperative Jamming in Cognitive Radio Networks. , 2018, , .		4
61	Speeding detection in RFID Systems on Roads. , 2013, , .		3
62	Energy-efficient data dissemination strategy for roadside infrastructure in VCPS. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	3
63	Coalition Game-Based Clustering Strategy for Crossroads in VANETs. , 2016, , .		3
64	An optimal multiple stopping rule-based cooperative downloading scheme in vehicular cyber-physical systems. International Journal of Distributed Sensor Networks, 2017, 13, 155014771769984.	1.3	3
65	A Learning-Aided Intermittent Cooperative Jamming Scheme for Non-slotted Wireless Transmission in an IoT System. IEEE Internet of Things Journal, 2022, 9, 9354-9366.	5.5	3
66	Best Effort Voting Power Control for Byzantine-resilient Federated Learning Over the Air. , 2022, , .		3
67	Vehicle road distance measurement and maintenance in RFID systems on roads. , 2014, , .		2
68	Throughput maximization for energy harvesting cognitive radio networks with finite horizon. , 2017, , .		2
69	A Location Prediction-Based Helper Selection Scheme for Suspicious Eavesdroppers. Wireless Communications and Mobile Computing, 2017, 2017, 1-11.	0.8	2
70	Security and Privacy for Smart Cyber-Physical Systems. Security and Communication Networks, 2019, 2019, 1-2.	1.0	2
71	Security Analysis of Cooperative Jamming in Internet of Things with Multiple Eavesdroppers. , 2019, , .		2
72	Cooperative secure transmission against collusive eavesdroppers in Internet of Things. International Journal of Distributed Sensor Networks, 2020, 16, 155014772093346.	1.3	2

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73	Enhancing Dependability Analysis Provisioning in CBTC Wireless Communication System With Age of Information. IEEE Transactions on Vehicular Technology, 2022, 71, 1617-1630.	3.9	2
74	Voice/Data Call Admission Control Algorithm Based on Call Buffer in Wireless Networks. , 2007, , .		1
75	Secured access control for vehicles in RFID systems on roads. Personal and Ubiquitous Computing, 2014, 18, 1893-1900.	1.9	1
76	Efficient Change Verification of Member Cardinality in Cluster-Based VCPS. , 2015, , .		1
77	Iterative Auction Based Bandwidth Assignment in CRNs with QoS Provisioning. Wireless Personal Communications, 2015, 80, 1703-1715.	1.8	1
78	Simultaneous energy and information cooperation in MIMO cooperative cognitive radio systems. , 2015, , .		1
79	Efficient evaluation of member cardinality in cluster-based vehicular cyber-physical systems. International Journal of Distributed Sensor Networks, 2016, 12, 155014771666425.	1.3	1
80	A Fuzzy Adaptive Data Fusion Strategy for Intelligent Vehicle Systems. , 2016, , .		1
81	Individual secrecy of fading homogeneous multiple access wiretap channel with successive interference cancellation. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, .	1.5	1
82	Preventing Eavesdropper by Artificial Noise in MIMO-OFDM Systems. Wireless Personal Communications, 2018, 99, 1103-1121.	1.8	1
83	Optimal Mode Selection Policies in Cognitive Radio Networks with RF Energy Harvesting. Wireless Personal Communications, 2018, 98, 3319-3334.	1.8	1
84	A Cooperative Jamming Based Secure Uplink Transmission Scheme for Heterogeneous Networks Supporting D2D Communications. Lecture Notes in Computer Science, 2018, , 103-114.	1.0	1
85	An Improved Off-grid Channel Estimation Scheme for Lens Antenna Arrays in mmWave Systems. Procedia Computer Science, 2020, 174, 555-560.	1.2	1
86	Hybrid Uplink-Downlink NOMA for Secure Coordinated Multi-Point Networks. , 2021, , .		1
87	A traceable threshold attribute-based signcryption for mHealthcare social network. International Journal of Sensor Networks, 2018, 26, 43.	0.2	1
88	A Friendly Jamming Handover Scheme for a Conscious Mobile Eavesdropper in IoT systems. Procedia Computer Science, 2022, 202, 15-20.	1.2	1
89	A Secure Downlink Transmission Scheme for a UAV-Assisted Edge Network. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.	0.8	1
90	Cross-layer secure transmission schemes for social internet of things: Overview, opportunities and challenges. Neurocomputing, 2022, 500, 703-711.	3.5	1

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91	Modeling of MPEG Video Sequence Based on Mixture-Exponential. , 0, , .		0
92	A Novel Modeling of MPEG-4 Video Sequence. , 2006, , .		0
93	Quantization adjusting algorithm using difference rate value. , 2008, , .		0
94	New frame-layer rate distortion model related to image temporal activity. , 2008, , .		0
95	Emergent information diffusion in RFID systems on roads. , 2013, , .		0
96	Multi-Round Auction for Bandwidth Assignment in Relay Transmission. IEEE Wireless Communications Letters, 2014, 3, 361-364.	3.2	0
97	HERS: High-efficient routing protocol based on social metrics in mobile social network. , 2015, , .		0
98	LSKA: Location Similarity Based Key Agreement Scheme for Smartphone Networks. , 2016, , .		0
99	Joint relay and jammer selection in Internet of Things systems. International Journal of Distributed Sensor Networks, 2017, 13, 155014771668776.	1.3	0
100	DRL: A Multi-factor Mobility Model in Mobile Social Networks. Wireless Personal Communications, 2017, 95, 1693-1711.	1.8	0
101	A Reputation framework with Multiple-threshold Energy Detection in Wireless Cooperative Systems. , 2020, , .		0
102	Auction Based Joint Resource Allocation with Flexible User Request in Cognitive Radio Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 43-53.	0.2	0
103	A Social Relationship Enabled Cooperative Jamming Scheme for Wireless Communications. Lecture Notes in Computer Science, 2020, , 97-108.	1.0	0
104	A Phase-Optimized Physical Layer Security Scheme Based on Deep Reinforcement Learning. Procedia Computer Science, 2022, 202, 67-72.	1.2	0