

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	A Learning-Aided Intermittent Cooperative Jamming Scheme for Nonslotted Wireless Transmission in an IoT System. IEEE Internet of Things Journal, 2022, 9, 9354-9366.	5.5	3
2	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
3	Joint Optimization of Communications and Federated Learning Over the Air. IEEE Transactions on Wireless Communications, 2022, 21, 4434-4449.	6.1	30
4	BEV-SGD: Best Effort Voting SGD Against Byzantine Attacks for Analog-Aggregation-Based Federated Learning Over the Air. IEEE Internet of Things Journal, 2022, 9, 18946-18959.	5.5	12
5	A Friendly Jamming Handover Scheme for a Conscious Mobile Eavesdropper in IoT systems. Procedia Computer Science, 2022, 202, 15-20.	1.2	1
6	A Phase-Optimized Physical Layer Security Scheme Based on Deep Reinforcement Learning. Procedia Computer Science, 2022, 202, 67-72.	1.2	0
7	A Secure Downlink Transmission Scheme for a UAV-Assisted Edge Network. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.	0.8	1
8	Cross-layer secure transmission schemes for social internet of things: Overview, opportunities and challenges. Neurocomputing, 2022, 500, 703-711.	3.5	1
9	Best Effort Voting Power Control for Byzantine-resilient Federated Learning Over the Air. , 2022, , .		3
10	Communication-efficient Federated Learning Through 1-Bit Compressive Sensing and Analog Aggregation. , 2021, , .		13
11	Hybrid Uplink-Downlink NOMA for Secure Coordinated Multi-Point Networks. , 2021, , .		1
12	A Survey of Cooperative Jamming-Based Secure Transmission for Energy-Limited Systems. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	0.8	6
13	An Improved Off-grid Channel Estimation Scheme for Lens Antenna Arrays in mmWave Systems. Procedia Computer Science, 2020, 174, 555-560.	1.2	1
14	Cooperative secure transmission against collusive eavesdroppers in Internet of Things. International Journal of Distributed Sensor Networks, 2020, 16, 155014772093346.	1.3	2
15	A Reputation framework with Multiple-threshold Energy Detection in Wireless Cooperative Systems. , 2020, , .		0
16	Blockchain Based Dynamic Spectrum Access of Non-Real-Time Data in Cyber-Physical-Social Systems. IEEE Access, 2020, 8, 64486-64498.	2.6	21
17	An overview of privacy preserving schemes for industrial Internet of Things. China Communications, 2020, 17, 1-18.	2.0	22
18	A Social Relationship Enabled Cooperative Jamming Scheme for Wireless Communications. Lecture Notes in Computer Science, 2020, , 97-108.	1.0	0

#	ARTICLE	IF	CITATIONS
19	Joint Optimization of Spectrum Sensing and Transmit Power in Energy Harvesting Cognitive Radio Sensor Networks. Computer Journal, 2019, 62, 215-230.	1.5	6
20	An Intermittent Cooperative Jamming Strategy for Securing Energy-Constrained Networks. IEEE Transactions on Communications, 2019, 67, 7715-7726.	4.9	12
21	A Scheme for Trustworthy Friendly Jammer Selection in Cooperative Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 3500-3512.	3.9	31
22	Secure Communications in Tiered 5G Wireless Networks With Cooperative Jamming. IEEE Transactions on Wireless Communications, 2019, 18, 3265-3280.	6.1	53
23	Security and Privacy for Smart Cyber-Physical Systems. Security and Communication Networks, 2019, 2019, 1-2.	1.0	2
24	Security Analysis of Cooperative Jamming in Internet of Things with Multiple Eavesdroppers. , 2019, , .		2
25	Preventing Eavesdropper by Artificial Noise in MIMO-OFDM Systems. Wireless Personal Communications, 2018, 99, 1103-1121.	1.8	1
26	Jamming Strategies for Physical Layer Security. IEEE Wireless Communications, 2018, 25, 148-153.	6.6	91
27	A Context-Aware Budget-Constrained Targeted Advertising System for Vehicular Networks. IEEE Access, 2018, 6, 8704-8713.	2.6	12
28	Optimal Mode Selection Policies in Cognitive Radio Networks with RF Energy Harvesting. Wireless Personal Communications, 2018, 98, 3319-3334.	1.8	1
29	A traceable threshold attribute-based signcryption for mHealthcare social network. International Journal of Sensor Networks, 2018, 26, 43.	0.2	9
30	A novel secure relay selection strategy for energy-harvesting-enabled Internet of things. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	1.5	10
31	Privacy Preserving Scheme for Location Based Services Using Cryptographic Approach. , 2018, , .		11
32	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
33	A Secure and Scalable Data Communication Scheme in Smart Grids. Wireless Communications and Mobile Computing, 2018, 2018, 1-17.	0.8	6
34	Secure transmission solutions in energy harvesting enabled cooperative cognitive radio networks. , 2018, , .		14
35	Secrecy Energy Efficiency Optimization for Cooperative Jamming in Cognitive Radio Networks. , 2018, , .		4
36	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

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37	SIC-Based Secrecy Performance in Uplink NOMA Multi-Eavesdropper Wiretap Channels. IEEE Access, 2018, 6, 19664-19680.	2.6	28
38	Re-ADP: Real-Time Data Aggregation with Adaptive $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1" \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \! \% \! \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{-Event Differential Privacy for Fog Computing. Wireless Communications and Mobile Computing, 2018, 2018, 1-13.$	0.8	25
39	The Secrecy Analysis over Physical Layer in NOMA-Enabled Cognitive Radio Networks. , 2018, , .		15
40	A traceable threshold attribute-based signcryption for mHealthcare social network. International Journal of Sensor Networks, 2018, 26, 43.	0.2	1
41	A coalition formation game based relay selection scheme for cooperative cognitive radio networks. Wireless Networks, 2017, 23, 2533-2544.	2.0	6
42	LoDPD: A Location Difference-Based Proximity Detection Protocol for Fog Computing. IEEE Internet of Things Journal, 2017, 4, 1117-1124.	5.5	34
43	Efficient privacy-preserving dot-product computation for mobile big data. IET Communications, 2017, 11, 704-712.	1.5	9
44	Joint design of jammer selection and beamforming for securing MIMO cooperative cognitive radio networks. IET Communications, 2017, 11, 1264-1274.	1.5	12
45	Joint relay and jammer selection in Internet of Things systems. International Journal of Distributed Sensor Networks, 2017, 13, 155014771668776.	1.3	0
46	ZF-SIC Based Individual Secrecy in SIMO Multiple Access Wiretap Channel. IEEE Access, 2017, 5, 7244-7253.	2.6	11
47	DRL: A Multi-factor Mobility Model in Mobile Social Networks. Wireless Personal Communications, 2017, 95, 1693-1711.	1.8	0
48	Throughput Optimization for Energy Harvesting Cognitive Radio Networks with Save-Then-Transmit Protocol. Computer Journal, 2017, 60, 911-924.	1.5	8
49	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
50	A Novel Cooperative Jamming Scheme for Wireless Social Networks Without Known CSI. IEEE Access, 2017, 5, 26476-26486.	2.6	19
51	Throughput maximization for energy harvesting cognitive radio networks with finite horizon. , 2017, , .		2
52	Analysis of secrecy performance in fading multiple access wiretap channel with SIC receiver. , 2017, , .		15
53	Coalition Game-Based Secure and Effective Clustering Communication in Vehicular Cyber-Physical System (VCPS). Sensors, 2017, 17, 475.	2.1	12
54	A Location Prediction-Based Helper Selection Scheme for Suspicious Eavesdroppers. Wireless Communications and Mobile Computing, 2017, 2017, 1-11.	0.8	2

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55	Outage Probability Minimization for Energy Harvesting Cognitive Radio Sensor Networks. <i>Sensors</i> , 2017, 17, 224.	2.1	11
56	Individual secrecy of fading homogeneous multiple access wiretap channel with successive interference cancellation. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2017, 2017, .	1.5	1
57	An Attribute-Based Secure and Scalable Scheme for Data Communications in Smart Grids. <i>Lecture Notes in Computer Science</i> , 2017, , 469-482.	1.0	5
58	Space Power Synthesis-Based Cooperative Jamming for Unknown Channel State Information. <i>Lecture Notes in Computer Science</i> , 2017, , 483-495.	1.0	6
59	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
60	Efficient evaluation of member cardinality in cluster-based vehicular cyber-physical systems. <i>International Journal of Distributed Sensor Networks</i> , 2016, 12, 155014771666425.	1.3	1
61	Worst-Case Cooperative Jamming for Secure Communications in CloT Networks. <i>Sensors</i> , 2016, 16, 339.	2.1	23
62	Energy-efficient data dissemination strategy for roadside infrastructure in VCPS. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016, 2016, .	1.5	3
63	Optimal Stopping Theory Based Jammer Selection for Securing Cooperative Cognitive Radio Networks. , 2016, , .		11
64	An enhanced low overhead and stable clustering scheme for crossroads in VANETs. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016, 2016, .	1.5	22
65	Predictive Contention Window-Based Broadcast Collision Mitigation Strategy for VANET. , 2016, , .		6
66	A Fuzzy Adaptive Data Fusion Strategy for Intelligent Vehicle Systems. , 2016, , .		1
67	Coalition Game-Based Clustering Strategy for Crossroads in VANETs. , 2016, , .		3
68	Home-Based Multi-Copy Routing in Mobile Social Networks. , 2016, , .		5
69	LSKA: Location Similarity Based Key Agreement Scheme for Smartphone Networks. , 2016, , .		0
70	Secure and Efficient Data Communication Protocol for Wireless Body Area Networks. <i>IEEE Transactions on Multi-Scale Computing Systems</i> , 2016, 2, 94-107.	2.5	111
71	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
72	HERS: High-efficient routing protocol based on social metrics in mobile social network. , 2015, , .		0

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73	Efficient Change Verification of Member Cardinality in Cluster-Based VCPS. , 2015, , .		1
74	Worst-Case Jamming for Secure Communications in Multi-antenna Cooperative Cognitive Radio Networks with Energy Harvesting. , 2015, , .		6
75	Double Auction for Joint Channel and Power Allocation in Cognitive Radio Networks. Computer Journal, 2015, 58, 3295-3305.	1.5	5
76	A next-hop selection scheme providing long path lifetime in VANETs. , 2015, , .		8
77	Combinatorial auction based spectrum allocation under heterogeneous supply and demand. Computer Communications, 2015, 60, 109-118.	3.1	8
78	Cooperative Relay Selection in Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 1872-1881.	3.9	44
79	Iterative Auction Based Bandwidth Assignment in CRNs with QoS Provisioning. Wireless Personal Communications, 2015, 80, 1703-1715.	1.8	1
80	Achievable transmission capacity of cognitive radio networks with cooperative relaying. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	1.5	4
81	Simultaneous energy and information cooperation in MIMO cooperative cognitive radio systems. , 2015, , .		1
82	Cooperative jamming for secure communications in MIMO Cooperative Cognitive Radio Networks. , 2015, , .		33
83	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
84	Secured access control for vehicles in RFID systems on roads. Personal and Ubiquitous Computing, 2014, 18, 1893-1900.	1.9	1
85	Vehicle road distance measurement and maintenance in RFID systems on roads. , 2014, , .		2
86	SoRoute: a reliable and effective social-based routing in cognitive radio ad hoc networks. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	1.5	5
87	Optimal Spectrum Sensing Interval in Cognitive Radio Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2408-2417.	4.0	44
88	Cooperative Spectrum Prediction in Multi-PU Multi-SU Cognitive Radio Networks. Mobile Networks and Applications, 2014, 19, 502-511.	2.2	21
89	Routing in user-centric networks. , 2014, 52, 44-51.		4
90	Multi-Round Auction for Bandwidth Assignment in Relay Transmission. IEEE Wireless Communications Letters, 2014, 3, 361-364.	3.2	0

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91	Spectrum prediction in cognitive radio networks. IEEE Wireless Communications, 2013, 20, 90-96.	6.6	233
92	Cooperative relay selection in cognitive radio networks. , 2013, , .		15
93	Emergent information diffusion in RFID systems on roads. , 2013, , .		0
94	Cooperative spectrum prediction in multi-PU multi-SU cognitive radio networks. , 2013, , .		6
95	Speeding detection in RFID Systems on Roads. , 2013, , .		3
96	Channel quality prediction based on Bayesian inference in cognitive radio networks. , 2013, , .		81
97	Combinatorial auction based channel allocation in cognitive radio networks. , 2013, , .		5
98	A multi-unit truthful double auction framework for secondary market. , 2013, , .		25
99	Achievable transmission capacity of cognitive mesh networks with different media access control. , 2012, , .		26
100	Quantization adjusting algorithm using difference rate value. , 2008, , .		0
101	New frame-layer rate distortion model related to image temporal activity. , 2008, , .		0
102	Voice/Data Call Admission Control Algorithm Based on Call Buffer in Wireless Networks. , 2007, , .		1
103	A Novel Modeling of MPEG-4 Video Sequence. , 2006, , .		0
104	Modeling of MPEG Video Sequence Based on Mixture-Exponential. , 0, , .		0