Zunwen He

List of Publications by Year
in descending order

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28 papers	584 citations	687363 13 h-index	940533 16 g-index
28 all docs	28 docs citations	28 times ranked	549 citing authors

#	Article	IF	Citations
1	Path Loss Prediction Based on Machine Learning: Principle, Method, and Data Expansion. Applied Sciences (Switzerland), 2019, 9, 1908.	2.5	98
2	Machineâ€learningâ€based prediction methods for path loss and delay spread in airâ€toâ€ground millimetreâ€wave channels. IET Microwaves, Antennas and Propagation, 2019, 13, 1113-1121.	1.4	56
3	Air-to-Air Path Loss Prediction Based on Machine Learning Methods in Urban Environments. Wireless Communications and Mobile Computing, 2018, 2018, 1-9.	1.2	55
4	Secret Key Generation for Intelligent Reflecting Surface Assisted Wireless Communication Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 1030-1034.	6.3	53
5	Path Loss Prediction Based on Machine Learning Methods for Aircraft Cabin Environments. IEEE Access, 2019, 7, 159251-159261.	4.2	48
6	The Role of Large-Scale Fading in Uplink Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 477-483.	6.3	40
7	Deep Hierarchical Network for Automatic Modulation Classification. IEEE Access, 2019, 7, 94604-94613.	4.2	34
8	A Novel Attention Cooperative Framework for Automatic Modulation Recognition. IEEE Access, 2020, 8, 15673-15686.	4.2	34
9	Random Shifting Intelligent Reflecting Surface for OTP Encrypted Data Transmission. IEEE Wireless Communications Letters, 2021, 10, 1192-1196.	5.0	31
10	Measurement-Based Delay and Doppler Characterizations for High-Speed Railway Hilly Scenario. International Journal of Antennas and Propagation, 2014, 2014, 1-8.	1.2	28
11	A Multi-Agent Collaborative Environment Learning Method for UAV Deployment and Resource Allocation. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 120-130.	2.8	18
12	A Wireless Fingerprint Location Method Based on Target Tracking. , 2018, , .		15
13	Pilot Decontamination Based on Superimposed Pilots Assisted by Time-Multiplexed Pilots in Massive MIMO Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 405-417.	6.3	15
14	A Two-Step Environment-Learning-Based Method for Optimal UAV Deployment. IEEE Access, 2019, 7, 149328-149340.	4.2	14
15	Wireless Secret Key Generation for Distributed Antenna Systems: A Joint Space-Time-Frequency Perspective. IEEE Internet of Things Journal, 2022, 9, 633-647.	8.7	12
16	Vulnerabilities of Physical Layer Secret Key Generation Against Environment Reconstruction Based Attacks. IEEE Wireless Communications Letters, 2020, 9, 693-697.	5.0	9
17	Secret Key Generation Based on 3D Spatial Angles for UAV Communications. , 2021, , .		6
18	A Three-Dimensional Geometry-based Stochastic Model for Air-to-Air UAV Channels. , 2020, , .		5

#	Article	IF	Citations
19	Measurement and characterization on a human body communication channel. , 2016, , .		4
20	A dynamic pilot interval adjustment scheme for HBC channel estimation. , 2016, , .		2
21	Physical-Layer-Based Secure Communications for Static and Low-Latency Industrial Internet of Things. IEEE Internet of Things Journal, 2022, 9, 18392-18405.	8.7	2
22	A frequency-selecting multichannel equalization method for speech dereverberation. , 2015, , .		1
23	Pilot Decontamination Based on Superimposed Pilots in Massive MIMO Systems. , 2018, , .		1
24	Measurement-Based Massive MIMO Antenna Selection in Indoor Office Scenario at 3.52 GHz. , 2018, , .		1
25	A two-step decorrelation method on time-frequency correlated channel for secret key generation. , 2018, , .		1
26	Placement of Access Points for Indoor Positioning based on DDPG. , 2020, , .		1
27	QoS-based anti-jamming algorithm design for distributed wireless networks. , 2013, , .		0
28	ROLIG3A: Protecting Group Secret Key Generation Procedures against Malicious Attackers. , 2021, , .		0