Outdoor Long-Range WLANs: A Lesson for IEEE 802.11a

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Citation Report

#	Article	IF	CITATIONS
1	Emerging Wireless Technologies in the Internet of Things: A Comparative Study. International Journal of Wireless and Mobile Networks, 2016, 8, 67-82.	0.1	81
2	IEEE 802.11ah: A Technology to Face the IoT Challenge. Sensors, 2016, 16, 1960.	2.1	76
3	802.11ah - LPWA interworking. , 2016, , .		8
4	A framework for traffic management in IoT networks. , 2016, , .		3
5	Parallel Sequence Spread Spectrum: Analytical and simulative approach for determination of bit error probability. , 2016 , , .		13
6	A reconfigurable $1/2/3$ -order Butterworth LP/CBP filter with noise canceller for sub-GHz applications. , 2016, , .		O
7	Next generation IEEE 802.11 Wireless Local Area Networks: Current status, future directions and open challenges. Computer Communications, 2016, 75, 1-25.	3.1	82
8	Synchrophasor Sensor Networks for Grid Communication and Protection. Proceedings of the IEEE, 2017, 105, 1408-1428.	16.4	16
9	Range Extension in IEEE 802.11ah Systems Through Relaying. Wireless Personal Communications, 2017, 97, 1889-1910.	1.8	24
10	Medium Access Control, Resource Management, and Congestion Control for M2M Systems. , 0, , 402-422.		O
11	A Survey of Enabling Technologies of Low Power and Long Range Machine-to-Machine Communications. IEEE Communications Surveys and Tutorials, 2017, 19, 2621-2639.	24.8	163
12	Packet error rate in IEEE 802.11ah use case scenarios. , 2017, , .		2
13	Characterization of WiFi signal range for agricultural WSNs., 2017,,.		10
14	Wi-Fi Signal Coverage Distance Estimation in Collapsed Structures. , 2017, , .		12
15	Wi-Fi Radar Placement for Coverage in Collapsed Structures. , 2018, , .		1
16	A Wireless Based Ocean Observation Buoy System and Legal Status of Underwater Radio Wave Communication in Japan. , 2018, , .		O
17	LTE/Wi-Fi/mmWave RAN-Level Interworking Using 2C/U Plane Splitting for Future 5G Networks. IEEE Access, 2018, 6, 53473-53488.	2.6	27
18	Improving Port Operations through the Application of Robotics and Automation within the Framework of Shipping 4.0. , 2018 , , .		8

#	Article	IF	Citations
19	Performance and Throughput Analysis of IEEE 802.11ah for Multiband Multimode Operation., 2018,,.		4
20	Utilization and Balance in Channel Assignment for Rural Wireless Mesh Networks. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2018, 22, 800-808.	0.5	0
21	Wi-Fi Halow Signal Coverage Estimation in Collapsed Structures. , 2018, , .		5
22	Towards Wi-Fi Radar in Collapsed Structures. , 2018, , .		6
23	Performance and Power Consumption Analysis of IEEE802.11ah for Smart Grid. Wireless Communications and Mobile Computing, 2018, 2018, 1-8.	0.8	6
24	Receiver for IEEE 802.11ah in Interference Limited Environments. IEEE Internet of Things Journal, 2018, 5, 4109-4118.	5. 5	11
25	Convex Optimization Based Relay Node Placement for Wi-Fi Mesh Networks. , 2018, , .		0
26	Restricted Access Window Based Hidden Node Problem Mitigating Algorithm in IEEE 802.11ah Networks. IEICE Transactions on Communications, 2018, E101.B, 2162-2171.	0.4	5
27	Uplink Multiple Access Based on MIMO-OFDM with Adaptive Super-Orthogonal Convolutional Codes for Ultra Reliable and Low Latency Communications. , $2018, \ldots$		0
28	Energy-Efficient Sensor Grouping for IEEE 802.11ah Networks With Max-Min Fairness Guarantees. IEEE Access, 2019, 7, 102284-102294.	2.6	24
29	Wi-Fi frequency selection concept for effective coverage in collapsed structures. Future Generation Computer Systems, 2019, 97, 409-424.	4.9	13
30	A survey on low-power wide area networks for IoT applications. Telecommunication Systems, 2019, 71, 249-274.	1.6	64
31	Deploying a Reliable UAV-Aided Communication Service in Disaster Areas. Wireless Communications and Mobile Computing, 2019, 2019, 1-20.	0.8	30
32	AIDâ€based backoff for throughput enhancement in 802.11ah networks. International Journal of Communication Systems, 2019, 32, e3923.	1.6	11
33	Towards Debris Information Analysis and Abstraction for Wi-Fi Radar Edge in Collapsed Structures. IEEE Access, 2019, 7, 168075-168090.	2.6	2
34	Cooperation Control Between Wireless and Base Stations in Wireless Access Network Consisting of Wireless Networks with Different Coverages. , 2019, , .		1
35	IEEE 802.11ah SDR Implementation and Range Evaluation. , 2019, , .		4
36	A Machine Learning Model to Resource Allocation Service for Access Point on Wireless Network. , 2019, , .		7

#	Article	IF	CITATIONS
38	Design and Review of Water Management System Using Ethernet, Wi-Fi 802.11n, Modbus, and Other Communication Standards. Wireless Personal Communications, 2019, 106, 1677-1699.	1.8	5
39	Toward Wi-Fi Halow Signal Coverage Modeling in Collapsed Structures. IEEE Internet of Things Journal, 2020, 7, 2181-2196.	5.5	5
40	Extreme power saving directional MAC protocol in IEEE 802.11ah networks. IET Networks, 2020, 9, 180-188.	1.1	5
41	Pseudorandom sequence contention algorithm for IEEE 802.11ah based internet of things network. PLoS ONE, 2020, 15, e0237386.	1.1	4
42	Energy-Efficient UAVs Deployment for QoS-Guaranteed VoWiFi Service. Sensors, 2020, 20, 4455.	2.1	10
43	MAC-layer rate control for 802.11 networks: a survey. Wireless Networks, 2020, 26, 3793-3830.	2.0	10
44	Implementation and analysis of MultiCode MultiCarrier Code Division Multiple Access (MC–MC CDMA) in IEEE 802.11ah for UAV Swarm communication. Physical Communication, 2020, 42, 101159.	1.2	9
45	Guidelines and criteria for selecting the optimal low-power wide-area network technology. , 2020, , 281-305.		4
46	Modeling and simulation of the IEEE 802.11e wireless protocol with hidden nodes using Colored Petri Nets. Software and Systems Modeling, 2021, 20, 505-538.	2.2	8
47	IEEE 802.11ah for Internet of Vehicles: Design Issues and Challenges. Unmanned System Technologies, 2021, , 41-61.	0.9	4
48	Internet of Vehicles and its Applications in Autonomous Driving. Unmanned System Technologies, 2021,	0.9	7
49	MAC Protocols for IEEE 802.11ah-Based Internet of Things: A Survey. IEEE Internet of Things Journal, 2022, 9, 916-938.	5.5	17
50	A Sub-1-GHz Band High-Dynamic-Range Receiver With Integrated Self-Adaptive Multipart AGC Loops. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3146-3157.	2.9	2
51	Wireless Connectivity in Airplanes: Challenges and the Case for UWB. IEEE Access, 2021, 9, 52913-52925.	2.6	9
52	Analysis and Design of a Wireless Sensor Network Based on the Residual Energy of the Nodes and the Harvested Energy from Mint Plants. Journal of Sensors, 2021, 2021, 1-26.	0.6	1
53	Improving Aggregate Utility and Service Differentiation of IEEE 802.11ah Restricted Access Window Mechanism Using ANFIS. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2021, 45, 1165-1177.	1.5	4
54	SDN-Based Link Recovery Scheme for Large-Scale Internet of Things. , 2021, , .		1
55	Programmable IEEE 802.11ah Network for Internet of Things. , 2021, , .		1

#	Article	IF	Citations
56	WiFi HaLow for Long-Range and Low-Power Internet of Things: System on Chip Development and Performance Evaluation. IEEE Communications Magazine, 2021, 59, 101-107.	4.9	18
57	QoS Provisioning in Wireless Mesh Networks: A Survey. Wireless Personal Communications, 2022, 122, 157-195.	1.8	11
58	Scalable internet of things network design using multi-hop IEEE 802.11ah. Telecommunication Systems, 2021, 78, 577-588.	1.6	1
59	Restricted Access Window-Based Resource Allocation Scheme for Performance Enhancement of IEEE 802.11ah Multi-Rate IoT Networks. IEEE Access, 2021, 9, 136507-136519.	2.6	10
61	LoRa Network Planning Based on Improved ISODATA Algorithm. , 2020, , .		3
62	Channel Measurement and Modeling for Path Loss Prediction in Vegetated Environment for IEEE 802.11ah Network. , 2020, , .		1
63	A Collision-Protected Multihop Frame Transmission Method with Wireless LAN Communication Supported by Longer-Distance Wireless Communication. , 2020, , .		0
64	Analysis of Co-Channel Interference in Connected Vehicles WLAN with UAV. Wireless Communications and Mobile Computing, 2022, 2022, 1-12.	0.8	2
65	A Survey on Rural Internet Connectivity in India. , 2022, , .		12
66	QoS-Aware Multilayer UAV Deployment to Provide VoWiFi Service over 5G Networks. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	0.8	5
67	Deployment of UAV-mounted Access Points for VoWiFi Service with guaranteed QoS. Computer Communications, 2022, 193, 94-108.	3.1	2
68	An adaptive centralized authentication control method to reduce association delay in the IoT 802.11ah protocol. Journal of Supercomputing, 0, , .	2.4	0
69	Resource Management for Massive Internet of Things in IEEE 802.11ah WLAN: Potentials, Current Solutions, and Open Challenges. Sensors, 2022, 22, 9509.	2.1	4