

Dimitrios Zorbas

List of Publications by Year in descending order

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papers

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388
citing authors

#	ARTICLE	IF	CITATIONS
1	TS-LoRa: Time-slotted LoRaWAN for the Industrial Internet of Things. Computer Communications, 2020, 153, 1-10.	5.1	109
2	\$FREE\$ â€”Fine-Grained Scheduling for Reliable and Energy-Efficient Data Collection in LoRaWAN. IEEE Internet of Things Journal, 2020, 7, 669-683.	8.7	69
3	Improving LoRa Network Capacity Using Multiple Spreading Factor Configurations. , 2018, , .		49
4	Performance Determinants in LoRa Networks: A Literature Review. IEEE Communications Surveys and Tutorials, 2021, 23, 1721-1758.	39.4	46
5	A Comprehensive Survey on RF Energy Harvesting: Applications and Performance Determinants. Sensors, 2022, 22, 2990.	3.8	25
6	Offline Scheduling Algorithms for Time-Slotted LoRa-based Bulk Data Transmission. , 2019, , .		23
7	Collision-Free Advertisement Scheduling for IEEE 802.15.4-TSCH Networks. Sensors, 2019, 19, 1789.	3.8	19
8	Optimal Data Collection Time in LoRa Networksâ€”A Time-Slotted Approach. Sensors, 2021, 21, 1193.	3.8	19
9	LOST: Localized blacklisting aware scheduling algorithm for IEEE 802.15.4-TSCH networks. , 2018, , .		17
10	Autonomous Collision-Free Scheduling for LoRa-Based Industrial Internet of Things. , 2019, , .		15
11	Time-Slotted LoRa Networks: Design Considerations, Implementations, and Perspectives. IEEE Internet of Things Magazine, 2021, 4, 84-89.	2.6	15
12	Local or Global Radio Channel Blacklisting for IEEE 802.15.4-TSCH Networks?. , 2018, , .		13
13	Collision-Free Sensor Data Collection using LoRaWAN and Drones. , 2018, , .		12
14	Assessing the Cost of RF-Power Harvesting Nodes in Wireless Sensor Networks. , 2016, , .		11
15	The charger positioning problem in clustered RF-power harvesting wireless sensor networks. Ad Hoc Networks, 2018, 78, 42-53.	5.5	11
16	Fast and Reliable LoRa-based Data Transmissions. , 2019, , .		9
17	Time-slotted LoRa MAC with variable payload support. Computer Communications, 2022, 193, 146-154.	5.1	8
18	Spread and shrink: Point of interest discovery and coverage with mobile wireless sensors. Journal of Parallel and Distributed Computing, 2017, 102, 16-27.	4.1	7

#	ARTICLE	IF	CITATIONS
19	Optimal Initial Synchronization Time in the Minimal 6TiSCH Configuration. IEEE Access, 2021, 9, 69316-69334.	4.2	4
20	A Museum Artefact Monitoring Testbed using LoRaWAN. , 2021, , .		4
21	Optimal routing approaches for IEEE 802.15.4 TSCH networks. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3538.	3.9	3
22	Improving Delay and Capacity of TS-LoRa with Flexible Guard Times. , 2020, , .		2
23	Modeling and Solving the Packet Routing Problem in Industrial IoT Networks. AIRO Springer Series, 2018, , 237-246.	0.6	1
24	A Testbed for Time-Slotted LoRa Communications. , 2020, , .		1