

Mikel Celaya-Echarri

List of Publications by Year in descending order

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363
citing authors

#	ARTICLE	IF	CITATIONS
1	Deterministic Wireless Channel Characterization towards the Integration of Communication Capabilities to Enable Context Aware Industrial Internet of Thing Environments. <i>Mobile Networks and Applications</i> , 2023, 28, 4-18.	3.3	2
2	Tuning Selection Impact on Kriging-Aided In-Building Path Loss Modeling. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2022, 21, 84-88.	4.0	5
3	Electromagnetic Characterization of UHF-RFID Fixed Reader in Healthcare Centers Related to the Personal and Labor Health. <i>IEEE Access</i> , 2022, 10, 28614-28630.	4.2	4
4	Spatial V2X Traffic Density Channel Characterization for Urban Environments. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 2761-2774.	8.0	11
5	Basketball Player On-Body Biophysical and Environmental Parameter Monitoring Based on Wireless Sensor Network Integration. <i>IEEE Access</i> , 2021, 9, 27051-27066.	4.2	5
6	Empirical and Modeling Approach for Environmental Indoor RF-EMF Assessment in Complex High-Node Density Scenarios: Public Shopping Malls Case Study. <i>IEEE Access</i> , 2021, 9, 46755-46775.	4.2	9
7	Propagation Models in Vehicular Communications. <i>IEEE Access</i> , 2021, 9, 15902-15913.	4.2	5
8	Deterministic and Empirical Approach for Millimeter-Wave Complex Outdoor Smart Parking Solution Deployments. <i>Sensors</i> , 2021, 21, 4112.	3.8	9
9	Towards Environmental RF-EMF Assessment of mmWave High-Node Density Complex Heterogeneous Environments. <i>Sensors</i> , 2021, 21, 8419.	3.8	3
10	Deterministic 3D Ray-Launching Millimeter Wave Channel Characterization for Vehicular Communications in Urban Environments. <i>Sensors</i> , 2020, 20, 5284.	3.8	10
11	Radio Wave Propagation and WSN Deployment in Complex Utility Tunnel Environments. <i>Sensors</i> , 2020, 20, 6710.	3.8	15
12	Design, Implementation, and Empirical Validation of an IoT Smart Irrigation System for Fog Computing Applications Based on LoRa and LoRaWAN Sensor Nodes. <i>Sensors</i> , 2020, 20, 6865.	3.8	46
13	Wireless Channel Characterization and System Analysis of Complex Utility Tunnel Environments. <i>Proceedings (mdpi)</i> , 2020, 42, 53.	0.2	0
14	Millimeter Wave Spatial Channel Characterization for Vehicular Communications. <i>Proceedings (mdpi)</i> , 2020, 42, 64.	0.2	3
15	Fifth-Generation (5G) mmWave Spatial Channel Characterization for Urban Environmentsâ€™ System Analysis. <i>Sensors</i> , 2020, 20, 5360.	3.8	19
16	From 2G to 5G Spatial Modeling of Personal RF-EMF Exposure Within Urban Public Trams. <i>IEEE Access</i> , 2020, 8, 100930-100947.	4.2	22
17	Design and Empirical Validation of a Bluetooth 5 Fog Computing Based Industrial CPS Architecture for Intelligent Industry 4.0 Shipyard Workshops. <i>IEEE Access</i> , 2020, 8, 45496-45511.	4.2	23
18	Validation of 3D simulation tool for radio channel modeling at 60GHz: A meeting point for empirical and simulation-based models. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 163, 108038.	5.0	5

#	ARTICLE	IF	CITATIONS
19	Building Decentralized Fog Computing-Based Smart Parking Systems: From Deterministic Propagation Modeling to Practical Deployment. IEEE Access, 2020, 8, 117666-117688.	4.2	15
20	Design and Empirical Validation of a LoRaWAN IoT Smart Irrigation System. Proceedings (mdpi), 2020, 42, .	0.2	21
21	Deterministic Radio Channel Characterization for Near-Ground Wireless Sensor Networks Deployment Optimization in Smart Agriculture. , 2020, , .		2
22	Deterministic Propagation Approach for Millimeter Wave Outdoor Smart Parking Solution Deployment. , 2020, 2, .		0
23	Design and Experimental Validation of a LoRaWAN Fog Computing Based Architecture for IoT Enabled Smart Campus Applications. Sensors, 2019, 19, 3287.	3.8	51
24	Performance Evaluation and Interference Characterization of Wireless Sensor Networks for Complex High-Node Density Scenarios. Sensors, 2019, 19, 3516.	3.8	7
25	A Radio Channel Model for D2D Communications Blocked by Single Trees in Forest Environments. Sensors, 2019, 19, 4606.	3.8	16
26	RF Channel Propagation Modeling for Wireless Sensor Networks in Intelligent Transportation Systems. , 2019, , .		0
27	Analysis, Design and Empirical Validation of a Smart Campus Based on LoRaWAN. Proceedings (mdpi), 2019, 4, 7.	0.2	2
28	Spatial Characterization of Personal RF-EMF Exposure in Public Transportation Buses. IEEE Access, 2019, 7, 33038-33054.	4.2	22
29	Intra-Train Connectivity Analysis to Enable Context Aware Passenger Environments. , 2019, , .		0
30	Context Aware Intensive Care Unit Wireless System Analysis. , 2019, , .		0
31	Integration of Autonomous Wireless Sensor Networks in Academic School Gardens. Sensors, 2018, 18, 3621.	3.8	8
32	Deterministic Propagation Modeling for Intelligent Vehicle Communication in Smart Cities. Sensors, 2018, 18, 2133.	3.8	10
33	Performance Evaluation and Interference Characterization of Wireless Sensor Networks for Complex High-Node Density Scenarios. Proceedings (mdpi), 2018, 4, .	0.2	0
34	Radio Channel Characterization in Dense Forest Environments for IoT-5G. Proceedings (mdpi), 2018, 4, .	0.2	2
35	Analysis, Design and Practical Validation of an Augmented Reality Teaching System Based on Microsoft HoloLens 2 and Edge Computing. , 0, , .		7