

Jorge Peñ±a Queralta

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

690
citations

1162889

8
h-index

1474057

9
g-index

25
all docs

25
docs citations

25
times ranked

593
citing authors

#	ARTICLE	IF	CITATIONS
1	Collaborative Multi-Robot Search and Rescue: Planning, Coordination, Perception, and Active Vision. IEEE Access, 2020, 8, 191617-191643.	2.6	167
2	Edge-AI in LoRa-based Health Monitoring: Fall Detection System with Fog Computing and LSTM Recurrent Neural Networks. , 2019, , .		70
3	MSS U-Net: 3D segmentation of kidneys and tumors from CT images with a multi-scale supervised U-Net. Informatics in Medicine Unlocked, 2020, 19, 100357.	1.9	60
4	Comparative Study of LPWAN Technologies on Unlicensed Bands for M2M Communication in the IoT: beyond LoRa and LoRaWAN. Procedia Computer Science, 2019, 155, 343-350.	1.2	52
5	Multi-Sensor Fusion for Navigation and Mapping in Autonomous Vehicles: Accurate Localization in Urban Environments. Unmanned Systems, 2020, 08, 229-237.	2.7	43
6	A Survey on LoRa for IoT: Integrating Edge Computing. , 2019, , .		42
7	Edge Computing to Secure IoT Data Ownership and Trade with the Ethereum Blockchain. Sensors, 2020, 20, 3965.	2.1	37
8	Localization in Unstructured Environments: Towards Autonomous Robots in Forests with Delaunay Triangulation. Remote Sensing, 2020, 12, 1870.	1.8	27
9	Enhancing Autonomy with Blockchain and Multi-Access Edge Computing in Distributed Robotic Systems. , 2020, , .		26
10	Edge AI and Blockchain for Privacy-Critical and Data-Sensitive Applications. , 2019, , .		21
11	Federated Learning in Robotic and Autonomous Systems. Procedia Computer Science, 2021, 191, 135-142.	1.2	21
12	Blockchain for Mobile Edge Computing: Consensus Mechanisms and Scalability. , 2021, , 333-357.		18
13	FPGA-based Architecture for a Low-Cost 3D Lidar Design and Implementation from Multiple Rotating 2D Lidars with ROS. , 2019, , .		17
14	Edge Computing for Mobile Robots: Multi-Robot Feature-Based Lidar Odometry with FPGAs. , 2019, , .		16
15	Distributed Progressive Formation Control for Multi-Agent Systems: 2D and 3D deployment of UAVs in ROS/Gazebo with RotorS. , 2019, , .		15
16	Communication-free and Index-free Distributed Formation Control Algorithm for Multi-robot Systems. Procedia Computer Science, 2019, 151, 431-438.	1.2	13
17	Lossless Compression Techniques in Edge Computing for Mission-Critical Applications in the IoT. , 2019, , .		13
18	Collaborative Mapping with IoE-based Heterogeneous Vehicles for Enhanced Situational Awareness. , 2019, , .		11

#	ARTICLE	IF	CITATIONS
19	Cooperative UWB-Based Localization for Outdoors Positioning and Navigation of UAVs aided by Ground Robots. , 2021, , .		8
20	Adaptive Lidar Scan Frame Integration: Tracking Known MAVs in 3D Point Clouds. , 2021, , .		7
21	Distributed Progressive Formation Control with One-Way Communication for Multi-Agent Systems. , 2019, , .		2
22	Offloading Monocular Visual Odometry with Edge Computing. , 2019, , .		2
23	Artificial Intelligence at the Edge in the Blockchain of Things. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 267-280.	0.2	2
24	Detecting Water Reflection Symmetries in Point Clouds for Camera Position Calibration in Unmanned Surface Vehicles. , 2019, , .		0