

Syed Muhammad Mamduh Syed Zakari

List of Publications by Year in descending order

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38
docs citations

38
times ranked

258
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Neural Network for Localizing Gas Source Based on Gas Distribution Map. Lecture Notes in Electrical Engineering, 2022, , 1105-1115.	0.4	2
2	Correction Model for Metal Oxide Sensor Drift Caused by Ambient Temperature and Humidity. Sensors, 2022, 22, 3301.	3.8	12
3	Rice grain moisture sensing based on UHF RFID tag. AIP Conference Proceedings, 2022, , .	0.4	0
4	RF-Based Moisture Content Determination in Rice Using Machine Learning Techniques. Sensors, 2021, 21, 1875.	3.8	24
5	Real-Time In-Vehicle Air Quality Monitoring System Using Machine Learning Prediction Algorithm. Sensors, 2021, 21, 4956.	3.8	19
6	Relative Localization Method of Wet Spot of Grain using Array of Passive RFID Tags. Journal of Physics: Conference Series, 2021, 2107, 012004.	0.4	0
7	Effect of Environmental Temperature and Humidity on Different Metal Oxide Gas Sensors at Various Gas Concentration Levels. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012152.	0.6	16
8	Improved mobile robot based gas distribution mapping through propagated distance transform for structured indoor environment. Advanced Robotics, 2020, 34, 637-647.	1.8	3
9	2.4GHz RF based Active RFID Localization in Industrial Environment. , 2019, , .		4
10	Design and Development of Multi-Transceiver Lorafi Board consisting LoRa and ESP8266-Wifi Communication Module. IOP Conference Series: Materials Science and Engineering, 2018, 318, 012051.	0.6	11
11	Gas Source Localization via Behaviour Based Mobile Robot and Weighted Arithmetic Mean. IOP Conference Series: Materials Science and Engineering, 2018, 318, 012049.	0.6	3
12	Human 3D Reconstruction and Identification Using Kinect Sensor. , 2018, , .		1
13	Mobile Robot Based Simultaneous Localization and Mapping in UniMAP's Unknown Environment. , 2018, , .		3
14	Integrating SLAM and gas distribution mapping (SLAM-GDM) for real-time gas source localization. Advanced Robotics, 2018, 32, 903-917.	1.8	24
15	Automatic Vehicle License Plate Recognition System Based on Image Processing and Template Matching Approach. , 2018, , .		22
16	Cross-sensitivity of metal oxide gas sensor to ambient temperature and humidity: Effects on gas distribution mapping. AIP Conference Proceedings, 2017, , .	0.4	9
17	Calibration of an electronic nose for poultry farm. AIP Conference Proceedings, 2017, , .	0.4	1
18	Gas dispersion with induced airflow in mobile olfaction testbed. AIP Conference Proceedings, 2017, , .	0.4	2

#	ARTICLE	IF	CITATIONS
19	RSSI-based Device Free Localization for Elderly Care Application. , 2017, , .		6
20	Analysis of RSSI-based DFL for human detection in indoor environment using IRIS mote. , 2016, , .		16
21	Development of atmospheric plasma gas discharge in liquid. , 2015, , .		0
22	Development of a Scalable Testbed for Mobile Olfaction Verification. Sensors, 2015, 15, 30894-30912.	3.8	6
23	FEASIBILITY ANALYSIS OF 2D-SLAM USING COMBINATION OF KINECT AND LASER SCANNER. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	1
24	Mobile robot localization system using multiple ceiling mounted cameras. , 2015, , .		8
25	Implementation of Behaviour Based Robot with Sense of Smell and Sight. Procedia Computer Science, 2015, 76, 119-125.	2.0	21
26	Flexible and Autonomous Integrated System for Characterizing Metal Oxide Gas Sensor Response in Dynamic Environment. Instrumentation Science and Technology, 2015, 43, 74-88.	1.8	8
27	Performance Analysis of the Microsoft Kinect Sensor for 2D Simultaneous Localization and Mapping (SLAM) Techniques. Sensors, 2014, 14, 23365-23387.	3.8	34
28	Multi channel ultrasonic sensing system for wall features extraction. , 2014, , .		1
29	Modelling indoor propagation for WSN deployment in smart building. , 2014, , .		10
30	Plant bio-absorber for ammonia gas absorption using I2C interface data acquisition system. , 2014, , .		2
31	A real-time greenhouse monitoring system for mango with Wireless Sensor Network (WSN). , 2014, , .		7
32	Sound analyser for bioacoustic monitoring system using LabVIEW. , 2014, , .		0
33	Braitenberg swarm vehicles for odour plume tracking in laminar airflow. , 2013, , .		4
34	Probabilistic neural network based olfactory classification for household burning in early fire detection application. , 2013, , .		2
35	The study of human movement effect on Signal Strength for indoor WSN deployment. , 2013, , .		37
36	Method to convert Kinect's 3D depth data to a 2D map for indoor SLAM. , 2013, , .		17

#	ARTICLE	IF	CITATIONS
37	Modeling and Simulation of WSNs for Agriculture Applications Using Dynamic Transmit Power Control Algorithm. , 2012, , .		7