Syed Muhammad Mamduh Syed Zakari

List of Publications by Year
in descending order

37 papers	345 citations	1040056 9 h-index	1058476 14 g-index
38 all docs	38 docs citations	38 times ranked	258 citing authors

#	Article	IF	Citations
1	The study of human movement effect on Signal Strength for indoor WSN deployment. , 2013, , .		37
2	Performance Analysis of the Microsoft Kinect Sensor for 2D Simultaneous Localization and Mapping (SLAM) Techniques. Sensors, 2014, 14, 23365-23387.	3.8	34
3	Integrating SLAM and gas distribution mapping (SLAM-GDM) for real-time gas source localization. Advanced Robotics, 2018, 32, 903-917.	1.8	24
4	RF-Based Moisture Content Determination in Rice Using Machine Learning Techniques. Sensors, 2021, 21, 1875.	3.8	24
5	Automatic Vehicle License Plate Recognition System Based on Image Processing and Template Matching Approach. , 2018, , .		22
6	Implementation of Behaviour Based Robot with Sense of Smell and Sight. Procedia Computer Science, 2015, 76, 119-125.	2.0	21
7	Real-Time In-Vehicle Air Quality Monitoring System Using Machine Learning Prediction Algorithm. Sensors, 2021, 21, 4956.	3.8	19
8	Method to convert Kinect's 3D depth data to a 2D map for indoor SLAM. , 2013, , .		17
9	Analysis of RSSI-based DFL for human detection in indoor environment using IRIS mote. , 2016, , .		16
10	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
11	Correction Model for Metal Oxide Sensor Drift Caused by Ambient Temperature and Humidity. Sensors, 2022, 22, 3301.	3.8	12
12	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
13	Modelling indoor propagation for WSN deployment in smart building. , 2014, , .		10
14	Cross-sensitivity of metal oxide gas sensor to ambient temperature and humidity: Effects on gas distribution mapping. AIP Conference Proceedings, 2017, , .	0.4	9
15	Mobile robot localization system using multiple ceiling mounted cameras. , 2015, , .		8
16	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
17	Modeling and Simulation of WSNs for Agriculture Applications Using Dynamic Transmit Power Control Algorithm. , 2012, , .		7
18	A real-time greenhouse monitoring system for mango with Wireless Sensor Network (WSN). , 2014, , .		7

#	Article	IF	Citations
19	Development of a Scalable Testbed for Mobile Olfaction Verification. Sensors, 2015, 15, 30894-30912.	3.8	6
20	RSSI-based Device Free Localization for Elderly Care Application. , 2017, , .		6
21	Braitenberg swarm vehicles for odour plume tracking in laminar airflow. , 2013, , .		4
22	2.4GHz RF based Active RFID Localization in Industrial Environment. , 2019, , .		4
23	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
24	Mobile Robot Based Simultaneous Localization and Mapping in UniMAP's Unknown Environment. , 2018, , .		3
25	Improved mobile robot based gas distribution mapping through propagated distance transform for structured indoor environment. Advanced Robotics, 2020, 34, 637-647.	1.8	3
26	Probabilistic neural network based olfactory classification for household burning in early fire detection application. , 2013, , .		2
27	Plant bio-absorber for ammonia gas absorption using I2C interface data acquisition system. , 2014, , .		2
28	Gas dispersion with induced airflow in mobile olfaction testbed. AIP Conference Proceedings, 2017, , .	0.4	2
29	Deep Neural Network for Localizing Gas Source Based on Gas Distribution Map. Lecture Notes in Electrical Engineering, 2022, , 1105-1115.	0.4	2
30	Multi channel ultrasonic sensing system for wall features extraction. , 2014, , .		1
31	FEASIBILITY ANALYSIS OF 2D-SLAM USING COMBINATION OF KINECT AND LASER SCANNER. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	1
32	Calibration of an electronic nose for poultry farm. AIP Conference Proceedings, 2017, , .	0.4	1
33	Human 3D Reconstruction and Identification Using Kinect Sensor. , 2018, , .		1
34	Sound analyser for bioacoustic monitoring system using LabVIEW. , 2014, , .		0
35	Development of atmospheric plasma gas discharge in liquid. , 2015, , .		0
36	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

#	ARTICLE	IF	CITATIONS
37	Rice grain moisture sensing based on UHF RFID tag. AIP Conference Proceedings, 2022, , .	0.4	0