Kamarulzaman Kamarudin

List of Publications by Year
in descending order

15 papers	**156** citations	1478505 **6** h-index	1281871 **11** g-index
15 all docs	**15** docs citations	**15** times ranked	**130** citing authors

#	Article	IF	Citations
1	Performance Analysis of the Microsoft Kinect Sensor for 2D Simultaneous Localization and Mapping (SLAM) Techniques. Sensors, 2014, 14, 23365-23387.	3.8	34
2	A Highly Sensitive Room Temperature CO_2 Gas Sensor Based on SnO_2-rGO Hybrid Composite. Materials, 2021, 14, 522.	2.9	33
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	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
5	Correction Model for Metal Oxide Sensor Drift Caused by Ambient Temperature and Humidity. Sensors, 2022, 22, 3301.	3.8	12
6	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
7	A real-time greenhouse monitoring system for mango with Wireless Sensor Network (WSN). , 2014, , .		7
8	Development of a Scalable Testbed for Mobile Olfaction Verification. Sensors, 2015, 15, 30894-30912.	3.8	6
9	Braitenberg swarm vehicles for odour plume tracking in laminar airflow. , 2013, , .		4
10	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
11	Mobile Robot Based Simultaneous Localization and Mapping in UniMAP's Unknown Environment. , 2018, , .		3
12	Multi-Domain Airflow Modeling and Ventilation Characterization Using Mobile Robots, Stationary Sensors and Machine Learning. Sensors, 2019, 19, 1119.	3.8	3
13	FEASIBILITY ANALYSIS OF 2D-SLAM USING COMBINATION OF KINECT AND LASER SCANNER. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	1
14	Human 3D Reconstruction and Identification Using Kinect Sensor. , 2018, , .		1
15	Analysis on filtering performance of solar powered water treatment device (SWAD) prototype. AIP Conference Proceedings, 2019, , .	0.4	1