

Mohammed A H Ali

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

279
citations

1163117
8
h-index

940533
16
g-index

27
all docs

27
docs citations

27
times ranked

157
citing authors

#	ARTICLE	IF	CITATIONS
1	IoT-BBMS: Internet of Things-Based Baby Monitoring System for Smart Cradle. IEEE Access, 2019, 7, 93791-93805.	4.2	55
2	Eye Tracking-Based Diagnosis and Early Detection of Autism Spectrum Disorder Using Machine Learning and Deep Learning Techniques. Electronics (Switzerland), 2022, 11, 530.	3.1	54
3	Path Planning and Control of Mobile Robot in Road Environments Using Sensor Fusion and Active Force Control. IEEE Transactions on Vehicular Technology, 2019, 68, 2176-2195.	6.3	42
4	A cascading fuzzy logic with image processing algorithmâ€‘based defect detection for automatic visual inspection of industrial cylindrical objectâ€™s surface. International Journal of Advanced Manufacturing Technology, 2019, 102, 81-94.	3.0	19
5	Automated fruit grading system. , 2017, , .		18
6	A simulation and experimental study on wheeled mobile robot path control in road roundabout environment. International Journal of Advanced Robotic Systems, 2019, 16, 172988141983477.	2.1	9
7	Autonomous Road Roundabout Detection and Navigation System for Smart Vehicles and Cities Using Laser Simulatorâ€‘Fuzzy Logic Algorithms and Sensor Fusion. Sensors, 2020, 20, 3694.	3.8	9
8	Novel Algorithm for Mobile Robot Path Planning in Constrained Environment. Computers, Materials and Continua, 2022, 71, 2697-2719.	1.9	9
9	A novel inertia moment estimation algorithm collaborated with Active Force Control scheme for wheeled mobile robot control in constrained environments. Expert Systems With Applications, 2021, 183, 115454.	7.6	8
10	Sensors Fusion based Online Mapping and Features Extraction of Mobile Robot in the Road Following and Roundabout. IOP Conference Series: Materials Science and Engineering, 2016, 114, 012135.	0.6	7
11	An intelligent adjustable spanner for automated engagement with multi-diameter bolts/nuts during tightening/loosening process using vision system and fuzzy logic. International Journal of Advanced Manufacturing Technology, 2019, 101, 2795-2813.	3.0	7
12	Artificial intelligence and natural language processing: the Arabic corpora in online translation software. International Journal of Advanced and Applied Sciences, 2016, 3, 59-66.	0.4	6
13	Body Language Analysis in Healthcare: An Overview. Healthcare (Switzerland), 2022, 10, 1251.	2.0	6
14	Mechatronic design and development of an autonomous mobile robotics system for road marks painting. , 2016, , .		5
15	Laser simulator. International Journal of Advanced Robotic Systems, 2018, 15, 172988141880472.	2.1	5
16	Development of an Autonomous Robotics Platform for Road Marks Painting Using Laser Simulator and Sensor Fusion Technique. Robotica, 2021, 39, 535-556.	1.9	4
17	A systematic and bibliometric analysis on 3D printing published in scientific citation index-expanded indexed journals between 1999 and 2019. Materials Today: Proceedings, 2021, 44, 1739-1743.	1.8	3
18	Fatigue and Harmonic Analysis of a Diesel Engine Crankshaft Using ANSYS. Lecture Notes in Mechanical Engineering, 2020, , 371-376.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Open source hardware and software platform for robotics and artificial intelligence applications. IOP Conference Series: Materials Science and Engineering, 2016, 114, 012142.	0.6	2
20	Global mobile robot path planning using laser simulator. , 2016, , .		2
21	Smart mobile robot system for rubbish collection. IOP Conference Series: Materials Science and Engineering, 2018, 319, 012056.	0.6	2
22	Algorithm to Detect Roundabout Environments for Mobile Robot Based on Laser Range Finder and Camera. Applied Mechanics and Materials, 0, 465-466, 796-800.	0.2	1
23	Autonomous Mobile Robot Platform for On-the-Road Navigation. Advanced Materials Research, 0, 845, 750-754.	0.3	1
24	Development Of Tele-Monitoring Attendance System Using RFID and Photo-Cell. , 2018, , .		1
25	Simulation Performance Comparison of A*, GLS, RRT and PRM Path Planning Algorithms. , 2022, , .		1
26	Control of wheeled mobile robot in restricted environment. IOP Conference Series: Materials Science and Engineering, 2018, 319, 012057.	0.6	0
27	Online Mapping-Based Navigation System for Wheeled Mobile Robot in Road Following and Roundabout. , 0, , .		0