

Mohammed A H Ali

List of Publications by Year in descending order

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27
papers

279
citations

1163117
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h-index

940533
16
g-index

27
all docs

27
docs citations

27
times ranked

157
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Novel Algorithm for Mobile Robot Path Planning in Constrained Environment. Computers, Materials and Continua, 2022, 71, 2697-2719. | 1.9 | 9 |
| 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 | Simulation Performance Comparison of A*, GLS, RRT and PRM Path Planning Algorithms. , 2022, , . | | 1 |
| 4 | Body Language Analysis in Healthcare: An Overview. Healthcare (Switzerland), 2022, 10, 1251. | 2.0 | 6 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Fatigue and Harmonic Analysis of a Diesel Engine Crankshaft Using ANSYS. Lecture Notes in Mechanical Engineering, 2020, , 371-376. | 0.4 | 3 |
| 10 | IoT-BBMS: Internet of Things-Based Baby Monitoring System for Smart Cradle. IEEE Access, 2019, 7, 93791-93805. | 4.2 | 55 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Control of wheeled mobile robot in restricted environment. IOP Conference Series: Materials Science and Engineering, 2018, 319, 012057. | 0.6 | 0 |
| 16 | Development Of Tele-Monitoring Attendance System Using RFID and Photo-Cell. , 2018, , . | | 1 |
| 17 | Smart mobile robot system for rubbish collection. IOP Conference Series: Materials Science and Engineering, 2018, 319, 012056. | 0.6 | 2 |
| 18 | Laser simulator. International Journal of Advanced Robotic Systems, 2018, 15, 172988141880472. | 2.1 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Automated fruit grading system. , 2017, , . | | 18 |
| 20 | 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 |
| 21 | Global mobile robot path planning using laser simulator. , 2016, , . | | 2 |
| 22 | Mechatronic design and development of an autonomous mobile robotics system for road marks painting. , 2016, , . | | 5 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | Autonomous Mobile Robot Platform for On-the-Road Navigation. Advanced Materials Research, 0, 845, 750-754. | 0.3 | 1 |
| 27 | Online Mapping-Based Navigation System for Wheeled Mobile Robot in Road Following and Roundabout. , 0, , . | | 0 |