Arockia Selvakumar Arockia doss

List of Publications by Year
in descending order

| 30 papers | 141 citations | 1478505 6 h-index | 1372567 10 g-index |

| 31 all docs | 31 docs citations | 31 times ranked | 63 citing authors |

#	Article	IF	Citations
1	SIMULATION AND EXPERIMENTAL STUDIES OF A MOBILE ROBOT FOR UNDERWATER APPLICATIONS. International Journal of Robotics and Automation, 2021, 36, .	0.1	2
2	ADAPTIVE CONTROL OF TOOL WEAR BY GREY WOLF OPTIMIZATION AND NEURAL CONTROLLER IN DRILLING. International Journal of Robotics and Automation, 2021, 36, .	0.1	2
3	Metallurgical investigation of failure analysis in industrial machine components. Materials Today: Proceedings, 2020, 27, 2076-2080.	1.8	2
4	Metallurgical Failure Analysis and Improved Core Hardness to Enhance Crushing Strength, Wear Resistance and Fatigue Strength of Chain Bush. Journal of Failure Analysis and Prevention, 2020, 20, 967-975.	0.9	2
5	Obstacle avoidance system and wireless communication for an unmanned underwater vehicle for low depth water surfaces. International Journal of Advanced Mechatronic Systems, 2020, 8, 50.	0.2	0
6	Maze path planning of mobile robots by gradient map rendering and gradient follow. International Journal of Advanced Mechatronic Systems, 2020, 8, 57.	0.2	0
7	Enhancement of Fatigue Strength on SAE 1541 Steel Link Plate with Slip Ball Burnishing Technique. Defence Science Journal, 2020, 70, 454-460.	0.8	3
8	CFD Analysis of flow around fish. Journal of Physics: Conference Series, 2019, 1276, 012010.	0.4	2
9	IoT Controlled Mobile Robot for Home Security and Surveillance. Lecture Notes on Data Engineering and Communications Technologies, 2019, , 431-438.	0.7	3
10	A kinematic and workspace analysis of a parallel rehabilitation device for head-neck injured patients. FME Transactions, 2019, 47, 405-411.	1.4	15
11	IoT Based Multi-Terrain Rover for Urban Search and Rescue Application. International Journal of Engineering and Advanced Technology, 2019, 9, 428-432.	0.3	0
12	Cloud based IoT Applications for Industrial and Home Automation. International Journal of Engineering and Advanced Technology, 2019, 9, 420-427.	0.3	0
13	A Low Cost Underwater Robot with Grippers for Visual Inspection of External Pipeline Surface. Procedia Computer Science, 2018, 133, 108-115.	2.0	13
14	Kinematic and Dynamic Analysis of 3PUU Parallel Manipulator for Medical Applications. Procedia Computer Science, 2018, 133, 604-611.	2.0	18
15	A Survey on Swarm Robotic Modeling, Analysis and Hardware Architecture. Procedia Computer Science, 2018, 133, 478-485.	2.0	12
16	Conceptual Design and Non-Linear Analysis of Triphibian Drone. Procedia Computer Science, 2018, 133, 448-455.	2.0	6
17	A Numerical Approach for 3 PRS Parallel Manipulator. International Journal of Engineering and Technology(UAE), 2018, 7, 90.	0.3	2
18	A Comparative Study Between Hopfield Neural Network and A* Path Planning Algorithms for Mobile Robot. Advances in Intelligent Systems and Computing, 2017, , 33-48.	0.6	2

#	Article	IF	Citations
19	Kinematic and Velocity Analysis of 3-DOF Parallel Kinematic Machine for Drilling Operation. , 2017, , .		4
20	Manipulation and Path Planning for KUKA (LWR/ LBR 4+) Robot in a Simulated and Real Environment. Journal of Automation, Mobile Robotics and Intelligent Systems, 2017, 11, 15-21.	0.4	4
21	Path tracing for ground wheeled robot in partially known environment. International Journal of Information and Communication Technology, 2016, 9, 356.	0.1	0
22	A humanoid neck using parallel manipulators. , 2016, , .		11
23	Experimental Investigation on Position Analysis of 3 â€" DOF Parallel Manipulators. Procedia Engineering, 2014, 97, 1126-1134.	1.2	11
24	Weight Criteria Detection to Find Work Volume of 3â€"PRS Parallel Manipulator Using Fuzzy Logic. Procedia Engineering, 2014, 97, 1929-1934.	1.2	2
25	Simulation and singularity analysis of 3-PRS parallel manipulator. , 2012, , .		7
26	Simulation and performance study of 3 â€" DOF parallel manipulator units. , 2010, , .		8
27	Simulation and Workspace Analysis of Two 3-DOF Parallel Manipulator Units. Journal for Manufacturing Science and Production, 2009, 10, 257-264.	0.1	1
28	Kinematic and Singularity Analysis of 3 PRR Parallel Manipulator. Advanced Materials Research, 0, 403-408, 5015-5021.	0.3	2
29	Vision Based Pick and Place Robot for Sorting Objects Using MATLAB. Applied Mechanics and Materials, 0, 592-594, 2314-2318.	0.2	0
30	A Novel Design of Pneumatic Actuator for Camless Engines. , 0, , .		4