

# Arockia Selvakumar Arockia doss

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Kinematic and Dynamic Analysis of 3PUU Parallel Manipulator for Medical Applications. Procedia Computer Science, 2018, 133, 604-611.  | 2.0 | 18        |
| 2  | A kinematic and workspace analysis of a parallel rehabilitation device for head-neck injured patients. FME Transactions, 2019, 47, 405-411.                                       | 1.4 | 15        |
| 3  | A Low Cost Underwater Robot with Grippers for Visual Inspection of External Pipeline Surface. Procedia Computer Science, 2018, 133, 108-115.                                      | 2.0 | 13        |
| 4  | A Survey on Swarm Robotic Modeling, Analysis and Hardware Architecture. Procedia Computer Science, 2018, 133, 478-485.  | 2.0 | 12        |
| 5  | Experimental Investigation on Position Analysis of 3-DOF Parallel Manipulators. Procedia Engineering, 2014, 97, 1126-1134.  | 1.2 | 11        |
| 6  | A humanoid neck using parallel manipulators. , 2016, , .  |     | 11        |
| 7  | Simulation and performance study of 3-DOF parallel manipulator units. , 2010, , .   |     | 8         |
| 8  | Simulation and singularity analysis of 3-PRS parallel manipulator. , 2012, , .  |     | 7         |
| 9  | Conceptual Design and Non-Linear Analysis of Triphibian Drone. Procedia Computer Science, 2018, 133, 448-455.   | 2.0 | 6         |
| 10 | A Novel Design of Pneumatic Actuator for Camless Engines. , 0, , .  |     | 4         |
| 11 | Kinematic and Velocity Analysis of 3-DOF Parallel Kinematic Machine for Drilling Operation. , 2017, , .   |     | 4         |
| 12 | 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         |
| 13 | IoT Controlled Mobile Robot for Home Security and Surveillance. Lecture Notes on Data Engineering and Communications Technologies, 2019, , 431-438.                               | 0.7 | 3         |
| 14 | 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         |
| 15 | Kinematic and Singularity Analysis of 3 PRR Parallel Manipulator. Advanced Materials Research, 0, 403-408, 5015-5021.   | 0.3 | 2         |
| 16 | Weight Criteria Detection to Find Work Volume of 3-PRS Parallel Manipulator Using Fuzzy Logic. Procedia Engineering, 2014, 97, 1929-1934.   | 1.2 | 2         |
| 17 | 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         |
| 18 | A Numerical Approach for 3 PRS Parallel Manipulator. International Journal of Engineering and Technology(UAE), 2018, 7, 90.   | 0.3 | 2         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | CFD Analysis of flow around fish. Journal of Physics: Conference Series, 2019, 1276, 012010.   | 0.4 | 2         |
| 20 | Metallurgical investigation of failure analysis in industrial machine components. Materials Today: Proceedings, 2020, 27, 2076-2080.   | 1.8 | 2         |
| 21 | 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         |
| 22 | SIMULATION AND EXPERIMENTAL STUDIES OF A MOBILE ROBOT FOR UNDERWATER APPLICATIONS. International Journal of Robotics and Automation, 2021, 36, .   | 0.1 | 2         |
| 23 | 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         |
| 24 | Simulation and Workspace Analysis of Two 3-DOF Parallel Manipulator Units. Journal for Manufacturing Science and Production, 2009, 10, 257-264.  | 0.1 | 1         |
| 25 | Vision Based Pick and Place Robot for Sorting Objects Using MATLAB. Applied Mechanics and Materials, 0, 592-594, 2314-2318.  | 0.2 | 0         |
| 26 | Path tracing for ground wheeled robot in partially known environment. International Journal of Information and Communication Technology, 2016, 9, 356.   | 0.1 | 0         |
| 27 | 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         |
| 28 | Cloud based IoT Applications for Industrial and Home Automation. International Journal of Engineering and Advanced Technology, 2019, 9, 420-427.   | 0.3 | 0         |
| 29 | 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         |
| 30 | 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         |