

Anish Pandey

List of Publications by Year in descending order

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44
papers

1,304
citations

687220

13
h-index

377752

34
g-index

52
all docs

52
docs citations

52
times ranked

815
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A review: On path planning strategies for navigation of mobile robot. Defence Technology, 2019, 15, 582-606. | 2.1 | 506 |
| 2 | Path planning in uncertain environment by using firefly algorithm. Defence Technology, 2018, 14, 691-701. | 2.1 | 129 |
| 3 | Mobile Robot Navigation and Obstacle Avoidance Techniques: A Review. International Robotics & Automation Journal, 2017, 2, . | 0.3 | 126 |
| 4 | Optimum path planning of mobile robot in unknown static and dynamic environments using Fuzzy-Wind Driven Optimization algorithm. Defence Technology, 2017, 13, 47-58. | 2.1 | 98 |
| 5 | Path planning navigation of mobile robot with obstacles avoidance using fuzzy logic controller. , 2014, , . | | 57 |
| 6 | Autonomous mobile robot navigation between static and dynamic obstacles using multiple ANFIS architecture. World Journal of Engineering, 2019, 16, 275-286. | 1.0 | 52 |
| 7 | Mobile robot navigation in unknown static environments using ANFIS controller. Perspectives in Science, 2016, 8, 421-423. | 0.6 | 51 |
| 8 | V-REP-based navigation of automated wheeled robot between obstacles using PSO-tuned feedforward neural network. Journal of Computational Design and Engineering, 2020, 7, 427-434. | 1.5 | 30 |
| 9 | Multiple Mobile Robots Navigation and Obstacle Avoidance Using Minimum Rule Based ANFIS Network Controller in the Cluttered Environment. International Journal of Advanced Robotics and Automation, 2016, 1, 1-11. | 0.3 | 26 |
| 10 | MATLAB Simulation for Mobile Robot Navigation with Hurdles in Cluttered Environment Using Minimum Rule based Fuzzy Logic Controller. Procedia Technology, 2014, 14, 28-34. | 1.1 | 24 |
| 11 | Numerical and Experimental Verification of a Method for Prognosis of Inclined Edge Crack in Cantilever Beam based on Synthesis of Mode Shapes. Procedia Technology, 2014, 14, 67-74. | 1.1 | 21 |
| 12 | Different Nature-Inspired Techniques Applied for Motion Planning of Wheeled Robot: A Critical Review. International Journal of Advanced Robotics and Automation, 2018, 3, 1-10. | 0.3 | 16 |
| 13 | Autonomous mobile robot navigation in cluttered environment using hybrid Takagi-Sugeno fuzzy model and simulated annealing algorithm controller. World Journal of Engineering, 2016, 13, 431-440. | 1.0 | 14 |
| 14 | New algorithm for behaviour-based mobile robot navigation in cluttered environment using neural network architecture. World Journal of Engineering, 2016, 13, 129-141. | 1.0 | 14 |
| 15 | Optimized Path Planning for Three-Wheeled Autonomous Robot Using Teachingâ€“Learning-Based Optimization Technique. Lecture Notes in Mechanical Engineering, 2020, , 49-57. | 0.3 | 14 |
| 16 | Path planning of an autonomous mobile robot using adaptive network based fuzzy controller. , 2013, , . | | 12 |
| 17 | Multi-objective optimization technique for trajectory planning of multi-humanoid robots in cluttered terrain. ISA Transactions, 2022, 125, 591-613. | 3.1 | 11 |
| 18 | Controlled Gait Planning of Humanoid Robot NAO Based on 3D-LIPM Model. SSRN Electronic Journal, 0, , . | 0.4 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Analysis of optimized turning parameters of Hastelloy C-276 using PVD coated carbide inserts in CNC lathe under dry condition. <i>Materials Today: Proceedings</i> , 2021, 47, 2929-2948. | 0.9 | 8 |
| 20 | Type-2 Fuzzy Controller (T2FC) Based Motion Planning of Differential-Drive Pioneer P3-DX Wheeled Robot in V-REP Software Platform. <i>Intelligent Systems Reference Library</i> , 2020, , 47-57. | 1.0 | 6 |
| 21 | Optimum Navigation of Four-Wheeled Ground Robot in Stationary and Non-stationary Environments Using Wind-Driven Optimization Algorithm. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 931-941. | 0.3 | 6 |
| 22 | Investigation on hard turning temperature under a novel pulsating MQL environment: An experimental and modelling approach. <i>Mechanics and Industry</i> , 2020, 21, 605. | 0.5 | 6 |
| 23 | Dynamic Path Planning for Autonomous Mobile Robot using Minimum Fuzzy Rule Based Controller with Avoidance of Moving Obstacles. , 2018, , . | | 5 |
| 24 | Improved Modified Chaotic Invasive Weed Optimization Approach to Solve Multi-Target Assignment for Humanoid Robot. <i>Journal of Robotics and Control (JRC)</i> , 2021, 2, . | 0.9 | 5 |
| 25 | Motor velocity based multi-objective genetic algorithm controlled navigation method for two-wheeled pioneer P3-DX robot in V-REP scenario. <i>International Journal of Information Technology (Singapore)</i> , 2021, 13, 2101-2108. | 1.8 | 5 |
| 26 | Analysis of Wiper Tool Failure and Surface Roughness in Turning of Bio-compatible Ti-6Al-4V ELI Alloy. <i>Journal of Failure Analysis and Prevention</i> , 2021, 21, 1403-1422. | 0.5 | 5 |
| 27 | INVESTIGATION OF MACHINABILITY PERFORMANCE IN TURNING OF Ti-6Al-4V ELI ALLOY USING FIREFLY ALGORITHM AND GRNN APPROACHES. <i>Surface Review and Letters</i> , 2022, 29, . | 0.5 | 5 |
| 28 | The Optimized Path For A Mobile Robot Using Fuzzy Decision Function. <i>Materials Today: Proceedings</i> , 2019, 18, 3575-3581. | 0.9 | 4 |
| 29 | Intelligent navigation and control of a mobile robot in static and dynamic environments using hybrid fuzzy architecture. <i>International Journal of Autonomic Computing</i> , 2017, 2, 255. | 0.2 | 3 |
| 30 | Path optimization for multiple humanoid robot using TLBO based ANFIS controller in obscure environment. <i>Materials Today: Proceedings</i> , 2021, 47, 2677-2677. | 0.9 | 3 |
| 31 | Cascade Neuro-Fuzzy Architecture Based Mobile- Robot Navigation and Obstacle Avoidance in Static and Dynamic Environments. <i>International Journal of Advanced Robotics and Automation</i> , 2017, 1, 1-9. | 0.3 | 3 |
| 32 | Generalised Regression Neural Network (GRNN) Architecture-Based Motion Planning and Control of an E-Puck Robot in V-REP Software Platform. <i>Acta Mechanica Et Automatica</i> , 2021, 15, 209-214. | 0.3 | 3 |
| 33 | Analysis of Firefly-Fuzzy Hybrid Controller for Wheeled Mobile Robot. , 2019, , . | | 2 |
| 34 | Design and fabrication of a novel concept-based autonomous controlled solar powered four-wheeled Floor Cleaning Robot for wet and dry surfaces. <i>International Journal of Information Technology (Singapore)</i> , 2022, 14, 1995-2004. | 1.8 | 2 |
| 35 | Orientation angle based online motion control of an Aldebaran NAO humanoid robot in V-REP software environment using novel sunflower optimization (SFO) algorithm. <i>International Journal of Information Technology (Singapore)</i> , 2021, 13, 2175-2183. | 1.8 | 1 |
| 36 | Dynamic Motion Planning for Autonomous Wheeled Robot using Minimum Fuzzy Rule based Controller with Avoidance of Moving Obstacles. <i>International Journal of Innovative Technology and Exploring Engineering</i> , 2019, 9, 4192-4198. | 0.2 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Particle Swarm Optimization of Multi-responses in Hard Turning of D2 Steel. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 237-244. | 0.5 | 1 |
| 38 | Design and Analysis of a Novel Concept-Based Unmanned Aerial Vehicle with Ground Traversing Capability. <i>Acta Mechanica Et Automatica</i> , 2022, 16, 169-179. | 0.3 | 1 |
| 39 | Sunflower optimization algorithm based steering angle controlled motion planning of two-wheeled Pioneer P3-DX robot in V-REP scenario. <i>AIP Conference Proceedings</i> , 2021, , . | 0.3 | 0 |
| 40 | Analysis of Hybrid Technique for Motion Planning of Humanoid NAO. <i>International Journal of Robotics and Control Systems</i> , 2021, 1, 75-83. | 0.6 | 0 |
| 41 | Stabilized Walking of Humanoid NAO using Enhanced Spring-Loaded Inverted Pendulum Model on Uneven Terrain. <i>International Journal of Social Ecology and Sustainable Development</i> , 2022, 13, 0-0. | 0.1 | 0 |
| 42 | Trajectory tracking of single and multiple humanoid robots in cluttered environment. <i>Materials Today: Proceedings</i> , 2022, , . | 0.9 | 0 |
| 43 | Fuzzy logic controlled autonomous quadruped robot. <i>Materials Today: Proceedings</i> , 2022, , . | 0.9 | 0 |
| 44 | MACHINABILITY INVESTIGATION OF HIGH-STRENGTH 7068 ALUMINUM ALLOY: A POTENTIAL STUDY THROUGH EXPERIMENTATION, SPOTTED HYENA OPTIMIZATION AND ADVANCED MODELING APPROACHES. <i>Surface Review and Letters</i> , 0, , . | 0.5 | 0 |