# Elyson Ãdan Nunes Carvalho

## List of Publications by Year
in descending order

| | | 1684188 | 1588992 |
|---|---|---|---|
| 38 | 106 | 5 | 8 |
| papers | citations | h-index | g-index |

| 38 | 38 | 38 | 82 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Two-Layers Workspace: A New Approach to Cooperative Object Transportation With Obstacle Avoidance for Multi-Robot System. IEEE Access, 2022, 10, 6929-6939. | 4.2 | 2 |
| 2 | Intuitiveness Level: Frustration-Based Methodology for Human–Robot Interaction Gesture Elicitation. IEEE Access, 2022, 10, 17145-17154. | 4.2 | 1 |
| 3 | Equivalent Circuit Models for SAW Delay Line Sensors. IEEE Sensors Journal, 2022, 22, 11810-11818. | 4.7 | 3 |
| 4 | Interferential current intensity influences the hypoalgesic response in healthy subjects under mechanically-induced pain: A randomized controlled trial. Physiotherapy Theory and Practice, 2022, , 1-13. | 1.3 | 1 |
| 5 | FABRIK-R: An Extension Developed Based on FABRIK for Robotics Manipulators. IEEE Access, 2021, 9, 53423-53435. | 4.2 | 4 |
| 6 | MB-RRT: An Inverse Kinematics Solver of Reduced Dimension. IEEE Access, 2021, 9, 148558-148573. | 4.2 | 1 |
| 7 | M-FABRIK: A New Inverse Kinematics Approach to Mobile Manipulator Robots Based on FABRIK. IEEE Access, 2020, 8, 208836-208849. | 4.2 | 13 |
| 8 | Aggressive Motion Planning for a Quadrotor System with Slung Load Based on RRT. , 2020, , . | | 1 |
| 9 | Principal Component Analysis (PCA) and Hough Transform as Tool for Simultaneous Localization and Mapping (SLAM) with Sparse and Noisy Sensors. Journal of Integrated Circuits and Systems, 2020, 15, 1-5. | 0.4 | 0 |
| 10 | Displacer-Type Liquid Level Sensor with Liquid Density Auto-Compensation. Journal of Integrated Circuits and Systems, 2020, 15, 1-5. | 0.4 | 0 |
| 11 | Single Coil Metal Detector and Classifier Based on Phase Measurement. , 2019, , . | | 6 |
| 12 | The Impact of Parametric Uncertainties on Mobile Robots Velocities and Pose Estimation. IEEE Access, 2019, 7, 69070-69086. | 4.2 | 11 |
| 13 | Forceps Pressure Algometer Based on Load Cell. , 2019, , . | | 0 |
| 14 | Analysis of Cross-Cultural Effect on Gesture-Based Human-Robot Interaction. International Journal of Mechanical Engineering and Robotics Research, 2019, , 852-859. | 1.0 | 1 |
| 15 | Solving Inverse Kinematics of Planar Manipulators with Robustness to Singularities by Reverse Operating Neural Networks. , 2018, , . | | 1 |
| 16 | Analysis of the Density and Temperature Invariant Displacer-Type Liquid Level Measuring Method. , 2018, , . | | 1 |
| 17 | The Polarized RRT-Edge Approach. , 2018, , . | | 1 |
| 18 | FRPSO: Inverse Kinematics Using Fully Resampled Particle Swarm Optimization. , 2018, , . | | 2 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | A density and temperature invariant displacer-type liquid level measuring method. , 2018, , . | | 1 |
| 20 | Comparison between fuzzy and neural controllers to cross the reality gap in evolutionary robotics. , 2018, , . | | 1 |
| 21 | Convolutional structures and marginal statistics--a study based on K-nearest neighbours. Journal of Communication and Information Systems, 2018, 33, 184-190. | 0.3 | 0 |
| 22 | Validation of a New Placebo Interferential Current Method: A New Placebo Method of Electrostimulation. Pain Medicine, 2017, 18, 86-94. | 1.9 | 7 |
| 23 | A correntropy function based on coincidence detection. Pattern Recognition Letters, 2017, 85, 84-88. | 4.2 | 2 |
| 24 | Heuristics for the Multi-Robot Worst-Case Pursuit-Evasion Problem. IEEE Access, 2017, 5, 17552-17566. | 4.2 | 8 |
| 25 | RRT-Edge: A compact approach for path planning of mobile robots. , 2017, , . | | 1 |
| 26 | Evolutionary robotics applied to the multi-robot worst-case pursuit-evasion problem. , 2016, , . | | 1 |
| 27 | On the minimum probability of classification error through effective cardinality comparison. Journal of Communication and Information Systems, 2016, 31, 304-312. | 0.3 | 0 |
| 28 | Compact RRT: A New Approach for Guided Sampling Applied to Environment Representation and Path Planning in Mobile Robotics. , 2015, , . | | 5 |
| 29 | Fault-Tolerant Weld Line Detection Using Image Processing and Fusion of Execution Monitoring Systems. Journal of Control, Automation and Electrical Systems, 2013, 24, 70-80. | 2.0 | 2 |
| 30 | A Methodology to Designing Strategies for Robot Soccer Based on Discrete Event Systems Formalism. , 2012, , . | | 5 |
| 31 | MediÃ§Ã£o de velocidade angular com alta resoluÃ§Ã£o usando enconders de baixa resoluÃ§Ã£o e PLL. Controle and Automacao, 2010, 21, 616-625. | 0.2 | 0 |
| 32 | Fault-tolerant weld line detection for automatic inspection of storage tanks based on distance and visual information fusion. , 2009, , . | | 8 |
| 33 | Voice codification evaluation based on a real-time training system with tactile feedback applied to deaf people. , 2009, , . | | 1 |
| 34 | Subcutaneous fat tissue thickness measurement based on ultrasound. , 2009, , . | | 3 |
| 35 | Execution Monitoring Applied to Data Estimation Processes. , 2008, , . | | 3 |
| 36 | Ultrasonic Anemometer for the Measurement of Respiratory Flow in the Forced Oscillation Technique. , 2007, , . | | 1 |

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|---|---------|-----|-----------|
| 37 | Fillet Weld Identification for Automatic Inspection of Spherical Tanks. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , . | 0.0 | 7 |
| 38 | Singularity-Free Inverse Kinematics with Joint Prioritization for Manipulators. Journal of Control, Automation and Electrical Systems, 0, , 1. | 2.0 | 1 |