

Elyson Aédan Nunes Carvalho

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

106
citations

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38
times ranked

82
citing authors

#	ARTICLE	IF	CITATIONS
1	M-FABRIK: A New Inverse Kinematics Approach to Mobile Manipulator Robots Based on FABRIK. IEEE Access, 2020, 8, 208836-208849.	4.2	13
2	The Impact of Parametric Uncertainties on Mobile Robots Velocities and Pose Estimation. IEEE Access, 2019, 7, 69070-69086.	4.2	11
3	Fault-tolerant weld line detection for automatic inspection of storage tanks based on distance and visual information fusion. , 2009, , .		8
4	Heuristics for the Multi-Robot Worst-Case Pursuit-Evasion Problem. IEEE Access, 2017, 5, 17552-17566.	4.2	8
5	Fillet Weld Identification for Automatic Inspection of Spherical Tanks. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	7
6	Validation of a New Placebo Interferential Current Method: A New Placebo Method of Electrostimulation. Pain Medicine, 2017, 18, 86-94.	1.9	7
7	Single Coil Metal Detector and Classifier Based on Phase Measurement. , 2019, , .		6
8	A Methodology to Designing Strategies for Robot Soccer Based on Discrete Event Systems Formalism. , 2012, , .		5
9	Compact RRT: A New Approach for Guided Sampling Applied to Environment Representation and Path Planning in Mobile Robotics. , 2015, , .		5
10	FABRIK-R: An Extension Developed Based on FABRIK for Robotics Manipulators. IEEE Access, 2021, 9, 53423-53435.	4.2	4
11	Execution Monitoring Applied to Data Estimation Processes. , 2008, , .		3
12	Subcutaneous fat tissue thickness measurement based on ultrasound. , 2009, , .		3
13	Equivalent Circuit Models for SAW Delay Line Sensors. IEEE Sensors Journal, 2022, 22, 11810-11818.	4.7	3
14	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
15	A correntropy function based on coincidence detection. Pattern Recognition Letters, 2017, 85, 84-88.	4.2	2
16	FRPSO: Inverse Kinematics Using Fully Resampled Particle Swarm Optimization. , 2018, , .		2
17	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
18	Ultrasonic Anemometer for the Measurement of Respiratory Flow in the Forced Oscillation Technique. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
19	Voice codification evaluation based on a real-time training system with tactile feedback applied to deaf people. , 2009, , .		1
20	Evolutionary robotics applied to the multi-robot worst-case pursuit-evasion problem. , 2016, , .		1
21	RRT-Edge: A compact approach for path planning of mobile robots. , 2017, , .		1
22	Solving Inverse Kinematics of Planar Manipulators with Robustness to Singularities by Reverse Operating Neural Networks. , 2018, , .		1
23	Analysis of the Density and Temperature Invariant Displacer-Type Liquid Level Measuring Method. , 2018, , .		1
24	The Polarized RRT-Edge Approach. , 2018, , .		1
25	A density and temperature invariant displacer-type liquid level measuring method. , 2018, , .		1
26	Comparison between fuzzy and neural controllers to cross the reality gap in evolutionary robotics. , 2018, , .		1
27	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
28	Aggressive Motion Planning for a Quadrotor System with Slung Load Based on RRT. , 2020, , .		1
29	MB-RRT: An Inverse Kinematics Solver of Reduced Dimension. IEEE Access, 2021, 9, 148558-148573.	4.2	1
30	Intuitiveness Level: Frustration-Based Methodology for Human-Robot Interaction Gesture Elicitation. IEEE Access, 2022, 10, 17145-17154.	4.2	1
31	Singularity-Free Inverse Kinematics with Joint Prioritization for Manipulators. Journal of Control, Automation and Electrical Systems, 0, , 1.	2.0	1
32	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
33	Forceps Pressure Algometer Based on Load Cell. , 2019, , .		0
34	Medição de velocidade angular com alta resolução usando encoders de baixa resolução e PLL. Controle and Automacao, 2010, 21, 616-625.	0.2	0
35	On the minimum probability of classification error through effective cardinality comparison. Journal of Communication and Information Systems, 2016, 31, 304-312.	0.3	0
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Displacer-Type Liquid Level Sensor with Liquid Density Auto-Compensation. Journal of Integrated Circuits and Systems, 2020, 15, 1-5.	0.4	0