

Carlos Faria

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6080205/publications.pdf>

Version: 2024-02-01

13
papers

316
citations

1307594

7
h-index

1281871

11
g-index

15
all docs

15
docs citations

15
times ranked

346
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Robotic Technology for Stereotactic Neurosurgery. IEEE Reviews in Biomedical Engineering, 2015, 8, 125-137.	18.0	75
2	Position-based kinematics for 7-DoF serial manipulators with global configuration control, joint limit and singularity avoidance. Mechanism and Machine Theory, 2018, 121, 317-334.	4.5	69
3	Lean Manufacturing and Ergonomics Integration: Defining Productivity and Wellbeing Indicators in a Human-Robot Workstation. Sustainability, 2021, 13, 1931.	3.2	43
4	Towards an Ergonomic Assessment Framework for Industrial Assembly Workstations—A Case Study. Applied Sciences (Switzerland), 2020, 10, 3048.	2.5	41
5	Validation of a stereo camera system to quantify brain deformation due to breathing and pulsatility. Medical Physics, 2014, 41, 113502.	3.0	27
6	Physical Ergonomic Improvement and Safe Design of an Assembly Workstation through Collaborative Robotics. Safety, 2021, 7, 14.	1.7	20
7	Automatic Denavit-Hartenberg Parameter Identification for Serial Manipulators. , 2019, , .		15
8	FIBR3DEmul—an open-access simulation solution for 3D printing processes of FDM machines with 3+ actuated axes. International Journal of Advanced Manufacturing Technology, 2020, 106, 3609-3623.	3.0	10
9	Experiential Learning of Robotics Fundamentals Based on a Case Study of Robot-Assisted Stereotactic Neurosurgery. IEEE Transactions on Education, 2016, 59, 119-128.	2.4	4
10	Safety Requirements for the Design of Collaborative Robotic Workstations in Europe — A Review. Advances in Intelligent Systems and Computing, 2020, , 225-232.	0.6	3
11	From Handcrafting to a Certified and Ergonomic Collaborative Workstation: The Digital Transformation Process. , 2021, , .		2
12	Robotic Assisted Deep Brain Stimulation Neurosurgery: First Steps on System Development. , 2013, , .		2
13	Trajectory tracking for the inspection of deformable objects considering manipulability of a 7-DoF serial manipulator. , 2022, , .		0