

# Germano Mcs Veiga

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58

papers

368

citations

10

h-index

16

g-index

68

ext. papers

489

ext. citations

2.6

avg, IF

3.63

L-index

#	Paper	IF	Citations
58	Programming-by-demonstration in the coworker scenario for SMEs. <i>Industrial Robot</i> , <b>2009</b> , 36, 73-83	1.4	32
57	Collaborative Welding System using BIM for Robotic Reprogramming and Spatial Augmented Reality. <i>Automation in Construction</i> , <b>2019</b> , 106, 102825	9.6	30
56	SMErobotics: Smart Robots for Flexible Manufacturing. <i>IEEE Robotics and Automation Magazine</i> , <b>2019</b> , 26, 78-90	3.4	28
55	A Vertical and CyberPhysical Integration of Cognitive Robots in Manufacturing. <i>Proceedings of the IEEE</i> , <b>2016</b> , 104, 1114-1127	14.3	27
54	Experiments with service-oriented architectures for industrial robotic cells programming. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2009</b> , 25, 746-755	9.2	24
53	Testing the vertical and cyber-physical integration of cognitive robots in manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2019</b> , 57, 213-229	9.2	24
52	Towards an orientation enhanced astar algorithm for robotic navigation <b>2015</b> ,		18
51	Robust 3/6 DoF self-localization system with selective map update for mobile robot platforms. <i>Robotics and Autonomous Systems</i> , <b>2016</b> , 76, 113-140	3.5	14
50	Evaluation of Depth Sensors for Robotic Applications <b>2015</b> ,		13
49	Online inspection system based on machine learning techniques: real case study of fabric textures classification for the automotive industry. <i>Journal of Intelligent Manufacturing</i> , <b>2019</b> , 30, 351-361	6.7	13
48	Time enhanced A*: Towards the development of a new approach for Multi-Robot Coordination <b>2015</b> ,		10
47	Flexible Work Cell Simulator Using Digital Twin Methodology for Highly Complex Systems in Industry 4.0. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 541-552	0.4	9
46	Assessment of Robotic Picking Operations Using a 6 Axis Force/Torque Sensor. <i>IEEE Robotics and Automation Letters</i> , <b>2016</b> , 1, 768-775	4.2	8
45	A mobile robot based sensing approach for assessing spatial inconsistencies of a logistic system. <i>Journal of Manufacturing Systems</i> , <b>2017</b> , 43, 129-138	9.1	7
44	Detecting and Solving Tube Entanglement in Bin Picking Operations. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2264	2.6	7
43	Validation of a Time Based Routing Algorithm Using a Realistic Automatic Warehouse Scenario. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 81-92	0.4	7
42	Interactive Industrial Robot Programming for the Ceramic Industry. <i>International Journal of Advanced Robotic Systems</i> , <b>2013</b> , 10, 354	1.4	6

41	A Multilayer Model Predictive Control Methodology Applied to a Biomass Supply Chain Operational Level. <i>Complexity</i> , <b>2017</b> , 2017, 1-10	1.6	5
40	Separation of concerns on the orchestration of operations in flexible manufacturing. <i>Assembly Automation</i> , <b>2012</b> , 32, 38-50	2.1	5
39	Overview of MPC applications in supply chains: Potential use and benefits in the management of forest-based supply chains. <i>Forest Systems</i> , <b>2015</b> , 24, e039	0.9	5
38	Application of the Open Scalable Production System to Machine Tending of Additive Manufacturing Operations by a Mobile Manipulator. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 345-356	0.9	5
37	A* Based Routing and Scheduling Modules for Multiple AGVs in an Industrial Scenario. <i>Robotics</i> , <b>2021</b> , 10, 72	2.8	5
36	Cable robot for non-standard architecture and construction: A dynamic positioning system <b>2015</b> ,		4
35	Automatic generation of disassembly sequences and exploded views from solidworks symbolic geometric relationships <b>2018</b> ,		4
34	The ECHORD project proposals analysis [Research profiles, collaboration patterns and research topic trends. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 7132-7140	7.8	4
33	ON THE USE OF SERVICE ORIENTED SOFTWARE PLATFORMS FOR INDUSTRIAL ROBOTIC CELLS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2007</b> , 40, 109-115		4
32	Perception of Entangled Tubes for Automated Bin Picking. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 619-631	0.4	4
31	Evaluation of Stanford NER for extraction of assembly information from instruction manuals <b>2017</b> ,		3
30	Development of an Autonomous Mobile Towing Vehicle for Logistic Tasks. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 669-681	0.4	3
29	Enhancement of Industrial Logistic Systems with Semantic 3D Representations for Mobile Manipulators. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 617-628	0.4	3
28	<b>2016</b> ,		3
27	The SPIDERobot: A Cable-Robot System for On-site Construction in Architecture <b>2016</b> , 230-239		3
26	Optimal automatic path planner and design for high redundancy robotic systems. <i>Industrial Robot</i> , <b>2019</b> , 47, 131-139	1.4	3
25	Routing and schedule simulation of a biomass energy supply chain through SimPy simulation package. <i>Applied Computing and Informatics</i> , <b>2021</b> , 17, 36-52	4.2	3
24	Using Simulation to Evaluate a Tube Perception Algorithm for Bin Picking. <i>Robotics</i> , <b>2022</b> , 11, 46	2.8	3

23	Development of a 3D model based part recognition system for industrial applications: Main challenges <b>2015</b> ,		2
22	Increasing flexibility in footwear industrial cells <b>2014</b> ,		2
21	Applying Software Static Analysis to ROS: The Case Study of the FASTEN European Project. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 632-644	0.4	2
20	Part Alignment Identification and Adaptive Pick-and-Place Operation for Flat Surfaces. <i>Communications in Computer and Information Science</i> , <b>2013</b> , 203-212	0.3	2
19	On the development of a collaborative robotic system for industrial coating cells. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2020</b> , 115, 853	3.2	2
18	ROBIN: An open-source middleware for plug&produce of Cyber-Physical Systems. <i>International Journal of Advanced Robotic Systems</i> , <b>2020</b> , 17, 172988142091031	1.4	2
17	Soft Computing Optimization for the Biomass Supply Chain Operational Planning <b>2018</b> ,		2
16	Modeling of video projectors in OpenGL for implementing a spatial augmented reality teaching system for assembly operations <b>2019</b> ,		1
15	In Vitro Zinc-Air Battery Evaluation for Use in Intraoral Medical Devices. <i>Journal of Medical Devices, Transactions of the ASME</i> , <b>2014</b> , 8,	1.3	1
14	Evaluation of sensors and algorithms for person detection for personal robots <b>2013</b> ,		1
13	Gearing up and accelerating cross-fertilization between academic and industrial robotics research in Europe:. <i>Springer Tracts in Advanced Robotics</i> , <b>2014</b> ,	0.5	1
12	Recognizing Industrial Manipulated Parts Using the Perfect Match Algorithm. <i>Communications in Computer and Information Science</i> , <b>2013</b> , 146-157	0.3	1
11	Autonomous Scene Exploration for Robotics: A Conditional Random View-Sampling and Evaluation Using a Voxel-Sorting Mechanism for Efficient Ray Casting. <i>Sensors</i> , <b>2020</b> , 20,	3.8	1
10	Bridging Automation and Robotics: an Interprocess Communication between IEC 61131B and ROS <b>2018</b> ,		1
9	Predictive model based architecture for energy biomass supply chains tactical decisions * *This work was supported by the FCT - Funda para a Cincia e Tecnologia through the PhD Studentship SFRH/BD/98032/2013, program POPH - Programa Operacional Potencial Humano and FSE - Fundo Social Europeu... <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 7681-7686	0.7	
8	Poses Optimisation Methodology for High Redundancy Robotic Systems. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 668-679	0.4	
7	Landmark Detection for Docking Tasks. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 3-13	0.4	
6	Pose Invariant Object Recognition Using a Bag of Words Approach. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 153-164	0.4	

- 5 Autonomous Robot Navigation for Automotive Assembly Task: An Industry Use-Case. *Advances in Intelligent Systems and Computing*, **2020**, 645-656 0.4
- 4 A Hybrid Top-Down Bottom-Up Approach for the Detection of Cuboid Shaped Objects. *Lecture Notes in Computer Science*, **2016**, 512-520 0.9
- 3 The ECHORD Project: A General Perspective. *Springer Tracts in Advanced Robotics*, **2014**, 1-24 0.5
- 2 The ECHORD Project: A General Perspective. *Springer Tracts in Advanced Robotics*, **2014**, 1-24 0.5
- 1 A kinesthetic teaching approach for automating micropipetting repetitive tasks. *International Journal of Advanced Manufacturing Technology*,1 3.2