

# Paulo Jorge Sequeira Gonçalves

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

888  
citations

759055

12  
h-index

642610

23  
g-index

46  
all docs

46  
docs citations

46  
times ranked

775  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a core ontology for robotics and automation. <i>Robotics and Autonomous Systems</i> , 2013, 61, 1193-1204.	3.0	181
2	Applied ontologies and standards for service robots. <i>Robotics and Autonomous Systems</i> , 2013, 61, 1215-1223.	3.0	88
3	An IEEE standard Ontology for Robotics and Automation. , 2012, , .		72
4	A review and comparison of ontology-based approaches to robot autonomy. <i>Knowledge Engineering Review</i> , 2019, 34, .	2.1	58
5	Ontologies for Industry 4.0. <i>Knowledge Engineering Review</i> , 2019, 34, .	2.1	56
6	Toward a standard ontology of surgical process models. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 1397-1408.	1.7	54
7	Extensions to the core ontology for robotics and automation. <i>Robotics and Computer-Integrated Manufacturing</i> , 2015, 33, 3-11.	6.1	48
8	A Suite of Ontologies for Robotics and Automation [Industrial Activities]. <i>IEEE Robotics and Automation Magazine</i> , 2017, 24, 8-11.	2.2	44
9	Ontology for autonomous robotics. , 2017, , .		38
10	Uncalibrated Eye-to-Hand Visual Servoing Using Inverse Fuzzy Models. <i>IEEE Transactions on Fuzzy Systems</i> , 2008, 16, 341-353.	6.5	37
11	Requirements for building an ontology for autonomous robots. <i>Industrial Robot</i> , 2016, 43, 469-480.	1.2	35
12	Robotic Standard Development Life Cycle in Action. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2020, 98, 119-131.	2.0	24
13	A Vision System for Robotic Ultrasound Guided Orthopaedic Surgery. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2015, 77, 327-339.	2.0	18
14	Computational intelligence applied to discriminate bee pollen quality and botanical origin. <i>Food Chemistry</i> , 2018, 267, 36-42.	4.2	17
15	Defining positioning in a core ontology for robotics. , 2013, , .		16
16	Knowledge representation applied to robotic orthopedic surgery. <i>Robotics and Computer-Integrated Manufacturing</i> , 2015, 33, 90-99.	6.1	15
17	The First Global Ontological Standard for Ethically Driven Robotics and Automation Systems [Standards]. <i>IEEE Robotics and Automation Magazine</i> , 2021, 28, 120-124.	2.2	11
18	Towards a Robot Task Ontology Standard. , 2017, , .		10

#	ARTICLE	IF	CITATIONS
19	Intelligent Real-Time Fabric Defect Detection. Lecture Notes in Computer Science, 2007, , 1297-1307.	1.0	9
20	Robotic motion compensation for bone movement, using ultrasound images. Industrial Robot, 2015, 42, 466-474.	1.2	7
21	3D femur reconstruction using a robotized ultrasound probe. , 2012, , .		5
22	Approaches for Action Sequence Representation in Robotics: A Review. , 2018, , .		5
23	Computer Vision Intelligent Approaches to Extract Human Pose and Its Activity from Image Sequences. Electronics (Switzerland), 2020, 9, 159.	1.8	5
24	IEEE Standard for Autonomous Robotics Ontology [Standards]. IEEE Robotics and Automation Magazine, 2021, 28, 171-173.	2.2	5
25	Dynamic visual servoing of robotic manipulators. , 0, , .		4
26	An experimental testbed for visual servo control of robotic manipulators. , 0, , .		4
27	Robot ontologies for sensor- and Image-guided surgery. , 2013, , .		4
28	ROBIHO â€“ A Robot Companion for Elderly Peopleâ€™s Homes. Applied Mechanics and Materials, 0, 282, 158-161.	0.2	3
29	On the development and simulation of a robotic ultrasound guided system for orthopedic surgical procedures. , 2013, , .		3
30	Ontologies Applied to Surgical Robotics. Advances in Intelligent Systems and Computing, 2016, , 479-489.	0.5	3
31	Improving visual servoing using fuzzy filters. , 0, , .		2
32	Robotic System Navigation Developed for Hip Resurfacing Prosthesis Surgery. Mechanisms and Machine Science, 2018, , 173-183.	0.3	2
33	Evolving Fuzzy Modeling of an Uncalibrated Visual Servoing System. Lecture Notes in Computer Science, 2008, , 1041-1050.	1.0	1
34	<title>Automatic fabric inspection by machine-vision: applying simple algorithms</title>. , 2002, , .		1
35	Image Based Classification Platform. , 2013, , 595-613.		1
36	A Survey on Biomedical Knowledge Representation for Robotic Orthopaedic Surgery. Advances in Intelligent Systems and Computing, 2014, , 259-268.	0.5	1

#	ARTICLE	IF	CITATIONS
37	Nesting the context for pervasive robotics. , 2012, , .		0
38	Towards a software tool for ultrasound guided robotic hip resurfacing surgery. , 2013, , .		0
39	Towards a low-cost framework for Intelligent Robots. , 2014, , .		0
40	Towards Older Adults Cognitive and Emotional Stimulation via Robotic Cognitive Games. Social Sciences, 2019, 8, 298.	0.7	0
41	New Approach to the Open Loop Control for Surgical Robots Navigation. Lecture Notes in Electrical Engineering, 2015, , 627-636.	0.3	0
42	Knowledge and Capabilities Representation for Visually Guided Robotic Bin Picking. Advances in Intelligent Systems and Computing, 2020, , 429-440.	0.5	0
43	FUZZY MODEL BASED CONTROL APPLIED TO IMAGE-BASED VISUAL SERVOING. , 2006, , 81-88.		0
44	Planning robotic agent actions using semantic knowledge for a home environment. , 0, , .		0