

Paulo Jorge Sequeira Gonçalves

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6555229/publications.pdf>

Version: 2024-02-01

44
papers

888
citations

758635

12
h-index

642321

23
g-index

46
all docs

46
docs citations

46
times ranked

775
citing authors

#	ARTICLE	IF	CITATIONS
1	IEEE Standard for Autonomous Robotics Ontology [Standards]. IEEE Robotics and Automation Magazine, 2021, 28, 171-173.	2.2	5
2	The First Global Ontological Standard for Ethically Driven Robotics and Automation Systems [Standards]. IEEE Robotics and Automation Magazine, 2021, 28, 120-124.	2.2	11
3	Robotic Standard Development Life Cycle in Action. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 98, 119-131.	2.0	24
4	Computer Vision Intelligent Approaches to Extract Human Pose and Its Activity from Image Sequences. Electronics (Switzerland), 2020, 9, 159.	1.8	5
5	Knowledge and Capabilities Representation for Visually Guided Robotic Bin Picking. Advances in Intelligent Systems and Computing, 2020, , 429-440.	0.5	0
6	Towards Older Adults Cognitive and Emotional Stimulation via Robotic Cognitive Games. Social Sciences, 2019, 8, 298.	0.7	0
7	A review and comparison of ontology-based approaches to robot autonomy. Knowledge Engineering Review, 2019, 34, .	2.1	58
8	Ontologies for Industry 4.0. Knowledge Engineering Review, 2019, 34, .	2.1	56
9	Computational intelligence applied to discriminate bee pollen quality and botanical origin. Food Chemistry, 2018, 267, 36-42.	4.2	17
10	Robotic System Navigation Developed for Hip Resurfacing Prosthesis Surgery. Mechanisms and Machine Science, 2018, , 173-183.	0.3	2
11	Approaches for Action Sequence Representation in Robotics: A Review. , 2018, , .		5
12	Toward a standard ontology of surgical process models. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1397-1408.	1.7	54
13	A Suite of Ontologies for Robotics and Automation [Industrial Activities]. IEEE Robotics and Automation Magazine, 2017, 24, 8-11.	2.2	44
14	Towards a Robot Task Ontology Standard. , 2017, , .		10
15	Ontology for autonomous robotics. , 2017, , .		38
16	Requirements for building an ontology for autonomous robots. Industrial Robot, 2016, 43, 469-480.	1.2	35
17	Ontologies Applied to Surgical Robotics. Advances in Intelligent Systems and Computing, 2016, , 479-489.	0.5	3
18	Robotic motion compensation for bone movement, using ultrasound images. Industrial Robot, 2015, 42, 466-474.	1.2	7

#	ARTICLE	IF	CITATIONS
19	Extensions to the core ontology for robotics and automation. Robotics and Computer-Integrated Manufacturing, 2015, 33, 3-11.	6.1	48
20	Knowledge representation applied to robotic orthopedic surgery. Robotics and Computer-Integrated Manufacturing, 2015, 33, 90-99.	6.1	15
21	A Vision System for Robotic Ultrasound Guided Orthopaedic Surgery. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 77, 327-339.	2.0	18
22	New Approach to the Open Loop Control for Surgical Robots Navigation. Lecture Notes in Electrical Engineering, 2015, , 627-636.	0.3	0
23	Towards a low-cost framework for Intelligent Robots. , 2014, , .		0
24	A Survey on Biomedical Knowledge Representation for Robotic Orthopaedic Surgery. Advances in Intelligent Systems and Computing, 2014, , 259-268.	0.5	1
25	Applied ontologies and standards for service robots. Robotics and Autonomous Systems, 2013, 61, 1215-1223.	3.0	88
26	Robot ontologies for sensor- and Image-guided surgery. , 2013, , .		4
27	Towards a core ontology for robotics and automation. Robotics and Autonomous Systems, 2013, 61, 1193-1204.	3.0	181
28	On the development and simulation of a robotic ultrasound guided system for orthopedic surgical procedures. , 2013, , .		3
29	Towards a software tool for ultrasound guided robotic hip resurfacing surgery. , 2013, , .		0
30	Defining positioning in a core ontology for robotics. , 2013, , .		16
31	Image Based Classification Platform. , 2013, , 595-613.		1
32	Nesting the context for pervasive robotics. , 2012, , .		0
33	3D femur reconstruction using a robotized ultrasound probe. , 2012, , .		5
34	An IEEE standard Ontology for Robotics and Automation. , 2012, , .		72
35	Uncalibrated Eye-to-Hand Visual Servoing Using Inverse Fuzzy Models. IEEE Transactions on Fuzzy Systems, 2008, 16, 341-353.	6.5	37
36	Evolving Fuzzy Modeling of an Uncalibrated Visual Servoing System. Lecture Notes in Computer Science, 2008, , 1041-1050.	1.0	1

#	ARTICLE	IF	CITATIONS
37	Intelligent Real-Time Fabric Defect Detection. Lecture Notes in Computer Science, 2007, , 1297-1307.	1.0	9
38	FUZZY MODEL BASED CONTROL APPLIED TO IMAGE-BASED VISUAL SERVOING. , 2006, , 81-88.		0
39	<title>Automatic fabric inspection by machine-vision: applying simple algorithms</title>. , 2002, , .		1
40	Dynamic visual servoing of robotic manipulators. , 0, , .		4
41	An experimental testbed for visual servo control of robotic manipulators. , 0, , .		4
42	Improving visual servoing using fuzzy filters. , 0, , .		2
43	ROBIHO â€“ A Robot Companion for Elderly Peopleâ€™s Homes. Applied Mechanics and Materials, 0, 282, 158-161.	0.2	3
44	Planning robotic agent actions using semantic knowledge for a home environment. , 0, , .		0