

Raja Chatila

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1351605/raja-chatila-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

25
papers

2,035
citations

12
h-index

26
g-index

26
ext. papers

3,301
ext. citations

3.7
avg, IF

5.13
L-index

#	Paper	IF	Citations
25	Coping with the variability in humans reward during simulated human-robot interactions through the coordination of multiple learning strategies* 2020 ,		3
24	How to Reduce Computation Time While Sparing Performance During Robot Navigation? A Neuro-Inspired Architecture for Autonomous Shifting Between Model-Based and Model-Free Learning. <i>Lecture Notes in Computer Science</i> , 2020 , 68-79	0.9	2
23	Explainable Artificial Intelligence (XAI): Concepts, taxonomies, opportunities and challenges toward responsible AI. <i>Information Fusion</i> , 2020 , 58, 82-115	16.7	1210
22	Designing a Value-Driven Future for Ethical Autonomous and Intelligent Systems. <i>Proceedings of the IEEE</i> , 2019 , 107, 518-525	14.3	17
21	Unintended Consequences of Biased Robotic and Artificial Intelligence Systems [Ethical, Legal, and Societal Issues]. <i>IEEE Robotics and Automation Magazine</i> , 2019 , 26, 11-13	3.4	7
20	Affordance Equivalences in Robotics: A Formalism. <i>Frontiers in Neurorobotics</i> , 2018 , 12, 26	3.4	4
19	Toward Self-Aware Robots. <i>Frontiers in Robotics and AI</i> , 2018 , 5, 88	2.8	21
18	AI4People-An Ethical Framework for a Good AI Society: Opportunities, Risks, Principles, and Recommendations. <i>Minds and Machines</i> , 2018 , 28, 689-707	4.9	454
17	Ethics by Design 2018 ,		23
16	The IEEE Global Initiative for Ethical Considerations in Artificial Intelligence and Autonomous Systems [Standards]. <i>IEEE Robotics and Automation Magazine</i> , 2017 , 24, 110-110	3.4	27
15	SPENCER: A Socially Aware Service Robot for Passenger Guidance and Help in Busy Airports. <i>Springer Tracts in Advanced Robotics</i> , 2016 , 607-622	0.5	93
14	Robots learning how and where to approach people 2016 ,		25
13	Discovering affordances through perception and manipulation 2016 ,		3
12	Modeling the dynamics of individual behaviors for group detection in crowds using low-level features 2016 ,		5
11	Mimicking human push-recovery strategy based on five-mass with angular momentum model 2016 ,		2
10	Respective Advantages and Disadvantages of Model-based and Model-free Reinforcement Learning in a Robotics Neuro-inspired Cognitive Architecture. <i>Procedia Computer Science</i> , 2015 , 71, 178-184	16	7
9	2015 ,		5

8	Design of a Control Architecture for Habit Learning in Robots. <i>Lecture Notes in Computer Science</i> , 2014 , 249-260	0.9	10
7	Observable Formulation SLAM Implementation. <i>Lecture Notes in Control and Information Sciences</i> , 2009 , 339-348	0.5	1
6	Experiments with Simultaneous Environment Mapping and Multi-target Tracking 2008 , 201-210		2
5	The ExoMars rover and Pasteur payload Phase A study: an approach to experimental astrobiology. <i>International Journal of Astrobiology</i> , 2006 , 5, 221-241	1.4	28
4	Qualitative evaluation of computer vision algorithms in polar terrains. <i>Robotics and Autonomous Systems</i> , 2002 , 40, 139-149	3.5	3
3	Planetary exploration by a mobile robot: Mission teleprogramming and autonomous navigation. <i>Autonomous Robots</i> , 1995 , 2, 333-344	3	22
2	On autonomous navigation in a natural environment. <i>Robotics and Autonomous Systems</i> , 1995 , 16, 5-16	3.5	13
1	Deliberation and reactivity in autonomous mobile robots. <i>Robotics and Autonomous Systems</i> , 1995 , 16, 197-211	3.5	48