

# Jose Saenz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5146634/publications.pdf>

Version: 2024-02-01

20  
papers

249  
citations

1307594

7  
h-index

1474206

9  
g-index

20  
all docs

20  
docs citations

20  
times ranked

218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Validating Safety in Human-Robot Collaboration: Standards and New Perspectives. Robotics, 2021, 10, 65.	3.5	41
2	Mobile manipulator is coming to aerospace manufacturing industry. , 2014, , .		37
3	Survey of methods for design of collaborative robotics applications- Why safety is a barrier to more widespread robotics uptake. , 2018, , .		35
4	Methods for considering safety in design of robotics applications featuring human-robot collaboration. International Journal of Advanced Manufacturing Technology, 2020, 107, 2313-2331.	3.0	32
5	Design considerations of robotic system for cleaning and inspection of large-diameter sewers. Journal of Field Robotics, 2012, 29, 186-214.	6.0	18
6	A large scale tactile sensor for safe mobile robot manipulation. , 2016, , .		12
7	Safeguarding Collaborative Mobile Manipulators - Evaluation of the VALERI Workspace Monitoring System. Procedia Manufacturing, 2017, 11, 47-54.	1.9	12
8	Fully Automatic Inspection Systems for Large Underground Concrete Pipes Partially Filled with Wastewater. , 2006, , .		10
9	Development of Fully Automatic Inspection Systems for Large Underground Concrete Pipes Partially Filled with Wastewater. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	10
10	Robotic systems for cleaning and inspection of large concrete pipes. , 2010, , .		10
11	Analysis of Interlaboratory Safety Related Tests in Power and Force Limited Collaborative Robots. IEEE Access, 2021, 9, 80873-80882.	4.2	9
12	COVR - Towards Simplified Evaluation and Validation of Collaborative Robotics Applications Across a Wide Range of Domains Based on Robot Safety Skills. Biosystems and Biorobotics, 2019, , 123-126.	0.3	9
13	Novel Approach Using Risk Analysis Component to Continuously Update Collaborative Robotics Applications in the Smart, Connected Factory Model. Applied Sciences (Switzerland), 2022, 12, 5639.	2.5	4
14	Design of a Collaborative Modular End Effector Considering Human Values and Safety Requirements for Industrial Use Cases. Springer Proceedings in Advanced Robotics, 2022, , 45-60.	1.3	3
15	VALERI - A COLLABORATIVE MOBILE MANIPULATOR FOR AEROSPACE PRODUCTION. , 2016, , 186-195.		2
16	A Tactile Sensor with Cushioning Elements for Enhanced Safety in Human Robot Interaction. , 2010, , .		2
17	COVR Toolkit - Supporting safety of interactive robotics applications. , 2021, , .		2
18	Discussion of using Machine Learning for Safety Purposes in Human Detection. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	Application of visual odometry for sewer inspection robots. , 2008, , .		0
20	Experiences in applying a new approach to designing safe HRC applications. , 2021, , .		0