

# Max Schwarz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7153681/publications.pdf>

Version: 2024-02-01

22  
papers

705  
citations

1163117  
8  
h-index

1588992  
8  
g-index

22  
all docs

22  
docs citations

22  
times ranked

729  
citing authors

#	ARTICLE	IF	CITATIONS
1	NimbRo Rescue: Solving Disaster Response Tasks with the Mobile Manipulation Robot Momaro. Journal of Field Robotics, 2017, 34, 400-425.	6.0	109
2	RGB-D object detection and semantic segmentation for autonomous manipulation in clutter. International Journal of Robotics Research, 2018, 37, 437-451.	8.5	105
3	Continuous mapping and localization for autonomous navigation in rough terrain using a 3D laser scanner. Robotics and Autonomous Systems, 2017, 88, 104-115.	5.1	77
4	Fast Object Learning and Dual-arm Coordination for Cluttered Stowing, Picking, and Packing. , 2018, , .		55
5	A VR System for Immersive Teleoperation and Live Exploration with a Mobile Robot. , 2019, , .		54
6	Remote mobile manipulation with the centauro robot: Full-body telepresence and autonomous operator assistance. Journal of Field Robotics, 2020, 37, 889-919.	6.0	48
7	Supervised Autonomous Locomotion and Manipulation for Disaster Response with a Centaur-Like Robot. , 2018, , .		41
8	Hybrid driving-stepping locomotion with the wheeled-legged robot Momaro. , 2016, , .		35
9	NimbRo Explorer: Semiautonomous Exploration and Mobile Manipulation in Rough Terrain. Journal of Field Robotics, 2016, 33, 411-430.	6.0	26
10	Intuitive bimanual telemanipulation under communication restrictions by immersive 3D visualization and motion tracking. , 2015, , .		25
11	NimbRo Avatar: Interactive Immersive Telepresence with Force-Feedback Telemanipulation. , 2021, , .		25
12	Supervised Autonomy for Exploration and Mobile Manipulation in Rough Terrain with a Centaur-Like Robot. Frontiers in Robotics and AI, 2016, 3, .	3.2	23
13	Mobile Manipulation, Tool Use, and Intuitive Interaction for Cognitive Service Robot Cosero. Frontiers in Robotics and AI, 2016, 3, .	3.2	20
14	Autonomous Fire Fighting with a UAV-UGV Team at MBZIRC 2020. , 2021, , .		16
15	Refining 6D Object Pose Predictions using Abstract Render-and-Compare. , 2019, , .		10
16	Team NimbRo at MBZIRC 2017: Autonomous valve stem turning using a wrench. Journal of Field Robotics, 2019, 36, 170-182.	6.0	10
17	Low-Latency Immersive 6D Televisualization with Spherical Rendering. , 2021, , .		9
18	Autonomous Dual-Arm Manipulation of Familiar Objects. , 2018, , .		8

#	ARTICLE	IF	CITATIONS
19	Autonomous Bimanual Functional Regrasping of Novel Object Class Instances. , 2019, , .		4
20	Autonomous Wall Building with a UGV- UAV Team at MBZIRC 2020. , 2020, , .		4
21	Target Chase, Wall Building, and Fire Fighting: Autonomous UAVs of Team NimbRo at MBZIRC 2020. , 2022, 2, 807-842.		1
22	Autonomous Wall-building and Firefighting: Team NimbRoâ€™s UGV Solution for MBZIRC 2020. , 2022, 2, 55-74.		0