Aljaz Kramberger

List of Publications by Year
in descending order

25	399	1040056 9	1281871 11
papers	citations	h-index	g-index

26	26	26	314
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solving peg-in-hole tasks by human demonstration and exception strategies. Industrial Robot, 2014, 41, 575-584.	2.1	52
2	Teaching a Robot the Semantics of Assembly Tasks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 670-692.	9.3	46
3	Generalization of orientation trajectories and force-torque profiles for robotic assembly. Robotics and Autonomous Systems, 2017, 98, 333-346.	5.1	44
4	Smart hardware integration with advanced robot programming technologies for efficient reconfiguration of robot workcells. Robotics and Computer-Integrated Manufacturing, 2020, 66, 101979.	9.9	39
5	Adapting to contacts: Energy tanks and task energy for passivity-based dynamic movement primitives. , 2017, , .		33
6	Design and assembly automation of the Robotic Reversible Timber Beam. Automation in Construction, 2021, 123, 103531.	9.8	30
7	Robotic Assembly of Timber Structures in a Human-Robot Collaboration Setup. Frontiers in Robotics and AI, 2021, 8, 768038.	3.2	23
8	Technologies for the Fast Set-Up of Automated Assembly Processes. KI - Kunstliche Intelligenz, 2014, 28, 305-313.	3.2	17
9	Passivity Based Iterative Learning of Admittance-Coupled Dynamic Movement Primitives for Interaction with Changing Environments. , 2018, , .		16
10	Design, simulation and robotic assembly of reversible timber structures. Construction Robotics, 2021, 5, 13-22.	2.2	16
11	Learning of assembly constraints by demonstration and active exploration. Industrial Robot, 2016, 43, 524-534.	2.1	15
12	Pneumatic-Mechanical Systems in UAVs: Autonomous Power Line Sensor Unit Deployment. , 2021, , .		11
13	Transfer of contact skills to new environmental conditions. , 2016, , .		8
14	Compensating Pose Uncertainties through Appropriate Gripper Finger Cutouts. Acta Mechanica Et Automatica, 2018, 12, 78-83.	0.6	8
15	Towards Reversible Dynamic Movement Primitives. , 2019, , .		7
16	Towards robot cell matrices for agile production â€“ SDU Robotics' assembly cell at the WRC 2018. Advanced Robotics, 0, , 1-17.	1.8	6
17	Generalization of orientational motion in unit quaternion space. , 2016, , .		5
18	Combined Optimization of Gripper Finger Design and Pose Estimation Processes for Advanced Industrial Assembly. , 2019, , .		4

#	Article	IF	Citations
19	Adapting Learning by Demonstration for Robot Based Part Feeding Applications. , 2020, , .		4
20	Quick Setup of Force-Controlled Industrial Gluing Tasks Using Learning From Demonstration. Frontiers in Robotics and AI, 2021, 8, 767878.	3.2	4
21	A comparison of learning-by-demonstration methods for force-based robot skills. , 2014, , .		3
22	Multi-view object pose distribution tracking for pre-grasp planning on mobile robots. , 2022, , .		3
23	Towards easy setup of robotic assembly tasks. Advanced Robotics, 0, , 1-15.	1.8	2
24	Vision-less Bin-Picking for Small Parts Feeding. , 2019, , .		2
25	Optimizing grippers for compensating pose uncertainties by dynamic simulation. , 2016, , .		1