Nikolaus Vahrenkamp

List of Publications by Year
in descending order

13 papers	366 citations	1937685 4 h-index	2053705 5 g-index
13 all docs	13 docs citations	13 times ranked	386 citing authors

#	Article	IF	Citations
1	The KIT whole-body human motion database. , 2015, , .		120
2	Unifying Representations and Large-Scale Whole-Body Motion Databases for Studying Human Motion. IEEE Transactions on Robotics, 2016, 32, 796-809.	10.3	77
3	The robot software framework ArmarX. IT - Information Technology, 2015, 57, 99-111.	0.9	38
4	Workspace analysis for planning human-robot interaction tasks. , 2016, , .		28
5	Extracting whole-body affordances from multimodal exploration. , 2014, , .		19
6	Heuristic 3D object shape completion based on symmetry and scene context. , 2016, , .		16
7	Planning High-Quality Grasps Using Mean Curvature Object Skeletons. IEEE Robotics and Automation Letters, 2018, 3, 911-918.	5.1	16
8	IK-Map: An enhanced workspace representation to support inverse kinematics solvers. , 2015, , .		15
9	Extraction of Whole-Body Affordances for Loco-Manipulation Tasks. International Journal of Humanoid Robotics, 2015, 12, 1550031.	1.1	14
10	A combined approach for robot placement and coverage path planning for mobile manipulation. , 2017, , .		14
11	Distance-Aware Dynamically Weighted Roadmaps for Motion Planning in Unknown Environments. IEEE Robotics and Automation Letters, 2018, 3, 2016-2023.	5.1	5
12	Resource-aware motion planning. , 2016, , .		4
13	EVALUATING AND OPTIMIZING COMPONENT-BASED ROBOT ARCHITECTURES USING NETWORK SIMULATION. , 2018, , .		0