Simon BÃ¸gh

List of Publications by Year
in descending order

28 papers	1,091 citations	687363 13 h-index	713466 21 g-index
28 all docs	28 docs citations	28 times ranked	862 citing authors

#	Article	IF	Citations
1	Robot skills for manufacturing: From concept to industrial deployment. Robotics and Computer-Integrated Manufacturing, 2016, 37, 282-291.	9.9	300
2	Artificial intelligence and internet of things in small and medium-sized enterprises: A survey. Journal of Manufacturing Systems, 2021, 58, 362-372.	13.9	151
3	Skill-based instruction of collaborative robots in industrial settings. Robotics and Computer-Integrated Manufacturing, 2018, 53, 72-80.	9.9	96
4	Autonomous industrial mobile manipulation (AIMM): past, present and future. Industrial Robot, 2012, 39, 120-135.	2.1	95
5	A Skill-based Robot Co-worker for Industrial Maintenance Tasks. Procedia Manufacturing, 2017, 11, 83-90.	1.9	57
6	Integration of mobile manipulators in an industrial production. Industrial Robot, 2015, 42, 11-18.	2.1	49
7	â€œLittle Helperâ€•â€" An Autonomous Industrial Mobile Manipulator Concept. International Journal of Advanced Robotic Systems, 2011, 8, 15.	2.1	40
8	Human-robot interface for instructing industrial tasks using kinesthetic teaching. , 2013, , .		39
9	Identifying and evaluating suitable tasks for autonomous industrial mobile manipulators (AIMM). International Journal of Advanced Manufacturing Technology, 2012, 61, 713-726.	3.0	37
10	Integration of a Skill-based Collaborative Mobile Robot in a Smart Cyber-physical Environment. Procedia Manufacturing, 2017, 11, 114-123.	1.9	37
11	A Dual-arm Collaborative Robot System for the Smart Factories of the Future. Procedia Manufacturing, 2019, 38, 333-340.	1.9	36
12	The mobile robot â€œLittle Helperâ€• Concepts, ideas and working principles. , 2009, , .		21
13	Multiple part feeding â€" realâ€world application for mobile manipulators. Assembly Automation, 2012, 32, 62-71.	1.7	20
14	Self-learning Processes in Smart Factories: Deep Reinforcement Learning for Process Control of Robot Brine Injection. Procedia Manufacturing, 2019, 38, 171-177.	1.9	14
15	Intuitive task programming of stud welding robots for ship construction. , 2015, , .		13
16	Towards a Robot Simulation Framework for E-waste Disassembly Using Reinforcement Learning. Procedia Manufacturing, 2019, 38, 225-232.	1.9	13
17	Concept of easy-to-use versatile artificial intelligence in industrial small & medium-sized enterprises. Procedia Manufacturing, 2020, 51, 1146-1152.	1.9	13
18	Task space HRI for cooperative mobile robots in fit-out operations inside ship superstructures. , 2016, , .		12

#	Article	IF	Citations
19	Mixed Reality Interface for Improving Mobile Manipulator Teleoperation in Contamination Critical Applications. Procedia Manufacturing, 2020, 51, 620-626.	1.9	9
20	Towards a Collaborative Omnidirectional Mobile Robot in a Smart Cyber-Physical Environment. Procedia Manufacturing, 2020, 51, 193-200.	1.9	7
21	Deep Reinforcement Learning for Robot Batching Optimization and Flow Control. Procedia Manufacturing, 2020, 51, 1462-1468.	1.9	7
22	Modelling and Scheduling Autonomous Mobile Robot for a Real-World Industrial Application. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 2098-2103.	0.4	5
23	Control of HVAC-systems with Slow Thermodynamic Using Reinforcement Learning. Procedia Manufacturing, 2019, 38, 1308-1315.	1.9	5
24	Transferring Human Manipulation Knowledge to Robots with Inverse Reinforcement Learning. , 2020, , .		5
25	Learning and generalising object extraction skill for contact-rich disassembly tasks: an introductory study. International Journal of Advanced Manufacturing Technology, 2023, 124, 3171-3183.	3.0	5
26	A Multi-Agent Reinforcement Learning Approach to Price and Comfort Optimization in HVAC-Systems. Energies, 2021, 14, 7491.	3.1	4
27	Control of HVAC-Systems Using Reinforcement Learning With Hysteresis and Tolerance Control. , 2020, , .		1
28	A New Authentic Cloud Dataset from a Production Facility for Anomaly Detection. Lecture Notes in Mechanical Engineering, 2022, , 415-422.	0.4	0