

# Robert Bohlin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9626371/publications.pdf>

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1307594

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docs citations

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times ranked

183  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic assembly path planning for wiring harness installations. Journal of Manufacturing Systems, 2013, 32, 417-422.	13.9	69
2	Optimal Robot Placement for Tasks Execution. Procedia CIRP, 2016, 44, 395-400.	1.9	30
3	Non-nominal path planning for robust robotic assembly. Journal of Manufacturing Systems, 2013, 32, 429-435.	13.9	19
4	Intersection-Free Geometrical Partitioning of Multirobot Stations for Cycle Time Optimization. IEEE Transactions on Automation Science and Engineering, 2018, 15, 842-851.	5.2	17
5	Coordination of robot paths for cycle time minimization. , 2013, , .		14
6	Towards Energy Optimization Using Trajectory Smoothing and Automatic Code Generation for Robotic Assembly. Procedia CIRP, 2016, 44, 341-346.	1.9	10
7	Automatic Creation of Manikin Motions Affected by Cable Forces. Procedia CIRP, 2014, 23, 35-40.	1.9	9
8	Using a Formal High-level Language to Instruct Manikins to Assemble Cables. Procedia CIRP, 2014, 23, 29-34.	1.9	7
9	Enhancing Digital Human Motion Planning of Assembly Tasks Through Dynamics and Optimal Control. Procedia CIRP, 2016, 44, 20-25.	1.9	7
10	Continuous Collision Detection of Pairs of Robot Motions Under Velocity Uncertainty. IEEE Transactions on Robotics, 2021, 37, 1780-1791.	10.3	7
11	Robot Station Optimization for Minimizing Dress Pack Problems. Procedia CIRP, 2016, 44, 389-394.	1.9	6
12	Modeling and optimization of implementation aspects in industrial robot coordination. Robotics and Computer-Integrated Manufacturing, 2021, 69, 102097.	9.9	6
13	Efficient Sequencing of Industrial Robots through Optimal Control. Procedia CIRP, 2014, 23, 194-199.	1.9	5
14	On motion planning for narrow-clearance assemblies using virtual manikins. Procedia CIRP, 2018, 72, 790-795.	1.9	5
15	A novel tool for optimization and verification of layout and human logistics in digital factories. Procedia CIRP, 2018, 72, 545-550.	1.9	4