

Mohamed W Mehrez

List of Publications by Year in descending order

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12
papers

216
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1307543

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1588975

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175
citing authors

#	ARTICLE	IF	CITATIONS
1	Model Predictive Control of Nonholonomic Mobile Robots Without Stabilizing Constraints and Costs. IEEE Transactions on Control Systems Technology, 2016, 24, 1394-1406.	5.2	86
2	Model Predictive Control without terminal constraints or costs for holonomic mobile robots. Robotics and Autonomous Systems, 2020, 127, 103468.	5.1	24
3	An Optimization Based Approach for Relative Localization and Relative Tracking Control in Multi-Robot Systems. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 85, 385-408.	3.4	21
4	Predictive Path Following of Mobile Robots without Terminal Stabilizing Constraints **Authors M.W.M., T.F., and K.W. are supported by the Deutsche Forschungsgemeinschaft, Grants WO 2056/1 and WO 2056/4-1. Authors M.W.M., G.K.I.M., and R.G.G. are supported by Natural Sciences and Engineering Research Council of Canada (NSERC), the Research and Development Corporation (RDC), C-CORE J.I. Clark Chair, and Memorial University of Newfoundland.. IFAC-PapersOnLine, 2017, 50, 9852-9857.	0.9	18
5	Interaction of open and closed loop control in MPC. Automatica, 2017, 82, 243-250.	5.0	16
6	Stabilizing NMPC of wheeled mobile robots using open-source real-time software. , 2013, , .		15
7	A generic multi-sensor fusion scheme for localization of autonomous platforms using moving horizon estimation. Transactions of the Institute of Measurement and Control, 2021, 43, 3413-3427.	1.7	11
8	Occupancy grid based distributed MPC for mobile robots. , 2017, , .		10
9	Differential communication with distributed MPC based on occupancy grid. Information Sciences, 2018, 453, 426-441.	6.9	8
10	Nonlinear moving horizon state estimation for multi-robot relative localization. , 2014, , .		6
11	Dynamic-priority-based DMPC with an occupancy grid for mobile systems. International Journal of Control, 2020, , 1-15.	1.9	1
12	Experimental Speedup and Stability Validation for Multi-Step MPC **M.W. Mehrez, K. Worthmann, and J. Pannek are supported by the Deutsche Forschungsgemeinschaft, Grant WO 2056/1-1 and WO 2056/4-1. M.W. Mehrez, G.K.I. Mann, and R.G. Gosine are supported by Natural Sciences and Engineering Research Council of Canada (NSERC), the Research and Development Corporation (RDC), C-CORE J.I. Clark Chair, and Memorial University of Newfoundland.. IFAC-PapersOnLine, 2017, 50, 8698-8703.	0.9	0