

Dominic Liao-McPherson

List of Publications by Year in descending order

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19
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211
citing authors

#	ARTICLE	IF	CITATIONS
1	Cabin and Battery Thermal Management of Connected and Automated HEVs for Improved Energy Efficiency Using Hierarchical Model Predictive Control. IEEE Transactions on Control Systems Technology, 2020, 28, 1711-1726.	5.2	89
2	Time-distributed optimization for real-time model predictive control: Stability, robustness, and constraint satisfaction. Automatica, 2020, 117, 108973.	5.0	42
3	Embedding Constrained Model Predictive Control in a Continuous-Time Dynamic Feedback. IEEE Transactions on Automatic Control, 2019, 64, 1932-1946.	5.7	30
4	A Regularized and Smoothed Fischer-Burmeister Method for Quadratic Programming With Applications to Model Predictive Control. IEEE Transactions on Automatic Control, 2019, 64, 2937-2944.	5.7	29
5	Spacecraft Attitude Control With Nonconvex Constraints: An Explicit Reference Governor Approach. IEEE Transactions on Automatic Control, 2020, 65, 3677-3684.	5.7	19
6	Model predictive emissions control of a diesel engine airpath: Design and experimental evaluation. International Journal of Robust and Nonlinear Control, 2020, 30, 7446-7477.	3.7	19
7	FBstab: A proximally stabilized semismooth algorithm for convex quadratic programming. Automatica, 2020, 113, 108801.	5.0	18
8	Model Predictive Control Strategies for Constrained Soft Landing on an Asteroid. , 2016, , .		17
9	A cascaded economic model predictive control strategy for a diesel engine using a non-uniform prediction horizon discretization. , 2017, , .		11
10	An Analysis of Closed-Loop Stability for Linear Model Predictive Control Based on Time-Distributed Optimization. IEEE Transactions on Automatic Control, 2022, 67, 2618-2625.	5.7	9
11	A Semismooth Predictor Corrector Method for Real-Time Constrained Parametric Optimization with Applications in Model Predictive Control. , 2018, , .		7
12	On Robustness in Optimization-Based Constrained Iterative Learning Control. , 2022, 6, 2846-2851.		6
13	Toward Real-Time Automotive Model Predictive Control: A Perspective from a Diesel Air Path Control Development. , 2018, , .		5
14	A Feasibility Governor for Enlarging the Region of Attraction of Linear Model Predictive Controllers. IEEE Transactions on Automatic Control, 2022, 67, 5501-5508.	5.7	5
15	Sensitivity-Based Warmstarting for Nonlinear Model Predictive Control With Polyhedral State and Control Constraints. IEEE Transactions on Automatic Control, 2020, 65, 4288-4294.	5.7	3
16	Dynamic Programming Through the Lens of Semismooth Newton-Type Methods. , 2022, 6, 2996-3001.		3
17	The FBstab Quadratic Programming Method Applied to Model Predictive Control: An Implicit Condensing Approach. , 2019, , .		2
18	Feasibility Governor for Linear Model Predictive Control. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	Model-Predictive Spiral and Spin Upset Recovery Control for the Generic Transport Model Simulation. , 2020, , .		1