

Milan Korda

List of Publications by Year in descending order

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papers

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759233

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834
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatio-Temporal Decomposition of Sum-of-Squares Programs for the Region of Attraction and Reachability. , 2022, 6, 812-817.		5
2	Stability and Performance Verification of Dynamical Systems Controlled by Neural Networks: Algorithms and Complexity. , 2022, 6, 3265-3270.		4
3	Convex Computation of Extremal Invariant Measures of Nonlinear Dynamical Systems and Markov Processes. Journal of Nonlinear Science, 2021, 31, 1.	2.1	8
4	Converging outer approximations to global attractors using semidefinite programming. Automatica, 2021, 134, 109900.	5.0	10
5	Data-driven spectral analysis of the Koopman operator. Applied and Computational Harmonic Analysis, 2020, 48, 599-629.	2.2	63
6	Computing Controlled Invariant Sets from Data Using Convex Optimization. SIAM Journal on Control and Optimization, 2020, 58, 2871-2899.	2.1	7
7	Optimal Construction of Koopman Eigenfunctions for Prediction and Control. IEEE Transactions on Automatic Control, 2020, 65, 5114-5129.	5.7	69
8	Koopman Model Predictive Control of Nonlinear Dynamical Systems. Lecture Notes in Control and Information Sciences, 2020, , 235-255.	1.0	6
9	Model Predictive Control of a Vehicle using Koopman Operator. IFAC-PapersOnLine, 2020, 53, 4228-4233.	0.9	12
10	Application of Koopman-Based Control in Ultrahigh-Precision Positioning. Lecture Notes in Control and Information Sciences, 2020, , 451-479.	1.0	1
11	Real-Time Implementation of Explicit Model Predictive Control. Control Engineering, 2019, , 387-412.	0.3	3
12	On Convergence of Extended Dynamic Mode Decomposition to the Koopman Operator. Journal of Nonlinear Science, 2018, 28, 687-710.	2.1	196
13	Linear predictors for nonlinear dynamical systems: Koopman operator meets model predictive control. Automatica, 2018, 93, 149-160.	5.0	498
14	Convergence rates of moment-sum-of-squares hierarchies for volume approximation of semialgebraic sets. Optimization Letters, 2018, 12, 435-442.	1.6	5
15	A Data-Driven Koopman Model Predictive Control Framework for Nonlinear Partial Differential Equations. , 2018, , .		56
16	Power grid transient stabilization using Koopman model predictive control. IFAC-PapersOnLine, 2018, 51, 297-302.	0.9	46
17	Convergence rates of moment-sum-of-squares hierarchies for optimal control problems. Systems and Control Letters, 2017, 100, 1-5.	2.3	12
18	Stability and performance verification of optimization-based controllers. Automatica, 2017, 78, 34-45.	5.0	13

#	ARTICLE	IF	CITATIONS
19	On turnpike and dissipativity properties of continuous-time optimal control problems. Automatica, 2017, 81, 297-304.	5.0	81
20	Solving the Infinite-Horizon Constrained LQR Problem Using Accelerated Dual Proximal Methods. IEEE Transactions on Automatic Control, 2017, 62, 1752-1767.	5.7	10
21	Control of nonlinear systems with explicit-MPC-like controllers. , 2017, , .		5
22	Controller design and value function approximation for nonlinear dynamical systems. Automatica, 2016, 67, 54-66.	5.0	16
23	Stochastic MPC Framework for Controlling the Average Constraint Violation. IEEE Transactions on Automatic Control, 2014, 59, 1706-1721.	5.7	42
24	Convex Computation of the Region of Attraction of Polynomial Control Systems. IEEE Transactions on Automatic Control, 2014, 59, 297-312.	5.7	196
25	Convex Computation of the Maximum Controlled Invariant Set For Polynomial Control Systems. SIAM Journal on Control and Optimization, 2014, 52, 2944-2969.	2.1	91
26	Turnpike and dissipativity properties in dynamic real-time optimization and economic MPC. , 2014, , .		28
27	Inner approximations of the region of attraction for polynomial dynamical systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 534-539.	0.4	39
28	On 1-norm stochastic optimal control with bounded control inputs. , 2011, , .		2
29	Strongly feasible stochastic model predictive control. , 2011, , .		30