

Yasuaki Oishi

List of Publications by Year in descending order

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all docs

34
docs citations

34
times ranked

265
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear Optimal Tracking Control for a Periodic Reference Signal. Transactions of the Society of Instrument and Control Engineers, 2020, 56, 243-248.	0.2	0
2	Realization of Sparse Control Using the Model Predictive Control Scheme. Transactions of the Society of Instrument and Control Engineers, 2020, 56, 74-80.	0.2	3
3	Maintenance of the Halo Orbit for a Spacecraft Using Discrete-time Optimal Control. Transactions of the Society of Instrument and Control Engineers, 2018, 54, 247-252.	0.2	0
4	Design of a Dynamic Quantizer for a Nonlinear System. Transactions of the Society of Instrument and Control Engineers, 2016, 52, 53-59.	0.2	0
5	Robustification of a Nonlinear Dynamical System with a Stability Index and a Matrix Inequality. SICE Journal of Control Measurement and System Integration, 2015, 8, 209-213.	0.7	0
6	Validated discretization and robust controller design for nonlinear sampled-data control. , 2015, , .		0
7	Use of a Matrix Inequality Technique for Avoiding Undesirable Bifurcation. Mathematics for Industry, 2015, , 33-40.	0.4	1
8	Simplified approaches to polynomial design of model predictive controllers. , 2013, , .		4
9	Robust semidefinite programming problems with general nonlinear parameter dependence: Approaches using the DC-representations. Automatica, 2012, 48, 2937-2944.	5.0	0
10	Robust Semidefinite Programming Problems with General Nonlinear Parameter Dependence: Application of the DC-Representations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7939-7944.	0.4	0
11	Stability and stabilization of aperiodic sampled-data control systems using robust linear matrix inequalities. Automatica, 2010, 46, 1327-1333.	5.0	138
12	Passivity degradation under the discretization with the zero-order hold and the ideal sampler. , 2010, , .		31
13	A Matrix-Dilation Approach to Robust Semidefinite Programming and Its Error Bound. SICE Journal of Control Measurement and System Integration, 2010, 3, 372-380.	0.7	5
14	Stability and stabilization of aperiodic sampled-data control systems: An approach using robust linear matrix inequalities. , 2009, , .		27
15	A Region-Dividing Technique for Constructing the Sum-of-Squares Approximations to Robust Semidefinite Programs. IEEE Transactions on Automatic Control, 2009, 54, 1029-1035.	5.7	7
16	EXPLOITING SPARSITY IN THE MATRIX-DILATION APPROACH TO ROBUST SEMIDEFINITE PROGRAMMING. Journal of the Operations Research Society of Japan, 2009, 52, 321-338.	0.2	4
17	Gain-scheduled Control of a Crane Using the Sum-of-squares Technique. Transactions of the Society of Instrument and Control Engineers, 2009, 45, 208-214.	0.2	2
18	Switching Control of a Constrained Nonlinear System:. Transactions of the Society of Instrument and Control Engineers, 2009, 45, 113-119.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Mixed Deterministic/Randomized Methods for Fixed Order Controller Design. IEEE Transactions on Automatic Control, 2008, 53, 2033-2047.	5.7	35
20	Asymptotic exactness of parameter-dependent lyapunov functions: An error bound and exactness verification. , 2007, , .		3
21	A region-dividing technique for constructing the sum-of-squares approximations to robust semidefinite programs. , 2007, , .		2
22	Exploiting Sparsity in the Matrix-Dilation Approach to Robust Semidefinite Programming. Proceedings of the American Control Conference, 2007, , .	0.0	6
23	Guaranteed cost regulator design: A probabilistic solution and a randomized algorithm. Automatica, 2007, 43, 317-324.	5.0	27
24	Polynomial-time algorithms for probabilistic solutions of parameter-dependent linear matrix inequalities. Automatica, 2007, 43, 538-545.	5.0	60
25	Probabilistic Design of a Robust Controller Using a Parameter-Dependent Lyapunov Function. , 2006, , 303-316.		6
26	Analysis and Synthesis of Control Systems Rationally Dependent on Uncertain Parameters. Transactions of the Society of Instrument and Control Engineers, 2005, 41, 314-321.	0.2	5
27	Stabilizability and Stabilization of Stochastically Time-Varying Systems. Transactions of the Society of Instrument and Control Engineers, 2005, 41, 118-125.	0.2	0
28	Probabilistic model-set identification not assuming plant linearity. International Journal of Robust and Nonlinear Control, 2004, 14, 971-981.	3.7	1
29	Computational complexity of randomized algorithms for solving parameter-dependent linear matrix inequalities. Automatica, 2003, 39, 2149-2156.	5.0	20
30	An Algorithm to Compute the Admissible Parameter Region of a Single-Layered Perceptron. Transactions of the Society of Instrument and Control Engineers, 2000, 36, 622-624.	0.2	0
31	On the Closed-Loop Structure of H^∞ Control Systems. Transactions of the Society of Instrument and Control Engineers, 2000, 36, 1093-1100.	0.2	0
32	Identification of a Model Set and Its Performance Analysis Based on Diameters. Transactions of the Society of Instrument and Control Engineers, 1998, 34, 1005-1012.	0.2	0
33	A bound of conservativeness in sampled-data robust stabilization and its dependence on sampling periods. Systems and Control Letters, 1997, 32, 11-19.	2.3	11
34	Computation-oriented expression of a non-conservative condition for robust stability of sampled-data systems. International Journal of Control, 1995, 62, 1085-1104.	1.9	6