

Nicole Gehring

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Flatness-Based Output Feedback Tracking Control of a Hyperbolic Distributed-Parameter System. , 2022, 6, 992-997.		6
2	Tracking Control for 2×2 Linear Heterodirectional Hyperbolic PDEs that Are Bidirectionally Coupled with Nonlinear ODEs. Advances in Delays and Dynamics, 2022, , 117-142.	0.4	1
3	A Systematic Backstepping Design of Tracking Controllers for ODE-PDE-ODE Systems with Nonlinear Actuator Dynamics. Advances in Delays and Dynamics, 2022, , 171-196.	0.4	1
4	Output Feedback Control of Coupled Linear Parabolic ODE-PDE-ODE Systems. IEEE Transactions on Automatic Control, 2021, 66, 4668-4683.	5.7	11
5	Observer design for 2×2 linear hyperbolic PDEs that are bidirectionally coupled with nonlinear ODEs. , 2021, , .		3
6	Ein systematischer Backstepping-Zugang zur Regelung gekoppelter ODE-PDE-ODE-Systeme. Automatisierungstechnik, 2020, 68, 654-666.	0.8	2
7	Output feedback control of general linear heterodirectional hyperbolic PDE-ODE systems with spatially-varying coefficients. International Journal of Control, 2019, 92, 2274-2290.	1.9	27
8	Fractional-order model identification for state of health assessment of solid-oxide fuel cells. IFAC-PapersOnLine, 2018, 51, 849-854.	0.9	5
9	Flatness-based tracking control for a pneumatic system with distributed parameters. IFAC-PapersOnLine, 2018, 51, 487-492.	0.9	2
10	Output feedback control of general linear heterodirectional hyperbolic ODE-PDE-ODE systems. Automatica, 2018, 95, 472-480.	5.0	54
11	An Algebraic Approach to the Identification of Linear Systems with Fractional Derivatives. IFAC-PapersOnLine, 2017, 50, 6214-6219.	0.9	9
12	Tracking control for a long pneumatic transmission line. , 2017, , .		1
13	Backstepping Control of Linear 2×2 Hyperbolic Systems with Dynamic Boundary Conditions. IFAC-PapersOnLine, 2017, 50, 4522-4527.	0.9	10
14	Parameter identification, fault detection and localization for an electrical transmission line. , 2016, , .		5
15	An algebraic algorithm for parameter identification in a class of systems described by linear partial differential equations. Proceedings in Applied Mathematics and Mechanics, 2016, 16, 39-42.	0.2	2
16	Control of Linear Delay Systems: An Approach without Explicit Predictions. Advances in Delays and Dynamics, 2014, , 17-30.	0.4	2
17	Algebraic parameter identification for infinite dimensional fluid transmission line models. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2013, 227, 733-743.	1.0	2
18	Controllability and prediction-free control of coupled transport processes viewed as linear systems with distributed delays. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 13-18.	0.4	7

#	ARTICLE	IF	CITATIONS
19	Prediction-free tracking control for systems with incommensurate lumped and distributed delays: Two examples*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 37-42.	0.4	2
20	Algebraic identification of heavy rope parameters. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 161-166.	0.4	2
21	Algebraische Methodenzur Parameteridentifikation für das schwere Seil. Automatisierungstechnik, 2012, 60, 514-521.	0.8	1
22	Parameter identification for a heavy rope with internal damping. Proceedings in Applied Mathematics and Mechanics, 2012, 12, 725-726.	0.2	1
23	Identification of transmission line parameters using algebraic methods. Proceedings in Applied Mathematics and Mechanics, 2012, 12, 727-728.	0.2	0
24	Controllability properties and prediction-free control of linear systems with incommensurate delays. Proceedings in Applied Mathematics and Mechanics, 2011, 11, 809-810.	0.2	4