

# Nicole Gehring

## List of Publications by Year in descending order

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24  
papers

160  
citations

1478505

6  
h-index

1199594

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g-index

24  
all docs

24  
docs citations

24  
times ranked

79  
citing authors

#	ARTICLE	IF	CITATIONS
1	Output feedback control of general linear heterodirectional hyperbolic ODE–PDE–ODE systems. Automatica, 2018, 95, 472-480.	5.0	54
2	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
3	Output Feedback Control of Coupled Linear Parabolic ODE–PDE–ODE Systems. IEEE Transactions on Automatic Control, 2021, 66, 4668-4683.	5.7	11
4	Backstepping Control of Linear 2 – 2 Hyperbolic Systems with Dynamic Boundary Conditions. IFAC-PapersOnLine, 2017, 50, 4522-4527.	0.9	10
5	An Algebraic Approach to the Identification of Linear Systems with Fractional Derivatives. IFAC-PapersOnLine, 2017, 50, 6214-6219.	0.9	9
6	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
7	Flatness-Based Output Feedback Tracking Control of a Hyperbolic Distributed-Parameter System. , 2022, 6, 992-997.		6
8	Parameter identification, fault detection and localization for an electrical transmission line. , 2016, , .		5
9	Fractional-order model identification for state of health assessment of solid-oxide fuel cells. IFAC-PapersOnLine, 2018, 51, 849-854.	0.9	5
10	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
11	Observer design for 2 – 2 linear hyperbolic PDEs that are bidirectionally coupled with nonlinear ODEs. , 2021, , .		3
12	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
13	Algebraic identification of heavy rope parameters. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 161-166.	0.4	2
14	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
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	Flatness-based tracking control for a pneumatic system with distributed parameters. IFAC-PapersOnLine, 2018, 51, 487-492.	0.9	2
17	Control of Linear Delay Systems: An Approach without Explicit Predictions. Advances in Delays and Dynamics, 2014, , 17-30.	0.4	2
18	Ein systematischer Backstepping-Zugang zur Regelung gekoppelter ODE-PDE-ODE-Systeme. Automatisierungstechnik, 2020, 68, 654-666.	0.8	2

#	ARTICLE	IF	CITATIONS
19	Algebraische Methodenzur Parameteridentifikation für das schwere Seil. Automatisierungstechnik, 2012, 60, 514-521.	0.8	1
20	Parameter identification for a heavy rope with internal damping. Proceedings in Applied Mathematics and Mechanics, 2012, 12, 725-726.	0.2	1
21	Tracking control for a long pneumatic transmission line. , 2017, , .		1
22	Tracking Control for $2 \times 2$ Linear Heterodirectional Hyperbolic PDEs that Are Bidirectionally Coupled with Nonlinear ODEs. Advances in Delays and Dynamics, 2022, , 117-142.	0.4	1
23	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
24	Identification of transmission line parameters using algebraic methods. Proceedings in Applied Mathematics and Mechanics, 2012, 12, 727-728.	0.2	0