

Nathan van de Wouw

List of Publications by Year in descending order

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191
papers

8,027
citations

61857

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h-index

60497

81
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192
all docs

192
docs citations

192
times ranked

4582
citing authors

#	ARTICLE	IF	CITATIONS
1	Networked Control Systems With Communication Constraints: Tradeoffs Between Transmission Intervals, Delays and Performance. IEEE Transactions on Automatic Control, 2010, 55, 1781-1796.	3.6	735
2	Lp String Stability of Cascaded Systems: Application to Vehicle Platooning. IEEE Transactions on Control Systems Technology, 2014, 22, 786-793.	3.2	474
3	Stability Analysis of Networked Control Systems Using a Switched Linear Systems Approach. IEEE Transactions on Automatic Control, 2011, 56, 2101-2115.	3.6	458
4	Design and experimental evaluation of cooperative adaptive cruise control. , 2011, , .		395
5	Stability of Networked Control Systems With Uncertain Time-Varying Delays. IEEE Transactions on Automatic Control, 2009, 54, 1575-1580.	3.6	340
6	Cooperative Adaptive Cruise Control: Network-Aware Analysis of String Stability. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 1527-1537.	4.7	327
7	Controller synthesis for networked control systems. Automatica, 2010, 46, 1584-1594.	3.0	286
8	Convergent dynamics, a tribute to Boris Pavlovich Demidovich. Systems and Control Letters, 2004, 52, 257-261.	1.3	268
9	Prediction of regenerative chatter by modelling and analysis of high-speed milling. International Journal of Machine Tools and Manufacture, 2003, 43, 1437-1446.	6.2	237
10	A comparison of model reduction techniques from structural dynamics, numerical mathematics and systems and control. Journal of Sound and Vibration, 2013, 332, 4403-4422.	2.1	208
11	Reconfigurable control of piecewise affine systems with actuator and sensor faults: Stability and tracking. Automatica, 2011, 47, 678-691.	3.0	116
12	Nonlinear Drillstring Dynamics Analysis. SIAM Journal on Applied Dynamical Systems, 2009, 8, 527-553.	0.7	111
13	Analysis of Friction-Induced Limit Cycling in an Experimental Drill-String System. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2004, 126, 709-720.	0.9	99
14	On polytopic inclusions as a modeling framework for systems with time-varying delays. Automatica, 2010, 46, 615-619.	3.0	94
15	Tracking Control for Nonlinear Networked Control Systems. IEEE Transactions on Automatic Control, 2014, 59, 1539-1554.	3.6	94
16	Control of mechanical motion systems with non-collocation of actuation and friction: A Popov criterion approach for input-to-state stability and set-valued nonlinearities. Automatica, 2009, 45, 405-415.	3.0	93
17	Frequency Response Functions for Nonlinear Convergent Systems. IEEE Transactions on Automatic Control, 2007, 52, 1159-1165.	3.6	89
18	A virtual structure approach to formation control of unicycle mobile robots using mutual coupling. International Journal of Control, 2011, 84, 1886-1902.	1.2	89

#	ARTICLE	IF	CITATIONS
19	A Semi-Analytical Study of Stick-Slip Oscillations in Drilling Systems. Journal of Computational and Nonlinear Dynamics, 2011, 6, .	0.7	82
20	Friction compensation in a controlled one-link robot using a reduced-order observer. IEEE Transactions on Control Systems Technology, 2006, 14, 374-383.	3.2	76
21	Using passive nonlinear targeted energy transfer to stabilize drill-string systems. Mechanical Systems and Signal Processing, 2009, 23, 148-169.	4.4	76
22	A discrete-time framework for stability analysis of nonlinear networked control systems. Automatica, 2012, 48, 1144-1153.	3.0	76
23	Fuel cell cars in a microgrid for synergies between hydrogen and electricity networks. Applied Energy, 2017, 192, 296-304.	5.1	76
24	Tracking Control for Hybrid Systems With State-Triggered Jumps. IEEE Transactions on Automatic Control, 2013, 58, 876-890.	3.6	75
25	Consensus Control for Vehicular Platooning With Velocity Constraints. IEEE Transactions on Control Systems Technology, 2018, 26, 1592-1605.	3.2	75
26	String stability of interconnected vehicles under communication constraints. , 2012, , .		68
27	Convergent systems vs. incremental stability. Systems and Control Letters, 2013, 62, 277-285.	1.3	67
28	Friction-induced limit cycling in flexible rotor systems: An experimental drill-string set-up. Nonlinear Dynamics, 2006, 46, 273-291.	2.7	64
29	Decentralized observer-based control via networked communication. Automatica, 2013, 49, 2074-2086.	3.0	64
30	String Stable Model Predictive Cooperative Adaptive Cruise Control for Heterogeneous Platoons. IEEE Transactions on Intelligent Vehicles, 2019, 4, 186-196.	9.4	63
31	Analysis and Control of Stick-Slip Oscillations in Drilling Systems. IEEE Transactions on Control Systems Technology, 2016, 24, 1582-1593.	3.2	62
32	On convergence properties of piecewise affine systems. International Journal of Control, 2007, 80, 1233-1247.	1.2	59
33	Trailer Steering Control of a Tractorâ€™Trailer Robot. IEEE Transactions on Control Systems Technology, 2016, 24, 1240-1252.	3.2	59
34	Analysis of undercompensation and overcompensation of friction in 1DOF mechanical systems. Automatica, 2007, 43, 1387-1394.	3.0	57
35	Axial and torsional self-excited vibrations of a distributed drill-string. Journal of Sound and Vibration, 2019, 444, 127-151.	2.1	54
36	Introduction to the Special Issue on the 2011 Grand Cooperative Driving Challenge. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 989-993.	4.7	52

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37	Extremum-seeking control for nonlinear systems with periodic steady-state outputs. <i>Automatica</i> , 2013, 49, 1883-1891.	3.0	50
38	Frequency-domain tools for stability analysis of reset control systems. <i>Automatica</i> , 2017, 82, 101-108.	3.0	50
39	Model Reduction for Nonlinear Systems by Incremental Balanced Truncation. <i>IEEE Transactions on Automatic Control</i> , 2014, 59, 2739-2753.	3.6	48
40	Tracking and synchronisation for a class of PWA systems. <i>Automatica</i> , 2008, 44, 2909-2915.	3.0	47
41	Guaranteeing stable tracking of hybrid positionâ€“force trajectories for a robot manipulator interacting with a stiff environment. <i>Automatica</i> , 2016, 63, 235-247.	3.0	47
42	Graceful degradation of CACC performance subject to unreliable wireless communication. , 2013, , .		46
43	Cooperative Automated Maneuvering at the 2016 Grand Cooperative Driving Challenge. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018, 19, 1213-1226.	4.7	46
44	Model-Based Robust Control of Directional Drilling Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2016, 24, 226-239.	3.2	45
45	Dynamics of a distributed drill string system: Characteristic parameters and stability maps. <i>Journal of Sound and Vibration</i> , 2018, 417, 376-412.	2.1	45
46	Attractivity of Equilibrium Sets of Systems with Dry Friction. <i>Nonlinear Dynamics</i> , 2004, 35, 19-39.	2.7	44
47	Stability properties of equilibrium sets of non-linear mechanical systems with dry friction and impact. <i>Nonlinear Dynamics</i> , 2008, 51, 551-583.	2.7	44
48	Performance of convergence-based variable-gain control of optical storage drives. <i>Automatica</i> , 2008, 44, 15-27.	3.0	43
49	Observer Designs for Experimental Non-Smooth and Discontinuous Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2008, 16, 1323-1332.	3.2	43
50	Global nonlinear output regulation: Convergence-based controller design. <i>Automatica</i> , 2007, 43, 456-463.	3.0	40
51	Tracking control for sampledâ€“data systems with uncertain timeâ€“varying sampling intervals and delays. <i>International Journal of Robust and Nonlinear Control</i> , 2010, 20, 387-411.	2.1	39
52	Stability analysis of networked and quantized linear control systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2013, 10, 111-125.	2.1	36
53	Mitigation of Torsional Vibrations in Drilling Systems: A Robust Control Approach. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 249-265.	3.2	36
54	PERFORMANCE OF AN AUTOMATIC BALL BALANCER WITH DRY FRICTION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005, 15, 65-82.	0.7	35

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55	Interaction between torsional and lateral vibrations in flexible rotor systems with discontinuous friction. <i>Nonlinear Dynamics</i> , 2007, 50, 679-699.	2.7	35
56	Estimation of spinal loading in vertical vibrations by numerical simulation. <i>Clinical Biomechanics</i> , 2003, 18, 800-811.	0.5	34
57	UNIFORM CONVERGENCE OF MONOTONE MEASURE DIFFERENTIAL INCLUSIONS: WITH APPLICATION TO THE CONTROL OF MECHANICAL SYSTEMS WITH UNILATERAL CONSTRAINTS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008, 18, 1435-1457.	0.7	34
58	Co-Design of Controller and Communication Topology for Vehicular Platooning. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017, 18, 2728-2739.	4.7	33
59	Model reduction for nonlinear systems with incremental gain or passivity properties. <i>Automatica</i> , 2013, 49, 861-872.	3.0	32
60	Experimental Output Regulation for a Nonlinear Benchmark System. <i>IEEE Transactions on Control Systems Technology</i> , 2007, 15, 786-793.	3.2	31
61	Cooperative adaptive cruise control: Tradeoffs between control and network specifications. , 2011, , .		31
62	Synthesis of Variable Gain Integral Controllers for Linear Motion Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2015, 23, 139-149.	3.2	31
63	Backstepping controller synthesis and characterizations of incremental stability. <i>Systems and Control Letters</i> , 2013, 62, 949-962.	1.3	30
64	An embedding approach for the design of state-feedback tracking controllers for references with jumps. <i>International Journal of Robust and Nonlinear Control</i> , 2014, 24, 1585-1608.	2.1	30
65	Reachable Sets of Hidden CPS Sensor Attacks: Analysis and Synthesis Tools. <i>IFAC-PapersOnLine</i> , 2017, 50, 2088-2094.	0.5	29
66	Reset integral control for improved settling of PID-based motion systems with friction. <i>Automatica</i> , 2019, 107, 483-492.	3.0	29
67	A Hydrogen-Based Integrated Energy and Transport System: The Design and Analysis of the Car as Power Plant Concept. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2019, 5, 37-50.	1.2	29
68	Sensitivity analysis of hybrid systems with state jumps with application to trajectory tracking. , 2014, , .		26
69	Active Trailer Steering Control for High-Capacity Vehicle Combinations. <i>IEEE Transactions on Intelligent Vehicles</i> , 2017, 2, 251-265.	9.4	26
70	Variable-Gain Control for Respiratory Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2020, 28, 163-171.	3.2	26
71	Switching Control in Vibration Isolation Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2013, 21, 626-635.	3.2	25
72	Predictor-Based Remote Tracking Control of a Mobile Robot. <i>IEEE Transactions on Control Systems Technology</i> , 2014, 22, 2087-2102.	3.2	25

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73	Robust impulsive control of motion systems with uncertain friction. International Journal of Robust and Nonlinear Control, 2012, 22, 369-397.	2.1	23
74	Robust model predictive cooperative adaptive cruise control subject to V2V impairments. , 2017, , .		23
75	A dither-free extremum-seeking control approach using 1st-order least-squares fits for gradient estimation. , 2014, , .		22
76	Saturated control of time-varying formations and trajectory tracking for unicycle multi-agent systems. , 2010, , .		20
77	Compensation-based control for lossy communication networks. International Journal of Control, 2013, 86, 1880-1897.	1.2	20
78	Consensus-based bi-directional CACC for vehicular platooning. , 2016, , .		19
79	A Volterra Series Approach to the Approximation of Stochastic Nonlinear Dynamics. Nonlinear Dynamics, 2002, 27, 397-409.	2.7	18
80	Model reduction for delay differential equations with guaranteed stability and error bound. Automatica, 2015, 55, 132-139.	3.0	18
81	Adaptive Control for Mechanical Ventilation for Improved Pressure Support. IEEE Transactions on Control Systems Technology, 2021, 29, 180-193.	3.2	18
82	Repetitive control design based on forwarding for nonlinear minimum-phase systems. Automatica, 2021, 129, 109671.	3.0	18
83	Experimental frequency-domain analysis of nonlinear controlled optical storage drives. IEEE Transactions on Control Systems Technology, 2006, 14, 389-397.	3.2	17
84	Control scheme for human-robot co-manipulation of uncertain, time-varying loads. , 2009, , .		17
85	Dynamics of Drilling Systems With an Antistall Tool: Effect on Rate of Penetration and Mechanical Specific Energy. SPE Journal, 2019, 24, 1982-1996.	1.7	17
86	To stick or to slip: A reset PID control perspective on positioning systems with friction. Annual Reviews in Control, 2020, 49, 37-63.	4.4	17
87	Extremum-seeking control for optimization of time-varying steady-state responses of nonlinear systems. Automatica, 2020, 119, 109068.	3.0	17
88	Control of humanoid robot motions with impacts: Numerical experiments with reference spreading control. , 2017, , .		17
89	Distance function design and Lyapunov techniques for the stability of hybrid trajectories. Automatica, 2016, 73, 38-46.	3.0	16
90	Split-path nonlinear integral control for transient performance improvement. Automatica, 2016, 66, 262-270.	3.0	15

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91	Reconfigurable control of PWA systems with actuator and sensor faults: Stability. , 2008, , .		14
92	Bifurcations of equilibrium sets in mechanical systems with dry friction. Physica D: Nonlinear Phenomena, 2012, 241, 1882-1894.	1.3	14
93	Performance optimization of piecewise affine variable-gain controllers for linear motion systems. Mechatronics, 2014, 24, 648-660.	2.0	14
94	Non-linear dynamics of a stochastically excited beam system with impact. International Journal of Non-Linear Mechanics, 2003, 38, 767-779.	1.4	13
95	Trajectory tracking control for a tele-operation setup with disturbance estimation and compensation. , 2010, , .		12
96	Nonlinear dynamic modeling and analysis of borehole propagation for directional drilling. International Journal of Non-Linear Mechanics, 2019, 113, 178-201.	1.4	12
97	Optimal Access Management for Cooperative Intersection Control. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2114-2127.	4.7	12
98	Nonlinear Parametric Identification Using Chaotic Data. JVC/Journal of Vibration and Control, 1995, 1, 291-305.	1.5	11
99	Extremum-Seeking Control for the Adaptive Design of Variable Gain Controllers. IEEE Transactions on Control Systems Technology, 2015, 23, 1041-1051.	3.2	11
100	Model order reduction for linear time delay systems: A delay-dependent approach based on energy functionals. Automatica, 2020, 112, 108701.	3.0	11
101	Modeling and Numerical Implementation of Managed-Pressure-Drilling Systems for the Assessment of Pressure-Control Systems. SPE Drilling and Completion, 2020, 35, 598-619.	0.9	11
102	String-stable automated steering in cooperative driving applications. Vehicle System Dynamics, 2020, 58, 826-842.	2.2	11
103	Nonsmooth bifurcations of equilibria in planar continuous systems. Nonlinear Analysis: Hybrid Systems, 2010, 4, 451-474.	2.1	10
104	Absolute Stabilization of Lurâ€™e Systems Under Event-Triggered Feedback * *This work was partially performed when the first author was working in the Department of Mechanical and Biomedical Engineering, City University of Hong Kong, China, supported by grants from the Research Grants Council of Hong Kong (No. CityU-11203714). He was also supported by the National Natural Science Foundation of China under Grants 61473297.. IFAC-PapersOnLine, 2017, 50, 15301-15306.	0.5	10
105	Incremental Stability of Hybrid Dynamical Systems. IEEE Transactions on Automatic Control, 2018, 63, 4094-4109.	3.6	10
106	Modelling and dynamic analysis of an anti-stall tool in a drilling system including spatial friction. Nonlinear Dynamics, 2019, 98, 2631-2650.	2.7	10
107	A Godunov-type Scheme for the Drift Flux Model with Variable Cross Section. Journal of Petroleum Science and Engineering, 2019, 179, 796-813.	2.1	10
108	Improving mechanical ventilation for patient care through repetitive control. IFAC-PapersOnLine, 2020, 53, 1415-1420.	0.5	10

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109	Model-based analysis and control of axial and torsional stick-slip oscillations in drilling systems. , 2011, , .		9
110	Active trailer steering for robotic tractor-trailer combinations. , 2015, , .		9
111	Experimental Evaluation of Reset Control for Improved Stage Performance. IFAC-PapersOnLine, 2016, 49, 93-98.	0.5	9
112	Hybrid Systems With State-Triggered Jumps: Sensitivity-Based Stability Analysis With Application to Trajectory Tracking. IEEE Transactions on Automatic Control, 2020, 65, 4568-4583.	3.6	9
113	Extremum-seeking control for periodic steady-state response optimization. , 2012, , .		8
114	Observer-based output-feedback control to eliminate torsional drill-string vibrations. , 2014, , .		8
115	Output-feedback inclination control of directional drilling systems. IFAC-PapersOnLine, 2015, 48, 260-265.	0.5	8
116	Pyragas-type feedback control for chatter mitigation in high-speed milling. IFAC-PapersOnLine, 2015, 48, 334-339.	0.5	8
117	Min-max control of fuel-cell-car-based smart energy systems. , 2016, , .		8
118	Emulation-based output regulation of linear networked control systems subject to scheduling and uncertain transmission intervals. IFAC-PapersOnLine, 2019, 52, 526-531.	0.5	8
119	Reset PID Design for Motion Systems With Stribeck Friction. IEEE Transactions on Control Systems Technology, 2022, 30, 294-310.	3.2	8
120	Prediction-Based Control for Mitigation of Axialâ€”Torsional Vibrations in a Distributed Drill-String System. IEEE Transactions on Control Systems Technology, 2022, 30, 277-293.	3.2	8
121	Steady-State Analysis and Regulation of Discrete-Time Nonlinear Systems. IEEE Transactions on Automatic Control, 2012, 57, 1793-1798.	3.6	7
122	Transient performance improvement of linear systems using a split-path nonlinear integrator. , 2014, , .		7
123	Definitions of incremental stability for hybrid systems. , 2015, , .		7
124	Switched position-force tracking control of a manipulator interacting with a stiff environment. , 2015, , .		7
125	Synchronization of impacting mechanical systems with a single constraint. Physica D: Nonlinear Phenomena, 2018, 362, 9-23.	1.3	7
126	Design of a supervisory controller for Cooperative Intersection Control using Model Predictive Control. IFAC-PapersOnLine, 2018, 51, 74-79.	0.5	7

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127	Port-Hamiltonian formulation of two-phase flow models. <i>Systems and Control Letters</i> , 2021, 149, 104881.	1.3	7
128	Multiple Faults Estimation in Dynamical Systems: Tractable Design and Performance Bounds. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 4916-4923.	3.6	7
129	A piecewise linear approach towards sheet control in a printer paper path. , 2006, , .		6
130	Formation control of unicycle robots using the virtual structure approach. , 2011, , .		6
131	Learning in the synthesis of data-driven variable-gain controllers. , 2013, , .		6
132	Vehicular platooning: Multi-Layer Consensus Seeking. , 2016, , .		6
133	Stability Analysis of Equilibria of Linear Delay Complementarity Systems. , 2017, 1, 158-163.		6
134	Error estimation in reduced basis method for systems with time-varying and nonlinear boundary conditions. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 360, 112688.	3.4	6
135	Control Allocation for an Industrial High-Precision Transportation and Positioning System. <i>IEEE Transactions on Control Systems Technology</i> , 2021, 29, 876-883.	3.2	6
136	Sampled-data extremum-seeking framework for constrained optimization of nonlinear dynamical systems. <i>Automatica</i> , 2022, 142, 110415.	3.0	6
137	Boosting human force: A robotic enhancement of a human operator’s force. , 2008, , .		5
138	Guest Editorial Introduction to the Special Issue on the 2016 Grand Cooperative Driving Challenge. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018, 19, 1208-1212.	4.7	5
139	Bandwidth-on-Demand Motion Control. <i>IEEE Transactions on Control Systems Technology</i> , 2018, 26, 265-273.	3.2	5
140	Model Order Reduction for Managed Pressure Drilling Systems based on a Model with Local Nonlinearities âž– This research has been carried out in the HYDRA project, which has received funding from the European Union’s Horizon 2020 research and innovation program under grant agreement No 675731.. <i>IFAC-PapersOnLine</i> , 2018, 51, 50-55.	0.5	5
141	Control-Oriented Modeling for Managed Pressure Drilling Automation Using Model Order Reduction. <i>IEEE Transactions on Control Systems Technology</i> , 2021, 29, 1161-1174.	3.2	5
142	Dissipativity-based framework for stability analysis of aperiodically sampled nonlinear systems with time-varying delay. <i>Automatica</i> , 2021, 129, 109632.	3.0	5
143	From Low to High Order Motion Planners: Safe Robot Navigation Using Motion Prediction and Reference Governor. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 9715-9722.	3.3	5
144	Emulation-based tracking solutions for nonlinear networked control systems. , 2012, , .		4

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145	Robust disturbance estimation for human-robotic comanipulation. International Journal of Robust and Nonlinear Control, 2014, 24, 1772-1796.	2.1	4
146	Set-point Control of Motion Systems with Uncertain Set-valued Stribeck Friction * *This research is supported by the Dutch Technology Foundation (STW, project 13896). IFAC-PapersOnLine, 2017, 50, 2965-2970.	0.5	4
147	Effect of shock subs on self-excited vibrations in drilling systems. Journal of Petroleum Science and Engineering, 2019, 181, 106217.	2.1	4
148	Accurate pressure tracking to support mechanically ventilated patients using an estimated nonlinear hose model and delay compensation. Control Engineering Practice, 2021, 106, 104660.	3.2	4
149	Proportional-Integral-Derivative-Based Learning Control for High-Accuracy Repetitive Positioning of Frictional Motion Systems. IEEE Transactions on Control Systems Technology, 2021, 29, 1652-1663.	3.2	4
150	Frequency-domain stability conditions for asynchronously sampled decentralized LTI systems. Automatica, 2021, 129, 109603.	3.0	4
151	Noninvasive Breathing Effort Estimation of Mechanically Ventilated Patients Using Sparse Optimization. , 2022, 1, 57-68.		4
152	Model-based piecewise affine variable-gain controller synthesis. , 2013, , .		3
153	Power scheduling in islanded-mode microgrids using fuel cell vehicles. , 2017, , .		3
154	Extremum-seeking control for steady-state performance optimization of nonlinear plants with time-varying steady-state outputs. , 2018, , .		3
155	Robust output-feedback control of 3D directional drilling systems. International Journal of Robust and Nonlinear Control, 2018, 28, 5915-5942.	2.1	3
156	Fast Identification of Continuous-Time Lur ^e -type Systems with Stability Certification. IFAC-PapersOnLine, 2019, 52, 227-232.	0.5	3
157	A sampled-data extremum-seeking approach for accurate setpoint control of motion systems with friction. IFAC-PapersOnLine, 2019, 52, 801-806.	0.5	3
158	Filtered Split-Path Nonlinear Integrator: A Hybrid Controller for Transient Performance Improvement. IEEE Transactions on Control Systems Technology, 2022, 30, 451-463.	3.2	3
159	Error estimates for model order reduction of Burgers ^e equation. IFAC-PapersOnLine, 2020, 53, 5609-5616.	0.5	3
160	Alternative Methods in Spectral Factorization. A Modeling and Design Tool. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2001, 81, 140-144.	0.9	2
161	The local approximate output regulation problem: convergence region estimates. International Journal of Robust and Nonlinear Control, 2005, 15, 1-13.	2.1	2
162	Control allocation for a high-precision linear transport system. , 2018, , .		2

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163	Hybrid Integral Reset Control with Application to a Lens Motion System. , 2019, , .		2
164	Sampled-data extremum-seeking control for optimization of constrained dynamical systems using barrier function methods. , 2019, , .		2
165	An extended model order reduction technique for linear delay systems. , 2019, , .		2
166	Power Scheduling of Fuel Cell Cars in an Islanded Mode Microgrid With Private Driving Patterns. IEEE Transactions on Control Systems Technology, 2020, 28, 1393-1403.	3.2	2
167	Design of L_2 stable fixed-order decentralised controllers in a network of sampled-data systems with time-delays. European Journal of Control, 2020, 56, 73-85.	1.6	2
168	Reduced basis method for managed pressure drilling based on a model with local nonlinearities. International Journal for Numerical Methods in Engineering, 2020, 121, 5178-5199.	1.5	2
169	Flipped halfwave: improved modeling of spontaneous breathing effort. IFAC-PapersOnLine, 2021, 54, 175-179.	0.5	2
170	Modeling of High-Speed Milling for Prediction of Regenerative Chatter. , 2005, , 169-186.		1
171	From convergent dynamics to incremental stability. , 2012, , .		1
172	Dynamical collapse of trajectories. Europhysics Letters, 2012, 98, 20001.	0.7	1
173	Generalized incremental balanced truncation for nonlinear systems. , 2013, , .		1
174	Controller synthesis for incremental stability: Application to symbolic controller synthesis. , 2013, , .		1
175	Model reduction for a class of nonlinear delay differential equations with time-varying delays. , 2015, , .		1
176	Constructing distance functions and piecewise quadratic Lyapunov functions for stability of hybrid trajectories. , 2015, , .		1
177	Filtered Split-Path Nonlinear Integrator (F-SPANI) for improved transient performance. , 2017, , .		1
178	Online hose calibration for pressure control in mechanical ventilation. , 2019, , .		1
179	Hybrid model formulation and stability analysis of a PID-controlled motion system with Coulomb friction. IFAC-PapersOnLine, 2019, 52, 84-89.	0.5	1
180	State-Space Kernelized Closed-Loop Identification of Nonlinear Systems. IFAC-PapersOnLine, 2020, 53, 1126-1131.	0.5	1

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181	Control-oriented model reduction for a class of hyperbolic systems with application to managed pressure drilling. IFAC-PapersOnLine, 2020, 53, 7698-7703.	0.5	1
182	A data-based stability-preserving model order reduction method for hyperbolic partial differential equations. Nonlinear Dynamics, 2022, 107, 3729-3748.	2.7	1
183	The local output regulation problem: Convergence region estimates. , 2003, , .		0
184	Stability and Control of Lur'e-type Measure Differential Inclusions. World Scientific Series on Nonlinear Science, Series B, 2010, , 129-151.	0.2	0
185	Call for Papers: <i>International Journal of Robust and Nonlinear Control Performance of Nonlinear Control Systems</i>. International Journal of Robust and Nonlinear Control, 2011, 21, 1354-1354.	2.1	0
186	Introduction to the special issue on "Performance of nonlinear control systems". International Journal of Robust and Nonlinear Control, 2013, 23, 1063-1064.	2.1	0
187	Delay complementarity modeling for dynamic analysis of directional drilling. , 2019, , .		0
188	On the graphical stability of hybrid solutions with non-matching jump times. Automatica, 2020, 111, 108662.	3.0	0
189	An approximate well-balanced upgrade of Godunov-type schemes for the isothermal Euler equations and the drift flux model with laminar friction and gravitation. International Journal for Numerical Methods in Fluids, 2021, 93, 1110-1142.	0.9	0
190	Extremum Seeking With Enhanced Convergence Speed for Optimization of Time-Varying Steady-State Behavior of Industrial Motion Stages. IEEE Transactions on Control Systems Technology, 2021, , 1-17.	3.2	0
191	Real-Time Fault Estimation for a Class of Discrete-Time Linear Parameter-Varying Systems. , 2022, 6, 1988-1993.		0