

# Henk Nijmeijer

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

303  
papers

9,747  
citations

44  
h-index

93  
g-index

336  
ext. papers

11,664  
ext. citations

3.2  
avg, IF

6.44  
L-index

#	Paper	IF	Citations
303	Nonlinear Dynamical Control Systems <b>1990</b> ,		1342
302	Tracking Control of Mobile Robots: A Case Study in Backstepping**This paper was not presented at any IFAC meeting. This paper was recommended for publication in revised form by Associate Editor Alberto Isidori under the direction of Editor Tamer Başar. <i>Automatica</i> , <b>1997</b> , 33, 1393-1399	5.7	557
301	An observer looks at synchronization. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>1997</b> , 44, 882-890		488
300	Lp String Stability of Cascaded Systems: Application to Vehicle Platooning. <i>IEEE Transactions on Control Systems Technology</i> , <b>2014</b> , 22, 786-793	4.8	327
299	Dynamics and Bifurcations of Non-Smooth Mechanical Systems. <i>Lecture Notes in Applied and Computational Mechanics</i> , <b>2004</b> ,	0.3	311
298	A recursive technique for tracking control of nonholonomic systems in chained form. <i>IEEE Transactions on Automatic Control</i> , <b>1999</b> , 44, 265-279	5.9	294
297	Design and experimental evaluation of cooperative adaptive cruise control <b>2011</b> ,		260
296	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2014</b> , 15, 854-865	6.1	257
295	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2014</b> , 15, 1527-1537	6.1	235
294	Controller synthesis for networked control systems. <i>Automatica</i> , <b>2010</b> , 46, 1584-1594	5.7	216
293	Convergent dynamics, a tribute to Boris Pavlovich Demidovich. <i>Systems and Control Letters</i> , <b>2004</b> , 52, 257-261	2.4	214
292	Prediction of regenerative chatter by modelling and analysis of high-speed milling. <i>International Journal of Machine Tools and Manufacture</i> , <b>2003</b> , 43, 1437-1446	9.4	198
291	On self-synchronization and controlled synchronization. <i>Systems and Control Letters</i> , <b>1997</b> , 31, 299-305	2.4	190
290	. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>2001</b> , 48, 152-162		189
289	A comparison of model reduction techniques from structural dynamics, numerical mathematics and systems and control. <i>Journal of Sound and Vibration</i> , <b>2013</b> , 332, 4403-4422	3.9	155
288	Partial synchronization: from symmetry towards stability. <i>Physica D: Nonlinear Phenomena</i> , <b>2002</b> , 172, 65-87	3.3	147
287	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2015</b> , 16, 488-497	6.1	138

286	SYNCHRONIZATION AND GRAPH TOPOLOGY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2005</b> , 15, 3423-3433	2	103
285	Semi-passivity and synchronization of diffusively coupled neuronal oscillators. <i>Physica D: Nonlinear Phenomena</i> , <b>2009</b> , 238, 2119-2128	3.3	95
284	Battery thermal management by boiling heat-transfer. <i>Energy Conversion and Management</i> , <b>2014</b> , 79, 9-17	10.6	93
283	ADAPTIVE OBSERVER-BASED SYNCHRONIZATION FOR COMMUNICATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2000</b> , 10, 2807-2813	2	93
282	Nonlinear Drillstring Dynamics Analysis. <i>SIAM Journal on Applied Dynamical Systems</i> , <b>2009</b> , 8, 527-553	2.8	91
281	Uniform Output Regulation of Nonlinear Systems <b>2006</b> ,		91
280	Robust Active Chatter Control in the High-Speed Milling Process. <i>IEEE Transactions on Control Systems Technology</i> , <b>2012</b> , 20, 901-917	4.8	86
279	Analysis of Friction-Induced Limit Cycling in an Experimental Drill-String System. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2004</b> , 126, 709-720	1.6	85
278	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. <i>Automatica</i> , <b>2009</b> , 45, 405-415	5.7	80
277	ON DIFFUSION DRIVEN OSCILLATIONS IN COUPLED DYNAMICAL SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>1999</b> , 09, 629-644	2	80
276	Hybrid optimal control of dry clutch engagement. <i>International Journal of Control</i> , <b>2007</b> , 80, 1717-1728	1.5	76
275	Synchronization of Mechanical Systems. <i>World Scientific Series on Nonlinear Science, Series A</i> , <b>2003</b> ,	3.3	75
274	Output Feedback Tracking of Ships. <i>IEEE Transactions on Control Systems Technology</i> , <b>2011</b> , 19, 442-448	4.8	73
273	. <i>IEEE Transactions on Automatic Control</i> , <b>1994</b> , 39, 2159-2162	5.9	70
272	A virtual structure approach to formation control of unicycle mobile robots using mutual coupling. <i>International Journal of Control</i> , <b>2011</b> , 84, 1886-1902	1.5	63
271	Friction compensation in a controlled one-link robot using a reduced-order observer. <i>IEEE Transactions on Control Systems Technology</i> , <b>2006</b> , 14, 374-383	4.8	61
270	Adaptive observers and parameter estimation for a class of systems nonlinear in the parameters. <i>Automatica</i> , <b>2013</b> , 49, 2409-2423	5.7	60
269	Synchronization in networks of chaotic systems with time-delay coupling. <i>Chaos</i> , <b>2008</b> , 18, 037108	3.3	58

268	Robust Stability of Networked Control Systems with Time-varying Network-induced Delays <b>2006</b> ,		57
267	Friction-induced limit cycling in flexible rotor systems: An experimental drill-string set-up. <i>Nonlinear Dynamics</i> , <b>2006</b> , 46, 273-291	5	54
266	Cooperative Intersection Control Based on Virtual Platooning. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2018</b> , 19, 1727-1740	6.1	49
265	String stability of interconnected vehicles under communication constraints <b>2012</b> ,		48
264	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2011</b> , 58, 1358-1371	3.9	46
263	Control of the chaotic Duffing equation with uncertainty in all parameters. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>1998</b> , 45, 1252-1255		46
262	Coordination of two robot manipulators based on position measurements only. <i>International Journal of Control</i> , <b>2001</b> , 74, 1311-1323	1.5	46
261	Analysis of undercompensation and overcompensation of friction in 1DOF mechanical systems. <i>Automatica</i> , <b>2007</b> , 43, 1387-1394	5.7	45
260	On convergence properties of piecewise affine systems. <i>International Journal of Control</i> , <b>2007</b> , 80, 1233-1247	4.9	45
259	Consensus Control for Vehicular Platooning With Velocity Constraints. <i>IEEE Transactions on Control Systems Technology</i> , <b>2018</b> , 26, 1592-1605	4.8	42
258	Exponential Tracking Control of a Mobile Car Using a Cascaded Approach. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>1998</b> , 31, 201-206		42
257	The sympathy of two pendulum clocks: beyond Huygens' observations. <i>Scientific Reports</i> , <b>2016</b> , 6, 23580	4.9	41
256	NONLINEAR DISCRETE-TIME SYNCHRONIZATION VIA EXTENDED OBSERVERS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2001</b> , 11, 1997-2006	2	41
255	Formation control of unicycle mobile robots: a virtual structure approach <b>2009</b> ,		40
254	Trailer Steering Control of a Tractor-Trailer Robot. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 1240-1252	4.8	38
253	Model Reduction for Nonlinear Systems by Incremental Balanced Truncation. <i>IEEE Transactions on Automatic Control</i> , <b>2014</b> , 59, 2739-2753	5.9	38
252	Input-to-state stabilizing sub-optimal NMPC with an application to DCDC converters. <i>International Journal of Robust and Nonlinear Control</i> , <b>2008</b> , 18, 890-904	3.6	38
251	Performance of convergence-based variable-gain control of optical storage drives. <i>Automatica</i> , <b>2008</b> , 44, 15-27	5.7	38

250	Tracking control of second-order chained form systems by cascaded backstepping. <i>International Journal of Robust and Nonlinear Control</i> , <b>2003</b> , 13, 95-115	3.6	38
249	Automatic In-Process Chatter Avoidance in the High-Speed Milling Process. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2010</b> , 132,	1.6	37
248	An Improved Tool Path Model Including Periodic Delay for Chatter Prediction in Milling. <i>Journal of Computational and Nonlinear Dynamics</i> , <b>2007</b> , 2, 167-179	1.4	37
247	Application of a Dynamic Vibration Absorber to a Piecewise Linear Beam System. <i>Nonlinear Dynamics</i> , <b>2004</b> , 37, 227-243	5	37
246	An observer-controller combination for a unicycle mobile robot. <i>International Journal of Control</i> , <b>2005</b> , 78, 81-87	1.5	36
245	Graceful degradation of CACC performance subject to unreliable wireless communication <b>2013</b> ,		35
244	Global nonlinear output regulation: Convergence-based controller design. <i>Automatica</i> , <b>2007</b> , 43, 456-463	3.7	35
243	Observer Designs for Experimental Non-Smooth and Discontinuous Systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>2008</b> , 16, 1323-1332	4.8	34
242	Linear controllers for exponential tracking of systems in chained-form. <i>International Journal of Robust and Nonlinear Control</i> , <b>2000</b> , 10, 243-263	3.6	32
241	Tracking control of an underactuated surface vessel		31
240	Partial synchronization in diffusively time-delay coupled oscillator networks. <i>Chaos</i> , <b>2012</b> , 22, 043144	3.3	30
239	Interaction between torsional and lateral vibrations in flexible rotor systems with discontinuous friction. <i>Nonlinear Dynamics</i> , <b>2007</b> , 50, 679-699	5	28
238	Prediction of chaotic behavior. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>2005</b> , 52, 2464-2472		27
237	Observer-Based Robust Synchronization of Dynamical Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>1998</b> , 08, 2243-2254	2	27
236	Approximation of Delays in Cooperative ACC Based on String Stability Requirements. <i>IEEE Transactions on Intelligent Vehicles</i> , <b>2016</b> , 1, 277-286	5	27
235	Model reduction for nonlinear systems with incremental gain or passivity properties. <i>Automatica</i> , <b>2013</b> , 49, 861-872	5.7	26
234	Compensation of Communication Delays in a Cooperative ACC System. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 1177-1189	6.8	26
233	Synthesis of Variable Gain Integral Controllers for Linear Motion Systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015</b> , 23, 139-149	4.8	25

232	Network complexity and synchronous behavior--an experimental approach. <i>International Journal of Neural Systems</i> , <b>2010</b> , 20, 233-47	6.2	25
231	Analysis of the lateral dynamic behaviour of articulated commercial vehicles. <i>Vehicle System Dynamics</i> , <b>2012</b> , 50, 169-189	2.8	24
230	Smith Predictor Compensating for Vehicle Actuator Delays in Cooperative ACC Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 1106-1115	6.8	24
229	Battery electric vehicle energy consumption prediction for a trip based on route information. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2018</b> , 232, 1528-1542	1.4	23
228	Direct Force-Reflecting Two-Layer Approach for Passive Bilateral Teleoperation With Time Delays. <i>IEEE Transactions on Robotics</i> , <b>2018</b> , 34, 194-206	6.5	21
227	Synchronization of weakly nonlinear oscillators with Huygens' coupling. <i>Chaos</i> , <b>2013</b> , 23, 033118	3.3	21
226	Application of nonlinear tyre models to analyse shimmy. <i>Vehicle System Dynamics</i> , <b>2014</b> , 52, 387-404	2.8	21
225	Dynamic stability of a thin cylindrical shell with top mass subjected to harmonic base-acceleration. <i>International Journal of Solids and Structures</i> , <b>2008</b> , 45, 1587-1613	3.1	21
224	Network synchronization using invariant-manifold-based diffusive dynamic couplings with time-delay. <i>Automatica</i> , <b>2015</b> , 57, 34-44	5.7	20
223	Mitigation of Torsional Vibrations in Drilling Systems: A Robust Control Approach. <i>IEEE Transactions on Control Systems Technology</i> , <b>2019</b> , 27, 249-265	4.8	20
222	Regulation and controlled synchronization for complex dynamical systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2000</b> , 10, 363-377	3.6	20
221	Further understanding of Huygens-coupled clocks: The effect of stiffness. <i>Physica D: Nonlinear Phenomena</i> , <b>2014</b> , 270, 11-19	3.3	19
220	Automation of a T-intersection Using Virtual Platoons of Cooperative Autonomous Vehicles <b>2015</b> ,		19
219	Sensitivity analysis of hybrid systems with state jumps with application to trajectory tracking <b>2014</b> ,		19
218	Networks of diffusively time-delay coupled systems: Conditions for synchronization and its relation to the network topology. <i>Physica D: Nonlinear Phenomena</i> , <b>2014</b> , 277, 22-39	3.3	19
217	Nonlinear output-feedback control of torsional vibrations in drilling systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2017</b> , 27, 3659	3.6	18
216	Design of a minimally invasive surgical teleoperated master-slave system with haptic feedback <b>2009</b> ,		18
215	Merging Strategy for Vehicles by Applying Cooperative Tracking Control. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2016</b> , 17, 3423-3433	6.1	17

214	Predictor-Based Remote Tracking Control of a Mobile Robot. <i>IEEE Transactions on Control Systems Technology</i> , <b>2014</b> , 22, 2087-2102	4.8	17
213	Cooperative adaptive cruise control: Tradeoffs between control and network specifications <b>2011</b> ,		17
212	On robustness of constrained discrete-time systems to state measurement errors. <i>Automatica</i> , <b>2008</b> , 44, 1161-1165	5.7	17
211	Reset integral control for improved settling of PID-based motion systems with friction. <i>Automatica</i> , <b>2019</b> , 107, 483-492	5.7	16
210	A dither-free extremum-seeking control approach using 1st-order least-squares fits for gradient estimation <b>2014</b> ,		16
209	Dynamic stability of a base-excited thin orthotropic cylindrical shell with top mass: Simulations and experiments. <i>Journal of Sound and Vibration</i> , <b>2010</b> , 329, 3149-3170	3.9	16
208	Semi-analytic approximation of the temperature field resulting from moving heat loads. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 122, 128-137	4.9	15
207	Robust output-feedback control to eliminate stick-slip oscillations in drill-string systems. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 266-271	0.7	15
206	A SYNCHRONIZATION CONDITION FOR COUPLED NONLINEAR SYSTEMS WITH TIME-DELAY: A FREQUENCY DOMAIN APPROACH. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2011</b> , 21, 2525-2538	2	15
205	Combined Longitudinal and Lateral Control of Car-Like Vehicle Platooning With Extended Look-Ahead. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 790-803	4.8	15
204	Combined lateral and longitudinal CACC for a unicycle-type platoon <b>2016</b> ,		14
203	Enhancing master-slave synchronization: The effect of using a dynamic coupling. <i>Physical Review E</i> , <b>2018</b> , 98, 012208	2.4	14
202	Proportional and derivative control for steady-state vibration mitigation in a piecewise linear beam system. <i>Nonlinear Dynamics</i> , <b>2010</b> , 60, 535-549	5	14
201	Nonuniform Small-Gain Theorems for Systems with Unstable Invariant Sets. <i>SIAM Journal on Control and Optimization</i> , <b>2008</b> , 47, 849-882	1.9	14
200	Saturated control of time-varying formations and trajectory tracking for unicycle multi-agent systems <b>2010</b> ,		13
199	Nonlinear dynamic analysis of a structure with a friction-based seismic base isolation system. <i>Nonlinear Dynamics</i> , <b>2007</b> , 50, 523-538	5	13
198	Bifurcations of equilibrium sets in mechanical systems with dry friction. <i>Physica D: Nonlinear Phenomena</i> , <b>2012</b> , 241, 1882-1894	3.3	12
197	Control scheme for human-robot co-manipulation of uncertain, time-varying loads <b>2009</b> ,		12



196	Synchronizing Tracking Control for Flexible Joint Robots via Estimated State Feedback. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2004</b> , 126, 162-172	1.6	12
195	Nonsmooth stabilizability and feedback linearization of discrete-time nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>1996</b> , 6, 171-188	3.6	12
194	Split-path nonlinear integral control for transient performance improvement. <i>Automatica</i> , <b>2016</b> , 66, 262-270	3.7	11
193	Synchronization of Identical Linear Systems and Diffusive Time-Delayed Couplings. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2014</b> , 61, 1801-1814	3.9	11
192	Hybrid integrator design for enhanced tracking in motion control <b>2017</b> ,		11
191	Active Trailer Steering Control for High-Capacity Vehicle Combinations. <i>IEEE Transactions on Intelligent Vehicles</i> , <b>2017</b> , 2, 251-265	5	11
190	On optimal trajectory tracking for mechanical systems with unilateral constraints <b>2015</b> ,		11
189	Collective almost synchronisation in complex networks. <i>PLoS ONE</i> , <b>2012</b> , 7, e48118	3.7	11
188	Time Delay Compensation in Bilateral Teleoperations Using IMPACT. <i>IEEE Transactions on Control Systems Technology</i> , <b>2013</b> , 21, 704-715	4.8	11
187	Trajectory tracking control for a tele-operation setup with disturbance estimation and compensation <b>2010</b> ,		11
186	LIMIT CYCLING IN AN OBSERVER-BASED CONTROLLED SYSTEM WITH FRICTION: NUMERICAL ANALYSIS AND EXPERIMENTAL VALIDATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2004</b> , 14, 3083-3093	2	11
185	Observer-based compensation of discontinuous friction <b>2004</b> ,		11
184	A Volterra Series Approach to the Approximation of Stochastic Nonlinear Dynamics. <i>Nonlinear Dynamics</i> , <b>2002</b> , 27, 397-409	5	11
183	Control of humanoid robot motions with impacts: Numerical experiments with reference spreading control <b>2017</b> ,		11
182	Extremum-Seeking Control for the Adaptive Design of Variable Gain Controllers. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015</b> , 23, 1041-1051	4.8	10
181	Multi-objective platoon maneuvering using artificial potential fields. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 15006-15011	5.1	10
180	The effect of damping on the perception of hardness <b>2015</b> ,		10
179	Collision-free motion coordination of unicycle multi-agent systems <b>2010</b> ,		10



178	Network synchronization of time-delayed coupled nonlinear systems using predictor-based diffusive dynamic couplings. <i>Chaos</i> , <b>2015</b> , 25, 023108	3.3	9
177	To stick or to slip: A reset PID control perspective on positioning systems with friction. <i>Annual Reviews in Control</i> , <b>2020</b> , 49, 37-63	10.3	9
176	Hybrid Integrator-Gain Systems: A Remedy for Overshoot Limitations in Linear Control? <b>2020</b> , 4, 1042-1047		9
175	A robust control analysis for a steer-by-wire vehicle with uncertainty on the tyre forces. <i>Vehicle System Dynamics</i> , <b>2016</b> , 54, 1247-1268	2.8	9
174	Rule-based control of a semi-active suspension for minimal sprung mass acceleration: design and measurement. <i>Vehicle System Dynamics</i> , <b>2016</b> , 54, 281-300	2.8	9
173	Finite Element Model Reduction and Model Updating of structures for Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 4517-4522		9
172	Steady-state dynamics of a 3D tensegrity structure: Simulations and experiments. <i>International Journal of Solids and Structures</i> , <b>2012</b> , 49, 973-988	3.1	9
171	Direct Motion Planning for Vision-Based Control. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2014</b> , 11, 1282-1288	4.9	9
170	Periodic excitation of a buckled beam using a higher order semianalytic approach. <i>Nonlinear Dynamics</i> , <b>2007</b> , 50, 325-339	5	9
169	On dynamic input-output linearization of discrete-time nonlinear systems. <i>International Journal of Control</i> , <b>1994</b> , 60, 1319-1337	1.5	9
168	Consensus-based bi-directional CACC for vehicular platooning <b>2016</b> ,		9
167	Second-order reset elements for stage control design <b>2016</b> ,		9
166	Linear controllers for tracking chained-form systems. <i>Lecture Notes in Control and Information Sciences</i> , <b>1999</b> , 183-199	0.5	9
165	On Centroidal Dynamics and Integrability of Average Angular Velocity. <i>IEEE Robotics and Automation Letters</i> , <b>2017</b> , 2, 943-950	4.2	8
164	Pyragas-type feedback control for chatter mitigation in high-speed milling. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 334-339	0.7	8
163	Synchronization and Partial Synchronization Experiments with Networks of Time-Delay Coupled Hindmarsh-Rose Neurons. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2016</b> , 26, 1650111	2	8
162	Nonlinear resonances in an axially excited beam carrying a top mass: simulations and experiments. <i>Nonlinear Dynamics</i> , <b>2011</b> , 66, 285-302	5	8
161	Observer-based model predictive control. <i>International Journal of Control</i> , <b>2004</b> , 77, 1452-1462	1.5	8

160	Cooperative Driving of Automated Vehicles Using B-Splines for Trajectory Planning. <i>IEEE Transactions on Intelligent Vehicles</i> , <b>2021</b> , 6, 594-604	5	8
159	Synchronization Control for a Swarm of Unicycle Robots: Analysis of Different Controller Topologies. <i>Asian Journal of Control</i> , <b>2017</b> , 19, 1822	1.7	7
158	Trajectory tracking of mechanical systems with unilateral constraints: Experimental results of a recently introduced hybrid PD feedback controller <b>2015</b> ,		7
157	Model-based analysis and control of axial and torsional stick-slip oscillations in drilling systems <b>2011</b> ,		7
156	An error bound for model reduction of Lur'e-type systems <b>2009</b> ,		7
155	Synchronization and activation in a model of a network of E-cells. <i>Automatica</i> , <b>2011</b> , 47, 1243-1248	5.7	7
154	An experimental study on synchronization of nonlinear oscillators with Huygens' coupling. <i>Nonlinear Theory and Its Applications IEICE</i> , <b>2012</b> , 3, 128-142	0.6	7
153	Self-synchronization and controlled synchronization		7
152	Huygens' inspired multi-pendulum setups: Experiments and stability analysis. <i>Chaos</i> , <b>2016</b> , 26, 116304	3.3	7
151	A Computational Design Framework for Pressure-driven Soft Robots through Nonlinear Topology Optimization <b>2020</b> ,		6
150	Active trailer steering for robotic tractor-trailer combinations <b>2015</b> ,		6
149	Experimentally Validated Model Predictive Controller for a Hexacopter * *The authors gratefully acknowledge the partial sponsorship by DSTG, Australia.. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 4076-4081	0.7	6
148	Energy analysis of the Von Schlippe tyre model with application to shimmy. <i>Vehicle System Dynamics</i> , <b>2015</b> , 53, 1795-1810	2.8	6
147	Experimental Validation of Object Positioning Via StickSlip Vibrations. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2014</b> , 19, 1092-1101	5.5	6
146	Transient performance improvement of linear systems using a split-path nonlinear integrator <b>2014</b> ,		6
145	Accuracy Assessment of Thermoacoustic Instability Models Using Binary Classification. <i>International Journal of Spray and Combustion Dynamics</i> , <b>2013</b> , 5, 201-224	1.3	6
144	The Electromechanical Low-Power Active Suspension: Modeling, Control, and Prototype Testing. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2011</b> , 133,	1.6	6
143	Feedback stabilisation of a one-dimensional nonlinear pool-boiling system. <i>International Journal of Heat and Mass Transfer</i> , <b>2010</b> , 53, 2393-2403	4.9	6

142	Large amplitude dynamic behavior of thrust air bearings: Modeling and experiments. <i>Tribology International</i> , <b>2017</b> , 109, 460-466	4.9	5
141	Extended Look-Ahead Tracking Controller With Orientation-Error Observer for Vehicle Platooning. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 21, 4808-4821	6.1	5
140	Synchronization of light-sensitive Hindmarsh-Rose neurons. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2018</b> , 57, 322-330	3.7	5
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