

# Alessandro Astolfi

## List of Publications by Year in Descending Order

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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.

253 papers	6,619 citations	44 h-index	75 g-index
283 ext. papers	8,229 ext. citations	3.7 avg, IF	6.45 L-index

#	Paper	IF	Citations
253	Adaptive Control for Systems with Time-Varying Parameters: A Survey. <i>Lecture Notes in Control and Information Sciences</i> , <b>2022</b> , 217-247	0.5	0
252	Spatiotemporal dynamics in spiking recurrent neural networks using modified-full-FORCE on EEG signals.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2896	4.9	0
251	Attitude Regulation With Bounded Control in the Presence of Large Disturbances With Bounded Moving Average. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2022</b> , 9, 834-846	7	0
250	On the analysis of open-loop Nash equilibria admitting a feedback synthesis in nonlinear differential games. <i>Automatica</i> , <b>2022</b> , 142, 110389	5.7	0
249	A Direct Bounded Control Method for Transient Stability Assessment. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 294-301	3.1	0
248	Energy Management and Control of Photovoltaic and Storage Systems in Active Distribution Grids. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 1-1	7	2
247	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 29, 2312-2324	4.8	0
246	. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 1986-2001	5.9	12
245	Position regulation in Cartesian space of a class of inextensible soft continuum manipulators with pneumatic actuation. <i>Mechatronics</i> , <b>2021</b> , 76, 102573	3	3
244	. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 2265-2272	5.9	22
243	Adaptive energy shaping control of robotic needle insertion. <i>Mechanism and Machine Theory</i> , <b>2021</b> , 155, 104060	4	7
242	. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 3562-3574	5.9	1
241	On the Dynamics of Inherent Balancing of Modular Multilevel DC/ACDC Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 34-40	7.2	2
240	. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	0
239	On the Approximation of Moments for Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	2
238	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 1-15	4.8	5
237	Adaptive Formation Tracking Control for First-Order Agents in a Time-Varying Flowfield. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	8

236	Robust traffic wave damping via shared control. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2021</b> , 128, 103110	8.4	1
235	Energy-maximising moment-based constrained optimal control of ocean wave energy farms. <i>IET Renewable Power Generation</i> , <b>2021</b> , 15, 3395	2.9	2
234	Adaptive Formation Tracking Control of Directed Networked Vehicles in a Time-Varying Flowfield. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2021</b> , 44, 1883-1891	2.1	8
233	Constructive design of open-loop Nash equilibrium strategies that admit a feedback synthesis in LQ games. <i>Automatica</i> , <b>2021</b> , 133, 109840	5.7	
232	Adaptive energy shaping control of a class of nonlinear soft continuum manipulators. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2021</b> , 1-1	5.5	5
231	Nonlinear Model Reduction in the Loewner Framework. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	0
230	Robust dynamic state feedback for underactuated systems with linearly parameterized disturbances. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 4112-4128	3.6	7
229	Stability of nonlinear differential-algebraic systems via additive identity. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2020</b> , 7, 929-941	7	4
228	On the Active Nodes of Network Systems <b>2020</b> ,		1
227	Stabilization of a Class of Under-Actuated Nonlinear Systems via Under-Actuated Back-Stepping. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 1-1	5.9	2
226	Loewner Functions for Linear Time-Varying Systems with Applications to Model Reduction. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 5623-5628	0.7	1
225	Adaptive Control for Nonlinear Systems with Time-Varying Parameters and Control Coefficient. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 3829-3834	0.7	3
224	. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 2107-2122	5.9	4
223	Data-driven constrained optimal model reduction. <i>European Journal of Control</i> , <b>2020</b> , 53, 68-78	2.5	1
222	Singularities and Moments of Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 3647-3654	5.9	2
221	Orbital stabilization of nonlinear systems via the immersion and invariance technique. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 1850-1871	3.6	8
220	. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 4016-4030	5.9	1
219	. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 5312-5327	5.9	5

218	. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 3229-3240	5.9	3
217	Active Damping of a DC Network with a Constant Power Load: An Adaptive Observer-based Design <b>2019</b> ,		3
216	. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 4407-4422	5.9	1
215	An Interconnection-Based Interpretation of the Loewner Matrices <b>2019</b> ,		2
214	Output-Feedback I&I Adaptive Control for Linear Systems with Time-Varying Parameters <b>2019</b> ,		4
213	Robust Moment-Based Energy-Maximising Optimal Control of Wave Energy Converters <b>2019</b> ,		2
212	Moment-based constrained optimal control of an array of wave energy converters <b>2019</b> ,		8
211	Optimal Control for Continuous-time Nonlinear Systems based on a Linear-like Policy Iteration <b>2019</b> ,		1
210	Simulation-driven fixed-order controller tuning via moment matching <b>2019</b> ,		2
209	Output-Feedback Adaptive Control for Systems with Time-Varying Parameters. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 586-591	0.7	3
208	An algebraic approach to dynamic optimisation of nonlinear systems: a survey and some new results. <i>Journal of Control and Decision</i> , <b>2019</b> , 6, 1-29	0.9	5
207	. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 111-126	5.9	8
206	Lateral Control of an Autonomous Vehicle. <i>IEEE Transactions on Intelligent Vehicles</i> , <b>2018</b> , 3, 228-237	5	35
205	Energy shaping control for buckBoost converters with unknown constant power load. <i>Control Engineering Practice</i> , <b>2018</b> , 74, 33-43	3.9	19
204	. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 1943-1958	5.9	9
203	Adaptive Control of Linear Systems with Time-Varying Parameters <b>2018</b> ,		8
202	Shared-Control for the Lateral Motion of Vehicles <b>2018</b> ,		1
201	Under-Actuated Back-Stepping: An Introduction <b>2018</b> ,		4

200	I&I Adaptive Control for Systems with Varying Parameters <b>2018</b> ,		9
199	Discretization schemes for constraint stabilization in nonlinear differential-algebraic systems <b>2018</b> ,		1
198	Energy-maximising control of wave energy converters using a moment-domain representation. <i>Control Engineering Practice</i> , <b>2018</b> , 81, 85-96	3.9	29
197	Robust balancing control of flexible inverted-pendulum systems. <i>Mechanism and Machine Theory</i> , <b>2018</b> , 130, 539-551	4	18
196	A globally stable convergent algorithm for the integration of constrained mechanical systems <b>2018</b> ,		2
195	Data-driven model reduction by moment matching for linear and nonlinear systems. <i>Automatica</i> , <b>2017</b> , 79, 340-351	5.7	43
194	. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 5666-5677	5.9	20
193	A Differential Game Approach to Multi-agent Collision Avoidance. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 4229-4235	5.9	67
192	Shared-Control for a Rear-Wheel Drive Car: Dynamic Environments and Disturbance Rejection. <i>IEEE Transactions on Human-Machine Systems</i> , <b>2017</b> , 47, 723-734	4.1	12
191	A Review on Model Reduction by Moment Matching for Nonlinear Systems. <i>Lecture Notes in Control and Information Sciences</i> , <b>2017</b> , 29-52	0.5	
190	Nonlinear Model Reduction by Moment Matching. <i>Foundations and Trends in Systems and Control</i> , <b>2017</b> , 4, 224-409	4	21
189	Moments of random variables: A system-theoretic interpretation <b>2017</b> ,		1
188	Model reduction for linear differential inclusions: moment-set and time-variance <b>2017</b> ,		3
187	Robust H <sub>∞</sub> Control for Autonomous Scooters. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 297-302	0.7	0
186	Model reduction by moment matching at isolated singularities for linear systems: a complex analytic approach. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 6350-6354	0.7	4
185	A note on the stability of nonlinear differential-algebraic systems. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 7421-7426		0
184	A lateral control assistant for the dynamic model of vehicles subject to state constraints <b>2017</b> ,		7
183	Eigenvalues and poles of nonlinear systems: A geometric approach <b>2017</b> ,		3

182	On the stability of constrained mechanical systems <b>2017</b> ,		3
181	Model reduction by moment matching at isolated singularities for linear systems: A geometric approach <b>2017</b> ,		3
180	<b>2017</b> ,		3
179	Robust Shared-Control for Rear-Wheel Drive Cars <b>2017</b> , 15-40		1
178	. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 1438-1451	5.9	49
177	. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 648-661	5.9	7
176	An adaptive observer for a class of parabolic PDEs based on a convex optimization approach for backstepping PDE design <b>2016</b> ,		3
175	Nonlinear system identification for autonomous systems via functional equations methods <b>2016</b> ,		4
174	A Note on Delay Coordinates for Locally Observable Analytic Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 1409-1412	5.9	2
173	. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 1882-1894	5.9	9
172	State and Output-Feedback Shared-Control for a Class of Linear Constrained Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 3209-3214	5.9	15
171	. <i>IEEE Transactions on Power Electronics</i> , <b>2016</b> , 31, 8448-8460	7.2	15
170	Model Reduction by Matching the Steady-State Response of Explicit Signal Generators. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 1995-2000	5.9	25
169	Constrained optimal reduced-order models from input/output data <b>2016</b> ,		6
168	A geometric characterisation of persistently exciting signals generated by continuous-time autonomous systems. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 826-831	0.7	4
167	Model reduction for hybrid systems with state-dependent jumps. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 850-855	0.7	10
166	Backstepping PDE-based adaptive observer for a Single Particle Model of Lithium-Ion Batteries <b>2016</b> ,		1
165	Shared Control for the Kinematic and Dynamic Models of a Mobile Robot. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 2112-2124	4.8	22

164	. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 2837-2847	5.9	20
163	. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 950-965	5.9	34
162	Characterization of the moments of a linear system driven by explicit signal generators <b>2015</b> ,		13
161	Towards deterministic subspace identification for autonomous nonlinear systems <b>2015</b> ,		2
160	Model reduction for nonlinear systems and nonlinear time-delay systems from input/output data <b>2015</b> ,		5
159	Some results on disturbance attenuation for Hamiltonian systems via direct discrete-time design. <i>International Journal of Robust and Nonlinear Control</i> , <b>2015</b> , 25, 1927-1940	3.6	2
158	Backstepping PDE design, Volterra and Fredholm operators: A convex optimization approach <b>2015</b> ,		3
157	Shared-control for the kinematic model of a rear-wheel drive car <b>2015</b> ,		5
156	Shared-control for a UAV operating in the 3D space <b>2015</b> ,		2
155	Dimension estimation for autonomous nonlinear systems <b>2015</b> ,		1
154	Model reduction for linear systems and linear time-delay systems from input/output data <b>2015</b> ,		12
153	. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 2350-2361	5.9	36
152	Immune Response Enhancement Strategy via Hybrid Control Perspective. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 1-26	0.9	
151	Dynamic generalized controllability and observability functions with applications to model reduction and sensor deployment. <i>Automatica</i> , <b>2014</b> , 50, 1349-1359	5.7	10
150	Conditions for stability of droop-controlled inverter-based microgrids. <i>Automatica</i> , <b>2014</b> , 50, 2457-2469	5.7	256
149	Semi-Global Multi-Frequency Estimation in the Presence of Deadzone and Saturation. <i>IEEE Transactions on Automatic Control</i> , <b>2014</b> , 59, 1913-1918	5.9	4
148	Solution to the multi-machine transient stability problem and simulated validation in realistic scenarios. <i>IET Generation, Transmission and Distribution</i> , <b>2014</b> , 8, 1392-1405	2.5	3
147	A two-point boundary value formulation of a mean-field crowd-averse game. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 7819-7824		0

146	Stability of Synchronized Motions of InverterBased Microgrids Under Droop Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 6361-6367		8
145	Shared-control for the kinematic model of a mobile robot <b>2014</b> ,		6
144	Model reduction by moment matching for ZIP systems <b>2014</b> ,		1
143	Output-feedback shared-control for fully actuated linear mechanical systems <b>2014</b> ,		2
142	Model reduction by moment matching for nonlinear time-delay systems <b>2014</b> ,		4
141	Families of moment matching based, low order approximations for linear systems. <i>Systems and Control Letters</i> , <b>2014</b> , 64, 47-56	2.4	35
140	Approximate Solution of HJBE and Optimal Control in Internal Combustion Engines. <i>Lecture Notes in Control and Information Sciences</i> , <b>2014</b> , 59-73	0.5	
139	Dynamics of Autoimmune Diseases <b>2014</b> , 491-500		
138	Voltage Regulation of a Boost Converter in Discontinuous Conduction Mode: A Simple Robust Adaptive Feedback Controller. <i>IEEE Control Systems</i> , <b>2013</b> , 33, 55-65	2.9	6
137	Families of moment matching based, structure preserving approximations for linear port Hamiltonian systems. <i>Automatica</i> , <b>2013</b> , 49, 2424-2434	5.7	17
136	Dynamic Lyapunov functions. <i>Automatica</i> , <b>2013</b> , 49, 1058-1067	5.7	12
135	Passivity-based control of AC drives: theory for the user and application examples. <i>International Journal of Control</i> , <b>2013</b> , 86, 625-635	1.5	7
134	Sensorless Estimation and Nonlinear Control of a Rotational Energy Harvester. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 476, 012052	0.3	1
133	Shared-control for fully actuated linear mechanical systems <b>2013</b> ,		8
132	Application of Hamiltonian dynamics to manipulator control in constrained workspace <b>2013</b> ,		1
131	Moment matching for nonlinear port Hamiltonian and gradient systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 395-399		5
130	The Design and Control of a Bipedal Robot with Sensory Feedback. <i>International Journal of Advanced Robotic Systems</i> , <b>2013</b> , 10, 277	1.4	3
129	A stochastic approach to distributed power frequency control by means of smart appliances <b>2012</b> ,		3



128	Immersion and invariance adaptive control for discrete time systems in strict feedback form. <i>Systems and Control Letters</i> , <b>2012</b> , 61, 1132-1137	2.4	24
127	. <i>IEEE Transactions on Automatic Control</i> , <b>2012</b> , 57, 2490-2503	5.9	55
126	Hamiltonian-Based Clustering: Algorithms for Static and Dynamic Clustering in Data Mining and Image Processing. <i>IEEE Control Systems</i> , <b>2012</b> , 32, 74-91	2.9	19
125	A solution to the problem of transient stability of multimachine power systems <b>2012</b> ,		12
124	A weak version of the small-gain theorem <b>2012</b> ,		6
123	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2011</b> , 19, 601-614	4.8	94
122	Sampled-data adaptive control for a class of nonlinear systems with parametric uncertainties. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 1261-1266		5
121	Moment matching for linear systems [b]review and new results*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 12739-12744		1
120	Passivity and robust PI control of the air supply system of a PEM fuel cell model. <i>Automatica</i> , <b>2011</b> , 47, 2554-2561	5.7	35
119	Asymptotic stabilization of passive systems without damping injection: A sampled integral technique. <i>Automatica</i> , <b>2011</b> , 47, 262-271	5.7	20
118	A discrete-time observer design for spacecraft attitude determination using an orthogonality-preserving algorithm. <i>Automatica</i> , <b>2011</b> , 47, 975-980	5.7	18
117	Discrete time immersion and invariance adaptive control for systems in strict feedback form <b>2011</b> ,		6
116	Global stabilization of non-globally linearizable triangular systems: Application to transient stability of power systems <b>2011</b> ,		9
115	Contraction and observer design on cones <b>2011</b> ,		18
114	A LaSalle version of Matrosov theorem <b>2011</b> ,		7
113	Stochastic Detectability and Mean Bounded Error Covariance of the Recursive Kalman Filter with Markov Jump Parameters. <i>Stochastic Analysis and Applications</i> , <b>2010</b> , 28, 190-201	1.1	1
112	Model Reduction by Moment Matching for Linear and Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2010</b> , 55, 2321-2336	5.9	165
111	A Condition for Certainty Equivalence Output Feedback Stabilization of Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2010</b> , 55, 1180-1185	5.9	9

110	Characterization of Exponential Divergence of the Kalman Filter for Time-Varying Systems. <i>SIAM Journal on Control and Optimization</i> , <b>2010</b> , 48, 2917-2944	1.9	4
109	Sensorless Control of Surface-Mount Permanent-Magnet Synchronous Motors Based on a Nonlinear Observer. <i>IEEE Transactions on Power Electronics</i> , <b>2010</b> , 25, 290-297	7.2	135
108	Hybrid Observer for multi-frequency signals. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2010</b> , 43, 43-48		3
107	A globally exponentially convergent immersion and invariance speed observer for mechanical systems with non-holonomic constraints. <i>Automatica</i> , <b>2010</b> , 46, 182-189	5.7	101
106	Observer design for range and orientation identification. <i>Automatica</i> , <b>2010</b> , 46, 1369-1375	5.7	20
105	Model reduction by moment matching for switched power converters <b>2009</b> ,		6
104	Estimation of the dynamics of two-dimensional clusters <b>2009</b> ,		2
103	Asymptotic stabilization of passive systems without damping injection: A sampled integral-approximation technique <b>2009</b> ,		1
102	Speed and load torque observer for rotating machines <b>2009</b> ,		7
101	Integrator forwarding without PDEs <b>2009</b> ,		4
100	Homogeneity in the bi-limit as a tool for observer and feedback design <b>2009</b> ,		1
99	Dynamic extension is unnecessary for stabilization via interconnection and damping assignment passivity-based control. <i>Systems and Control Letters</i> , <b>2009</b> , 58, 133-135	2.4	11
98	Asymptotic tracking of a reference trajectory by output-feedback for a class of non linear systems. <i>Systems and Control Letters</i> , <b>2009</b> , 58, 652-663	2.4	15
97	Dynamic scaling and observer design with application to adaptive control. <i>Automatica</i> , <b>2009</b> , 45, 2883-2889	5.7	69
96	On global extremum seeking in the presence of local extrema. <i>Automatica</i> , <b>2009</b> , 45, 245-251	5.7	122
95	High gain observers with updated gain and homogeneous correction terms. <i>Automatica</i> , <b>2009</b> , 45, 422-428	5.7	143
94	Asymptotic stabilization via control by interconnection of port-Hamiltonian systems. <i>Automatica</i> , <b>2009</b> , 45, 1611-1618	5.7	21
93	Switching-Driving Lyapunov Function and the Stabilization of the Ball-and-Plate System. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 1881-1886	5.9	12

92	A globally exponentially convergent immersion and invariance speed observer for n degrees of freedom mechanical systems <b>2009</b> ,		19
91	Existence, stability and robustness analysis of limit cycles in hybrid anti-lock braking systems. <i>International Journal of Control</i> , <b>2009</b> , 82, 659-678	1.5	28
90	Hybrid Observer for Global Frequency Estimation of Saturated Signals. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 2461-2464	5.9	12
89	A Nonlinear Tracking Controller for Voltage-Fed Induction Motors With Uncertain Load Torque. <i>IEEE Transactions on Control Systems Technology</i> , <b>2009</b> , 17, 608-619	4.8	83
88	Activation of Immune Response in Disease Dynamics via Controlled Drug Scheduling. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2009</b> , 6, 248-255	4.9	16
87	Partial Stability for a Class of Nonlinear Systems. <i>SIAM Journal on Control and Optimization</i> , <b>2009</b> , 47, 3203-3219	1.9	2
86	. <i>IEEE Transactions on Automatic Control</i> , <b>2008</b> , 53, 2602-2614	5.9	83
85	Nonlinear and Adaptive Control with Applications. <i>Communications and Control Engineering</i> , <b>2008</b> ,	0.6	206
84	Homogeneous Approximation, Recursive Observer Design, and Output Feedback. <i>SIAM Journal on Control and Optimization</i> , <b>2008</b> , 47, 1814-1850	1.9	446
83	Design of Positive Linear Observers for Positive Linear Systems via Coordinate Transformations and Positive Realizations. <i>SIAM Journal on Control and Optimization</i> , <b>2008</b> , 47, 345-373	1.9	57
82	Control of HIV Infection Dynamics. <i>IEEE Control Systems</i> , <b>2008</b> , 28, 28-39	2.9	35
81	Observer design for a class of nonlinear systems using dynamic scaling with application to adaptive control <b>2008</b> ,		19
80	Model reduction by moment matching for nonlinear systems <b>2008</b> ,		15
79	Stabilization of a class of non-holonomic systems by means of switching control laws <b>2008</b> ,		2
78	Control by Interconnection and Standard Passivity-Based Control of Port-Hamiltonian Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2008</b> , 53, 2527-2542	5.9	185
77	Finite-time control of cross-chained nonholomic systems by switched state feedback <b>2008</b> ,		5
76	Control of a planar system with quantized and saturated input/output. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2008</b> , 55, 932-942	3.9	17
75	Extremum seeking without external dithering and its application to plasma RF heating on FTU <b>2008</b> ,		3

74	A minimal dimension observer for global frequency estimation <b>2008</b> ,		15
73	<b>2008</b> ,		2
72	A necessary and sufficient condition for semi-stability of the recursive Kalman filter <b>2008</b> ,		2
71	On the stability of the recursive Kalman filter for linear time-invariant systems <b>2008</b> ,		6
70	<b>2008</b> ,		5
69	Partial Semi-Stability for a Class of Nonlinear Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 1442-1447		
68	Towards applied nonlinear adaptive control. <i>Annual Reviews in Control</i> , <b>2008</b> , 32, 136-148	10.3	33
67	Robust nonlinear output feedback control for brake by wire control systems. <i>Automatica</i> , <b>2008</b> , 44, 1078-1087	5.7	79
66	Global asymptotic stabilization of the attitude and the angular rates of an underactuated non-symmetric rigid body. <i>Automatica</i> , <b>2008</b> , 44, 1781-1789	5.7	33
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