

Alessandro Astolfi

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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	. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 590-606	5.9	457
252	Homogeneous Approximation, Recursive Observer Design, and Output Feedback. <i>SIAM Journal on Control and Optimization</i> , 2008 , 47, 1814-1850	1.9	446
251	Conditions for stability of droop-controlled inverter-based microgrids. <i>Automatica</i> , 2014 , 50, 2457-2469	5.7	256
250	Nonlinear and Adaptive Control with Applications. <i>Communications and Control Engineering</i> , 2008 ,	0.6	206
249	. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 1936-1955	5.9	188
248	Control by Interconnection and Standard Passivity-Based Control of Port-Hamiltonian Systems. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 2527-2542	5.9	185
247	Model Reduction by Moment Matching for Linear and Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 2321-2336	5.9	165
246	Spacecraft attitude control using magnetic actuators. <i>Automatica</i> , 2004 , 40, 1405-1414	5.7	159
245	High gain observers with updated gain and homogeneous correction terms. <i>Automatica</i> , 2009 , 45, 422-438	5.7	143
244	Sensorless Control of Surface-Mount Permanent-Magnet Synchronous Motors Based on a Nonlinear Observer. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 290-297	7.2	135
243	Transient stabilization of multimachine power systems with nontrivial transfer conductances. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 60-75	5.9	128
242	On global extremum seeking in the presence of local extrema. <i>Automatica</i> , 2009 , 45, 245-251	5.7	122
241	Nonlinear control of feedforward systems with bounded signals. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 1975-1990	5.9	118
240	Stabilization of continuous-time switched nonlinear systems. <i>Systems and Control Letters</i> , 2008 , 57, 95-103	4.3	114
239	A globally exponentially convergent immersion and invariance speed observer for mechanical systems with non-holonomic constraints. <i>Automatica</i> , 2010 , 46, 182-189	5.7	101
238	. <i>IEEE Transactions on Control Systems Technology</i> , 2011 , 19, 601-614	4.8	94
237	Two solutions to the adaptive visual servoing problem. <i>IEEE Transactions on Automation Science and Engineering</i> , 2002 , 18, 387-392		84

236	A Nonlinear Tracking Controller for Voltage-Fed Induction Motors With Uncertain Load Torque. <i>IEEE Transactions on Control Systems Technology</i> , 2009 , 17, 608-619	4.8	83
235	. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 2602-2614	5.9	83
234	Path-tracking of a tractor-trailer vehicle along rectilinear and circular paths: a Lyapunov-based approach. <i>IEEE Transactions on Automation Science and Engineering</i> , 2004 , 20, 154-160		81
233	Robust nonlinear output feedback control for brake by wire control systems. <i>Automatica</i> , 2008 , 44, 1078-1087	5.7	79
232	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2006 , 42, 796-805	3.7	76
231	Total Energy Shaping Control of Mechanical Systems: Simplifying the Matching Equations Via Coordinate Changes. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 1093-1099	5.9	70
230	Nonlinear adaptive control of systems in feedback form: An alternative to adaptive backstepping. <i>Systems and Control Letters</i> , 2008 , 57, 733-739	2.4	70
229	Dynamic scaling and observer design with application to adaptive control. <i>Automatica</i> , 2009 , 45, 2883-2889	5.7	69
228	Robust stabilization of chained systems via hybrid control. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 1768-1772	5.9	69
227	A Differential Game Approach to Multi-agent Collision Avoidance. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 4229-4235	5.9	67
226	A new solution to the problem of range identification in perspective vision systems. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 2074-2077	5.9	64
225	Continuous stirred tank reactors: easy to stabilise?. <i>Automatica</i> , 2003 , 39, 1817-1827	5.7	64
224	A tight small-gain theorem for not necessarily ISS systems. <i>Systems and Control Letters</i> , 2007 , 56, 87-91	2.4	59
223	Immersion and invariance adaptive control of linear multivariable systems. <i>Systems and Control Letters</i> , 2003 , 49, 37-47	2.4	58
222	Design of Positive Linear Observers for Positive Linear Systems via Coordinate Transformations and Positive Realizations. <i>SIAM Journal on Control and Optimization</i> , 2008 , 47, 345-373	1.9	57
221	Output-feedback stabilization of a class of uncertain non-minimum-phase nonlinear systems. <i>Automatica</i> , 2005 , 41, 1609-1615	5.7	56
220	. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 2490-2503	5.9	55
219	Discontinuous control of high-order generalized chained systems. <i>Systems and Control Letters</i> , 1999 , 37, 309-322	2.4	55

218	On feedback equivalence to port controlled Hamiltonian systems. <i>Systems and Control Letters</i> , 2005 , 54, 911-917	2.4	53
217	Two results for adaptive output feedback stabilization of nonlinear systems. <i>Automatica</i> , 2003 , 39, 857-866	5.7	51
216	A constructive solution for stabilization via immersion and invariance: The cart and pendulum system. <i>Automatica</i> , 2008 , 44, 2352-2357	5.7	50
215	. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 1438-1451	5.9	49
214	Global Magnetic Attitude Control of Inertially Pointing Spacecraft. <i>Journal of Guidance, Control, and Dynamics</i> , 2005 , 28, 1065-1072	2.1	47
213	Global complete observability and output-to-state stability imply the existence of a globally convergent observer. <i>Mathematics of Control, Signals, and Systems</i> , 2006 , 18, 32-65	1.3	46
212	Input-to-state stability for discrete-time time-varying systems with applications to robust stabilization of systems in power form. <i>Automatica</i> , 2005 , 41, 1891-1903	5.7	45
211	Norm estimators and global output feedback stabilization of nonlinear systems WithISS inverse dynamics. <i>IEEE Transactions on Automatic Control</i> , 2006 , 51, 493-498	5.9	44
210	. <i>IEEE Transactions on Control Systems Technology</i> , 2003 , 11, 495-504	4.8	44
209	Data-driven model reduction by moment matching for linear and nonlinear systems. <i>Automatica</i> , 2017 , 79, 340-351	5.7	43
208	Nonlinear PI control of uncertain systems: an alternative to parameter adaptation. <i>Systems and Control Letters</i> , 2002 , 47, 259-278	2.4	40
207	Further constructive results on interconnection and damping assignment control of mechanical systems: the Acrobot example. <i>International Journal of Robust and Nonlinear Control</i> , 2006 , 16, 671-685	3.6	38
206	. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 2350-2361	5.9	36
205	Asymptotic stabilization of some equilibria of an underactuated underwater vehicle. <i>Systems and Control Letters</i> , 2002 , 45, 193-206	2.4	36
204	Lateral Control of an Autonomous Vehicle. <i>IEEE Transactions on Intelligent Vehicles</i> , 2018 , 3, 228-237	5	35
203	Families of moment matching based, low order approximations for linear systems. <i>Systems and Control Letters</i> , 2014 , 64, 47-56	2.4	35
202	Passivity and robust PI control of the air supply system of a PEM fuel cell model. <i>Automatica</i> , 2011 , 47, 2554-2561	5.7	35
201	Control of HIV Infection Dynamics. <i>IEEE Control Systems</i> , 2008 , 28, 28-39	2.9	35

200	. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 950-965	5.9	34
199	Discontinuous Control of the Brockett Integrator. <i>European Journal of Control</i> , 1998 , 4, 49-63	2.5	33
198	Towards applied nonlinear adaptive control. <i>Annual Reviews in Control</i> , 2008 , 32, 136-148	10.3	33
197	Global asymptotic stabilization of the attitude and the angular rates of an underactuated non-symmetric rigid body. <i>Automatica</i> , 2008 , 44, 1781-1789	5.7	33
196	Stabilization and Disturbance Attenuation of Nonlinear Systems Using Dissipativity Theory. <i>European Journal of Control</i> , 2002 , 8, 408-431	2.5	31
195	Output feedback stabilization of the angular velocity of a rigid body. <i>Systems and Control Letters</i> , 1999 , 36, 181-192	2.4	31
194	State and output feedback stabilization of multiple chained systems with discontinuous control. <i>Systems and Control Letters</i> , 1997 , 32, 49-56	2.4	30
193	An experimental comparison of several PWM controllers for a single-phase AC-DC converter. <i>IEEE Transactions on Control Systems Technology</i> , 2003 , 11, 940-947	4.8	29
192	A note on asymptotic stabilization of linear systems by periodic, piecewise constant, output feedback. <i>Automatica</i> , 2005 , 41, 339-344	5.7	29
191	Energy-maximising control of wave energy converters using a moment-domain representation. <i>Control Engineering Practice</i> , 2018 , 81, 85-96	3.9	29
190	Existence, stability and robustness analysis of limit cycles in hybrid anti-lock braking systems. <i>International Journal of Control</i> , 2009 , 82, 659-678	1.5	28
189	Robust stabilization of the angular velocity of a rigid body. <i>Systems and Control Letters</i> , 1998 , 34, 257-264	4.4	27
188	Model Reduction by Matching the Steady-State Response of Explicit Signal Generators. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 1995-2000	5.9	25
187	Immersion and invariance adaptive control for discrete time systems in strict feedback form. <i>Systems and Control Letters</i> , 2012 , 61, 1132-1137	2.4	24
186	Construction of discrete-time models for port-controlled Hamiltonian systems with applications. <i>Systems and Control Letters</i> , 2006 , 55, 673-680	2.4	23
185	Shared Control for the Kinematic and Dynamic Models of a Mobile Robot. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 2112-2124	4.8	22
184	. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 2265-2272	5.9	22
183	Nonlinear Model Reduction by Moment Matching. <i>Foundations and Trends in Systems and Control</i> , 2017 , 4, 224-409	4	21

182	Asymptotic stabilization via control by interconnection of port-Hamiltonian systems. <i>Automatica</i> , 2009 , 45, 1611-1618	5.7	21
181	. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 5666-5677	5.9	20
180	Asymptotic stabilization of passive systems without damping injection: A sampled integral technique. <i>Automatica</i> , 2011 , 47, 262-271	5.7	20
179	Observer design for range and orientation identification. <i>Automatica</i> , 2010 , 46, 1369-1375	5.7	20
178	. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 2837-2847	5.9	20
177	Energy shaping control for buckBoost converters with unknown constant power load. <i>Control Engineering Practice</i> , 2018 , 74, 33-43	3.9	19
176	Hamiltonian-Based Clustering: Algorithms for Static and Dynamic Clustering in Data Mining and Image Processing. <i>IEEE Control Systems</i> , 2012 , 32, 74-91	2.9	19
175	A globally exponentially convergent immersion and invariance speed observer for n degrees of freedom mechanical systems 2009 ,		19
174	Observer design for a class of nonlinear systems using dynamic scaling with application to adaptive control 2008 ,		19
173	A discrete-time observer design for spacecraft attitude determination using an orthogonality-preserving algorithm. <i>Automatica</i> , 2011 , 47, 975-980	5.7	18
172	Contraction and observer design on cones 2011 ,		18
171	A new look at model reduction by moment matching for linear systems 2007 ,		18
170	On the stabilization of feedforward systems with bounded control. <i>Systems and Control Letters</i> , 2005 , 54, 263-270	2.4	18
169	Robust balancing control of flexible inverted-pendulum systems. <i>Mechanism and Machine Theory</i> , 2018 , 130, 539-551	4	18
168	Families of moment matching based, structure preserving approximations for linear port Hamiltonian systems. <i>Automatica</i> , 2013 , 49, 2424-2434	5.7	17
167	Control of a planar system with quantized and saturated input/output. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2008 , 55, 932-942	3.9	17
166	Activation of Immune Response in Disease Dynamics via Controlled Drug Scheduling. <i>IEEE Transactions on Automation Science and Engineering</i> , 2009 , 6, 248-255	4.9	16
165	State and Output-Feedback Shared-Control for a Class of Linear Constrained Systems. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3209-3214	5.9	15

164	. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 8448-8460	7.2	15
163	Asymptotic tracking of a reference trajectory by output-feedback for a class of non linear systems. <i>Systems and Control Letters</i> , 2009 , 58, 652-663	2.4	15
162	Model reduction by moment matching for nonlinear systems 2008 ,		15
161	A minimal dimension observer for global frequency estimation 2008 ,		15
160	Characterization of the moments of a linear system driven by explicit signal generators 2015 ,		13
159	Practical L2 disturbance attenuation for nonlinear systems. <i>Automatica</i> , 2002 , 38, 139-145	5.7	13
158	Shared-Control for a Rear-Wheel Drive Car: Dynamic Environments and Disturbance Rejection. <i>IEEE Transactions on Human-Machine Systems</i> , 2017 , 47, 723-734	4.1	12
157	Dynamic Lyapunov functions. <i>Automatica</i> , 2013 , 49, 1058-1067	5.7	12
156	Model reduction for linear systems and linear time-delay systems from input/output data 2015 ,		12
155	Switching-Driving Lyapunov Function and the Stabilization of the Ball-and-Plate System. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1881-1886	5.9	12
154	A solution to the problem of transient stability of multimachine power systems 2012 ,		12
153	Hybrid Observer for Global Frequency Estimation of Saturated Signals. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 2461-2464	5.9	12
152	. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 1986-2001	5.9	12
151	Dynamic extension is unnecessary for stabilization via interconnection and damping assignment passivity-based control. <i>Systems and Control Letters</i> , 2009 , 58, 133-135	2.4	11
150	Dynamic generalized controllability and observability functions with applications to model reduction and sensor deployment. <i>Automatica</i> , 2014 , 50, 1349-1359	5.7	10
149	Model reduction for hybrid systems with state-dependent jumps. <i>IFAC-PapersOnLine</i> , 2016 , 49, 850-855	0.7	10
148	. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 1943-1958	5.9	9
147	. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 1882-1894	5.9	9

146	A Condition for Certainty Equivalence Output Feedback Stabilization of Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 1180-1185	5.9	9
145	Global stabilization of non-globally linearizable triangular systems: Application to transient stability of power systems 2011 ,		9
144	I&I Adaptive Control for Systems with Varying Parameters 2018 ,		9
143	Adaptive Control of Linear Systems with Time-Varying Parameters 2018 ,		8
142	Stability of Synchronized Motions of Inverter-Based Microgrids Under Droop Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 6361-6367		8
141	Shared-control for fully actuated linear mechanical systems 2013 ,		8
140	DISCRETE-TIME IDA-PBC DESIGN FOR SEPARABLE HAMILTONIAN SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 838-843		8
139	Trading robustness with optimality in nonlinear control. <i>Automatica</i> , 2001 , 37, 1961-1969	5.7	8
138	Orbital stabilization of nonlinear systems via the immersion and invariance technique. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 1850-1871	3.6	8
137	Moment-based constrained optimal control of an array of wave energy converters 2019 ,		8
136	. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 111-126	5.9	8
135	Adaptive Formation Tracking Control for First-Order Agents in a Time-Varying Flowfield. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	8
134	Adaptive Formation Tracking Control of Directed Networked Vehicles in a Time-Varying Flowfield. <i>Journal of Guidance, Control, and Dynamics</i> , 2021 , 44, 1883-1891	2.1	8
133	. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 648-661	5.9	7
132	Robust dynamic state feedback for underactuated systems with linearly parameterized disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 4112-4128	3.6	7
131	A lateral control assistant for the dynamic model of vehicles subject to state constraints 2017 ,		7
130	Passivity-based control of AC drives: theory for the user and application examples. <i>International Journal of Control</i> , 2013 , 86, 625-635	1.5	7
129	Speed and load torque observer for rotating machines 2009 ,		7

128	A LaSalle version of Matrosov theorem 2011 ,		7
127	New Results on the Global Stabilization of Minimum-Phase Nonlinear Systems. <i>Automatica</i> , 1998 , 34, 783-788	5.7	7
126	Stabilization of Uncertain Nonlinear Systems via Immersion and Invariance. <i>European Journal of Control</i> , 2007 , 13, 204-220	2.5	7
125	Reduced-order observer design for systems with non-monotonic nonlinearities 2006 ,		7
124	Adaptive energy shaping control of robotic needle insertion. <i>Mechanism and Machine Theory</i> , 2021 , 155, 104060	4	7
123	Voltage Regulation of a Boost Converter in Discontinuous Conduction Mode: A Simple Robust Adaptive Feedback Controller. <i>IEEE Control Systems</i> , 2013 , 33, 55-65	2.9	6
122	Shared-control for the kinematic model of a mobile robot 2014 ,		6
121	Model reduction by moment matching for switched power converters 2009 ,		6
120	Discrete time immersion and invariance adaptive control for systems in strict feedback form 2011 ,		6
119	A weak version of the small-gain theorem 2012 ,		6
118	On the stability of the recursive Kalman filter for linear time-invariant systems 2008 ,		6
117	Reduced-order observer design for nonlinear systems 2007 ,		6
116	Constrained optimal reduced-order models from input/output data 2016 ,		6
115	Model reduction for nonlinear systems and nonlinear time-delay systems from input/output data 2015 ,		5
114	Shared-control for the kinematic model of a rear-wheel drive car 2015 ,		5
113	Moment matching for nonlinear port Hamiltonian and gradient systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 395-399		5
112	Sampled-data adaptive control for a class of nonlinear systems with parametric uncertainties. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 1261-1266		5
111	Finite-time control of cross-chained nonholomic systems by switched state feedback 2008 ,		5

110	2008,		5
109	Positive Linear Observer Design via Positive Realization. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	5
108	Robust Nonlinear Proportional-Integral Control for Active Braking Control Systems 2006 ,		5
107	Hankel/Toeplitz matrices and the static output feedback stabilization problem. <i>Mathematics of Control, Signals, and Systems</i> , 2005 , 17, 231-268	1.3	5
106	. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 5312-5327	5.9	5
105	An algebraic approach to dynamic optimisation of nonlinear systems: a survey and some new results. <i>Journal of Control and Decision</i> , 2019 , 6, 1-29	0.9	5
104	. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 1-15	4.8	5
103	Adaptive energy shaping control of a class of nonlinear soft continuum manipulators. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-1	5.5	5
102	Stability of nonlinear differential-algebraic systems via additive identity. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020 , 7, 929-941	7	4
101	Nonlinear system identification for autonomous systems via functional equations methods 2016 ,		4
100	Semi-Global Multi-Frequency Estimation in the Presence of Deadzone and Saturation. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 1913-1918	5.9	4
99	Model reduction by moment matching at isolated singularities for linear systems: a complex analytic approach. <i>IFAC-PapersOnLine</i> , 2017 , 50, 6350-6354	0.7	4
98	Model reduction by moment matching for nonlinear time-delay systems 2014 ,		4
97	Characterization of Exponential Divergence of the Kalman Filter for Time-Varying Systems. <i>SIAM Journal on Control and Optimization</i> , 2010 , 48, 2917-2944	1.9	4
96	Integrator forwarding without PDEs 2009 ,		4
95	A NOTE ON A PIECEWISE-LINEAR DUFFING-TYPE SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 4425-4429	2	4
94	Existence Conditions and a Constructive Design of Positive Linear Observers for Positive Linear Systems 2006 ,		4
93	Transformations of Nonlinear Systems to High-Order Generalized Chained Forms. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2005 , 127, 729-733	1.6	4

92	. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 2107-2122	5.9	4
91	A geometric characterisation of persistently exciting signals generated by continuous-time autonomous systems. <i>IFAC-PapersOnLine</i> , 2016 , 49, 826-831	0.7	4
90	Output-Feedback I&I Adaptive Control for Linear Systems with Time-Varying Parameters 2019 ,		4
89	Under-Actuated Back-Stepping: An Introduction 2018 ,		4
88	Active Damping of a DC Network with a Constant Power Load: An Adaptive Observer-based Design 2019 ,		3
87	An adaptive observer for a class of parabolic PDEs based on a convex optimization approach for backstepping PDE design 2016 ,		3
86	Solution to the multi-machine transient stability problem and simulated validation in realistic scenarios. <i>IET Generation, Transmission and Distribution</i> , 2014 , 8, 1392-1405	2.5	3
85	Model reduction for linear differential inclusions: moment-set and time-variance 2017 ,		3
84	Eigenvalues and poles of nonlinear systems: A geometric approach 2017 ,		3
83	On the stability of constrained mechanical systems 2017 ,		3
82	Model reduction by moment matching at isolated singularities for linear systems: A geometric approach 2017 ,		3
81	Backstepping PDE design, Volterra and Fredholm operators: A convex optimization approach 2015 ,		3
80	A stochastic approach to distributed power frequency control by means of smart appliances 2012 ,		3
79	The Design and Control of a Bipedal Robot with Sensory Feedback. <i>International Journal of Advanced Robotic Systems</i> , 2013 , 10, 277	1.4	3
78	Hybrid Observer for multi-frequency signals. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2010 , 43, 43-48		3
77	Extremum seeking without external dithering and its application to plasma RF heating on FTU 2008 ,		3
76	A Globally Stabilizing Time-switching Control Strategy for an Underactuated Rigid Body. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	3
75	Magnetic attitude control of spacecraft with flexible appendages 2006 ,		3

74	A numerical algorithm as an observer for spacecraft attitude determination 2006 ,		3
73	Robust end-point optimizing feedback for nonlinear dynamic processes. <i>International Journal of Control</i> , 1996 , 65, 995-1014	1.5	3
72	Adaptive Control for Nonlinear Systems with Time-Varying Parameters and Control Coefficient. <i>IFAC-PapersOnLine</i> , 2020 , 53, 3829-3834	0.7	3
71	2017 ,		3
70	Position regulation in Cartesian space of a class of inextensible soft continuum manipulators with pneumatic actuation. <i>Mechatronics</i> , 2021 , 76, 102573	3	3
69	Output-Feedback Adaptive Control for Systems with Time-Varying Parameters. <i>IFAC-PapersOnLine</i> , 2019 , 52, 586-591	0.7	3
68	. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 3229-3240	5.9	3
67	A Note on Delay Coordinates for Locally Observable Analytic Systems. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 1409-1412	5.9	2
66	Towards deterministic subspace identification for autonomous nonlinear systems 2015 ,		2
65	Some results on disturbance attenuation for Hamiltonian systems via direct discrete-time design. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 1927-1940	3.6	2
64	Shared-control for a UAV operating in the 3D space 2015 ,		2
63	Output-feedback shared-control for fully actuated linear mechanical systems 2014 ,		2
62	Estimation of the dynamics of two-dimensional clusters 2009 ,		2
61	Partial Stability for a Class of Nonlinear Systems. <i>SIAM Journal on Control and Optimization</i> , 2009 , 47, 3203-3219	1.9	2
60	Stabilization of a class of non-holonomic systems by means of switching control laws 2008 ,		2
59	2008 ,		2
58	A necessary and sufficient condition for semi-stability of the recursive Kalman filter 2008 ,		2
57	Transient Stabilization of Multimachine Power Systems 2006 , 367-386		2

56	TOWARDS APPLIED NONLINEAR ADAPTIVE CONTROL. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007 , 40, 298-309		2
55	A Remark on an Example By Teel & Hespanha With Applications to Cascaded Systems. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 289-293	5.9	2
54	CONTROL OF NONHOLONOMIC SYSTEMS: A SIMPLE STABILIZING TIME-SWITCHING STRATEGY. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 634-639		2
53	Stabilization of a Class of Under-Actuated Nonlinear Systems via Under-Actuated Back-Stepping. <i>IEEE Transactions on Automatic Control</i> , 2020 , 1-1	5.9	2
52	Energy Management and Control of Photovoltaic and Storage Systems in Active Distribution Grids. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	2
51	Singularities and Moments of Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 3647-3654	5.9	2
50	An Interconnection-Based Interpretation of the Loewner Matrices 2019 ,		2
49	Robust Moment-Based Energy-Maximising Optimal Control of Wave Energy Converters 2019 ,		2
48	Simulation-driven fixed-order controller tuning via moment matching 2019 ,		2
47	On the Dynamics of Inherent Balancing of Modular Multilevel DC-ACDC Converters. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 34-40	7.2	2
46	On the Approximation of Moments for Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	2
45	A globally stable convergent algorithm for the integration of constrained mechanical systems 2018 ,		2
44	Energy-maximising moment-based constrained optimal control of ocean wave energy farms. <i>IET Renewable Power Generation</i> , 2021 , 15, 3395	2.9	2
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