Patrizio Tomei

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.

67 papers	1,263 citations	20 h-index	33 g-index
70 ext. papers	1,549 ext. citations	4.3 avg, IF	4.84 L-index

#	Paper	IF	Citations
67	On exponentially convergent parameter estimation with lack of persistency of excitation. *Systems and Control Letters*, **2022**, 159, 105080	2.4	0
66	Analysis of Persistently Excited Nonlinear Systems with Applications. *Lecture Notes in Control and Information Sciences - Proceedings*, **2022**, 121-137	0.2	
65	Hybrid Adaptive Output Feedback Tracking for Stable Systems with Unknown Input Constraints. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	1
64	Nonlinear heart rate control in treadmill/cycle-ergometer exercises under the instability constraint. *Automatica*, **2021**, 127, 109492	5.7	2
63	Nonlinear Robust Coordinated PSS-AVR Control for a Synchronous Generator connected to an Infinite Bus. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	6
62	Adaptive output regulation for minimum-phase systems with unknown relative degree. *Automatica*, **2021**, 130, 109670	5.7	1
61	Global stability for the inner and outer PI control actions in non-salient-pole PMSMs. *Automatica*, **2020**, 117, 108988	5.7	5
60	AC motors: Letter swap potentialities. *Automatica*, **2020**, 113, 108763	5.7	3
59	New exponential convergence properties for Bernard Praly observer and adaptive sensorless control of PMSMs. *Automatica*, **2020**, 121, 109197	5.7	0
58	Adaptive nonlinear control with constrained parallel parameter estimates. *Systems and Control Letters*, **2020**, 143, 104739	2.4	1
57	Nonanticipating Lyapunov Functions for Persistently Excited Nonlinear Systems. *IEEE Transactions on Automatic Control*, **2020**, 65, 2634-2639	5.9	4
56	Learning Position Controls for Hybrid Step Motors: From Current-Fed to Full-Order Models. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 6120-6130	8.9	7
55	Advances on adaptive learning control: The case of non-minimum phase linear systems. *Systems and Control Letters*, **2018**, 115, 55-62	2.4	15
54	Synchronisation control of electric motors through adaptive disturbance cancellation. *International Journal of Control*, **2018**, 91, 2147-2158	1.5	4
53	Persistency of excitation and position-sensorless control of permanent magnet synchronous motors. *Automatica*, **2018**, 95, 328-335	5.7	8
52	Multi-sinusoidal disturbance rejection for discrete-time uncertain stable systems. *Automatica*, **2017**, 79, 144-151	5.7	10
51	Further results on nonlinear tracking control and parameter estimation for induction motors. *Control Engineering Practice*, **2017**, 66, 116-125	3.9	8

50	Hybrid Adaptive Multi-Sinusoidal Disturbance Cancellation. *IEEE Transactions on Automatic Control*, **2017**, 62, 4023-4030	5.9	8
49	Novel algorithms for the synchronization control of nonlinear systems. *International Journal of Adaptive Control and Signal Processing*, **2016**, 30, 608-633	2.8	9
48	Adaptive disturbance rejection for unknown stable linear systems. *Transactions of the Institute of Measurement and Control*, **2016**, 38, 640-647	1.8	13
47	Repetitive learning position control for full order model permanent magnet step motors. *Automatica*, **2016**, 63, 274-286	5.7	9
46	Nonlinear adaptive control for position-sensorless permanent magnet synchronous motors with uncertainties **2016**,		5
45	Space-learning tracking control for permanent magnet step motors. *Automatica*, **2016**, 73, 223-230	5.7	7
44	Synchronization control of DC motors through adaptive disturbance cancellation techniques **2016**,		1
43	Adaptive notch filters are local adaptive observers. *International Journal of Adaptive Control and Signal Processing*, **2016**, 30, 128-146	2.8	12
42	Linear Repetitive Learning Controls for Robotic Manipulators by Pad Approximants. *IEEE Transactions on Control Systems Technology*, **2015**, 23, 2063-2070	4.8	20
41	Output Regulation for Unknown Stable Linear Systems. *IEEE Transactions on Automatic Control*, **2015**, 60, 2213-2218	5.9	32
40	Adaptive cancellation of sinusoidal disturbances for unknown stable plants **2015**,		3
39	Robust Adaptive Compensation of Periodic Disturbances With Unknown Frequency. *IEEE Transactions on Automatic Control*, **2014**, 59, 2760-2765	5.9	13
38	On-Line Identification of Winding Resistances and Load Torque in Induction Machines. *IEEE Transactions on Control Systems Technology*, **2014**, 22, 1629-1637	4.8	45
37	**2014**,		2
36	Experimental heart rate regulation in cycle-ergometer exercises. *IEEE Transactions on Biomedical Engineering*, **2013**, 60, 135-9	5	25
35	Global Adaptive Regulation of Uncertain Nonlinear Systems in Output Feedback Form. *IEEE Transactions on Automatic Control*, **2013**, 58, 2904-2909	5.9	12
34	Robust adaptive observers for unknown linear exosystems. *International Journal of Adaptive Control and Signal Processing*, **2013**, 27, 35-45	2.8	
33	Disturbance cancellation for linear systems by adaptive internal models. *Automatica*, **2013**, 49, 1494-1506	5.7	38

32	Fault-tolerant cruise control of electric vehicles with induction motors. *Control Engineering Practice*, **2013**, 21, 860-869	3.9	34
31	Adaptive Output-Feedback Control of Permanent-Magnet Synchronous Motors **2013**, 341-369		1
30	Robust adaptive compensation of periodic disturbances with unknown frequency **2013**,		2
29	Nonlinear speed tracking control for sensorless PMSMs with unknown load torque: From theory to practice. *Control Engineering Practice*, **2012**, 20, 714-724	3.9	16
28	Nonlinear control techniques for the heart rate regulation in treadmill exercises. *IEEE Transactions on Biomedical Engineering*, **2012**, 59, 599-603	5	38
27	Robust adaptive learning control for nonlinear systems with extended matching unstructured uncertainties. *International Journal of Robust and Nonlinear Control*, **2012**, 22, 645-675	3.6	19
26	Global Learning Position Controls for Permanent-Magnet Step Motors. *IEEE Transactions on Industrial Electronics*, **2011**, 58, 4654-4663	8.9	24
25	Observer-Based Speed Tracking Control for Sensorless Permanent Magnet Synchronous Motors With Unknown Load Torque. *IEEE Transactions on Automatic Control*, **2011**, 56, 1484-1488	5.9	77
24	An adaptive learning regulator for uncertain minimum phase systems with undermodeled unknown exosystems. *Automatica*, **2011**, 47, 739-747	5.7	33
23	A global robust iterative learning position control for current-fed permanent magnet step motors. *Automatica*, **2011**, 47, 227-234	5.7	37
22	Global adaptive learning control of robotic manipulators by output error feedback. *International Journal of Adaptive Control and Signal Processing*, **2009**, 23, 97-109	2.8	11
21	Output Feedback Stabilization of Linear Systems with Unknown Additive Output Sinusoidal Disturbances. *European Journal of Control*, **2008**, 14, 131-148	2.5	16
20	Position learning control for current-fed permanent magnet step motors with uncertainties **2008**,		4
19	A global adaptive learning control for robotic manipulators. *Automatica*, **2008**, 44, 1379-1384	5.7	37
18	Adaptive Learning Control of Nonlinear Systems by Output Error Feedback. *IEEE Transactions on Automatic Control*, **2007**, 52, 1232-1248	5.9	38
17	Adaptive learning control of linear systems by output error feedback. *Automatica*, **2007**, 43, 669-676	5.7	19
16	Output Regulation for Linear Minimum Phase Systems With Unknown Order Exosystem. *IEEE Transactions on Automatic Control*, **2007**, 52, 2000-2005	5.9	28
15	Adaptive Regulation of Uncertain Linear Minimum Phase Systems with Unknown Exosystems **2006**,		4

14	A nonlinear tracking control for sensorless induction motors. *Automatica*, **2005**, 41, 1071-1077	5.7	30
13	Adaptive control for speed-sensorless induction motors with uncertain load torque and rotor resistance. *International Journal of Adaptive Control and Signal Processing*, **2005**, 19, 661-685	2.8	31
12	adaptive learning control of nonlinear systems by output error feedback. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2004**, 37, 153-158		1
11	Adaptive control of linear time-varying systems. *Automatica*, **2003**, 39, 651-659	5.7	53
10	Global adaptive output feedback controllers with application to non-linear friction compensation. *International Journal of Adaptive Control and Signal Processing*, **2002**, 16, 619-634	2.8	2
9	Adaptive Output Feedback Control of Current-Fed Induction Motors with Uncertain Rotor Resistance and Load Torque. *Automatica*, **1998**, 34, 617-624	5.7	43
8	Nonlinear H□disturbance attenuation for robots with flexible joints. *International Journal of Robust and Nonlinear Control*, **1995**, 5, 365-373	3.6	7
7	Self-tuning control of robot manipulators. *International Journal of Adaptive Control and Signal Processing*, **1993**, 7, 405-416	2.8	
6	Robust stabilization of feedback linearizable time-varying uncertain nonlinear systems. *Automatica*, **1993**, 29, 181-189	5.7	176
5	State observers for rigid and elastic joint robots. *Robotics and Computer-Integrated Manufacturing*, **1992**, 9, 113-120	9.2	5
4	Observer-based adaptive stabilization for a class of non-linear systems. *Automatica*, **1992**, 28, 787-793	5.7	21
3	Adaptive observers for a class of multi-output non-linear systems. *International Journal of Adaptive Control and Signal Processing*, **1992**, 6, 353-365	2.8	12
2	Dynamic output feedback linearization and global stabilization. *Systems and Control Letters*, **1991**, 17, 115-121	2.4	105
1	A method for the state estimation of elastic joint robots by global position measurements. *International Journal of Adaptive Control and Signal Processing*, **1990**, 4, 475-486	2.8	10