

Patrizio Tomei

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1383022/patrizio-tomei-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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	Robust stabilization of feedback linearizable time-varying uncertain nonlinear systems. <i>Automatica</i> , 1993 , 29, 181-189	5.7	176
66	Dynamic output feedback linearization and global stabilization. <i>Systems and Control Letters</i> , 1991 , 17, 115-121	2.4	105
65	Observer-Based Speed Tracking Control for Sensorless Permanent Magnet Synchronous Motors With Unknown Load Torque. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 1484-1488	5.9	77
64	Adaptive control of linear time-varying systems. <i>Automatica</i> , 2003 , 39, 651-659	5.7	53
63	On-Line Identification of Winding Resistances and Load Torque in Induction Machines. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 1629-1637	4.8	45
62	Adaptive Output Feedback Control of Current-Fed Induction Motors with Uncertain Rotor Resistance and Load Torque. <i>Automatica</i> , 1998 , 34, 617-624	5.7	43
61	Nonlinear control techniques for the heart rate regulation in treadmill exercises. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 599-603	5	38
60	Disturbance cancellation for linear systems by adaptive internal models. <i>Automatica</i> , 2013 , 49, 1494-1500	5.7	38
59	Adaptive Learning Control of Nonlinear Systems by Output Error Feedback. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 1232-1248	5.9	38
58	A global robust iterative learning position control for current-fed permanent magnet step motors. <i>Automatica</i> , 2011 , 47, 227-234	5.7	37
57	A global adaptive learning control for robotic manipulators. <i>Automatica</i> , 2008 , 44, 1379-1384	5.7	37
56	Fault-tolerant cruise control of electric vehicles with induction motors. <i>Control Engineering Practice</i> , 2013 , 21, 860-869	3.9	34
55	An adaptive learning regulator for uncertain minimum phase systems with undermodeled unknown exosystems. <i>Automatica</i> , 2011 , 47, 739-747	5.7	33
54	Output Regulation for Unknown Stable Linear Systems. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 2213-2218	5.9	32
53	Adaptive control for speed-sensorless induction motors with uncertain load torque and rotor resistance. <i>International Journal of Adaptive Control and Signal Processing</i> , 2005 , 19, 661-685	2.8	31
52	A nonlinear tracking control for sensorless induction motors. <i>Automatica</i> , 2005 , 41, 1071-1077	5.7	30
51	Output Regulation for Linear Minimum Phase Systems With Unknown Order Exosystem. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 2000-2005	5.9	28

50	Experimental heart rate regulation in cycle-ergometer exercises. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 135-9	5	25
49	Global Learning Position Controls for Permanent-Magnet Step Motors. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 4654-4663	8.9	24
48	Observer-based adaptive stabilization for a class of non-linear systems. <i>Automatica</i> , 1992 , 28, 787-793	5.7	21
47	Linear Repetitive Learning Controls for Robotic Manipulators by Pad \hat{A} Approximants. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 2063-2070	4.8	20
46	Robust adaptive learning control for nonlinear systems with extended matching unstructured uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , 2012 , 22, 645-675	3.6	19
45	Adaptive learning control of linear systems by output error feedback. <i>Automatica</i> , 2007 , 43, 669-676	5.7	19
44	Nonlinear speed tracking control for sensorless PMSMs with unknown load torque: From theory to practice. <i>Control Engineering Practice</i> , 2012 , 20, 714-724	3.9	16
43	Output Feedback Stabilization of Linear Systems with Unknown Additive Output Sinusoidal Disturbances. <i>European Journal of Control</i> , 2008 , 14, 131-148	2.5	16
42	Advances on adaptive learning control: The case of non-minimum phase linear systems. <i>Systems and Control Letters</i> , 2018 , 115, 55-62	2.4	15
41	Adaptive disturbance rejection for unknown stable linear systems. <i>Transactions of the Institute of Measurement and Control</i> , 2016 , 38, 640-647	1.8	13
40	Robust Adaptive Compensation of Periodic Disturbances With Unknown Frequency. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 2760-2765	5.9	13
39	Global Adaptive Regulation of Uncertain Nonlinear Systems in Output Feedback Form. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 2904-2909	5.9	12
38	Adaptive observers for a class of multi-output non-linear systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 1992 , 6, 353-365	2.8	12
37	Adaptive notch filters are local adaptive observers. <i>International Journal of Adaptive Control and Signal Processing</i> , 2016 , 30, 128-146	2.8	12
36	Global adaptive learning control of robotic manipulators by output error feedback. <i>International Journal of Adaptive Control and Signal Processing</i> , 2009 , 23, 97-109	2.8	11
35	Multi-sinusoidal disturbance rejection for discrete-time uncertain stable systems. <i>Automatica</i> , 2017 , 79, 144-151	5.7	10
34	A method for the state estimation of elastic joint robots by global position measurements. <i>International Journal of Adaptive Control and Signal Processing</i> , 1990 , 4, 475-486	2.8	10
33	Novel algorithms for the synchronization control of nonlinear systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2016 , 30, 608-633	2.8	9

32	Repetitive learning position control for full order model permanent magnet step motors. <i>Automatica</i> , 2016 , 63, 274-286	5.7	9
31	Persistency of excitation and position-sensorless control of permanent magnet synchronous motors. <i>Automatica</i> , 2018 , 95, 328-335	5.7	8
30	Further results on nonlinear tracking control and parameter estimation for induction motors. <i>Control Engineering Practice</i> , 2017 , 66, 116-125	3.9	8
29	Hybrid Adaptive Multi-Sinusoidal Disturbance Cancellation. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 4023-4030	5.9	8
28	Learning Position Controls for Hybrid Step Motors: From Current-Fed to Full-Order Models. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 6120-6130	8.9	7
27	Nonlinear H _∞ disturbance attenuation for robots with flexible joints. <i>International Journal of Robust and Nonlinear Control</i> , 1995 , 5, 365-373	3.6	7
26	Space-learning tracking control for permanent magnet step motors. <i>Automatica</i> , 2016 , 73, 223-230	5.7	7
25	Nonlinear Robust Coordinated PSS-AVR Control for a Synchronous Generator connected to an Infinite Bus. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	6
24	Global stability for the inner and outer PI control actions in non-salient-pole PMSMs. <i>Automatica</i> , 2020 , 117, 108988	5.7	5
23	State observers for rigid and elastic joint robots. <i>Robotics and Computer-Integrated Manufacturing</i> , 1992 , 9, 113-120	9.2	5
22	Nonlinear adaptive control for position-sensorless permanent magnet synchronous motors with uncertainties 2016 ,		5
21	Synchronisation control of electric motors through adaptive disturbance cancellation. <i>International Journal of Control</i> , 2018 , 91, 2147-2158	1.5	4
20	Position learning control for current-fed permanent magnet step motors with uncertainties 2008 ,		4
19	Adaptive Regulation of Uncertain Linear Minimum Phase Systems with Unknown Exosystems 2006 ,		4
18	Nonanticipating Lyapunov Functions for Persistently Excited Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 2634-2639	5.9	4
17	Adaptive cancellation of sinusoidal disturbances for unknown stable plants 2015 ,		3
16	AC motors: Letter swap potentialities. <i>Automatica</i> , 2020 , 113, 108763	5.7	3
15	2014 ,		2

14	Robust adaptive compensation of periodic disturbances with unknown frequency 2013 ,		2
13	Global adaptive output feedback controllers with application to non-linear friction compensation. <i>International Journal of Adaptive Control and Signal Processing</i> , 2002 , 16, 619-634	2.8	2
12	Nonlinear heart rate control in treadmill/cycle-ergometer exercises under the instability constraint. <i>Automatica</i> , 2021 , 127, 109492	5.7	2
11	Adaptive Output-Feedback Control of Permanent-Magnet Synchronous Motors 2013 , 341-369		1
10	adaptive learning control of nonlinear systems by output error feedback. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004 , 37, 153-158		1
9	Hybrid Adaptive Output Feedback Tracking for Stable Systems with Unknown Input Constraints. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	1
8	Adaptive nonlinear control with constrained parallel parameter estimates. <i>Systems and Control Letters</i> , 2020 , 143, 104739	2.4	1
7	Synchronization control of DC motors through adaptive disturbance cancellation techniques 2016 ,		1
6	Adaptive output regulation for minimum-phase systems with unknown relative degree. <i>Automatica</i> , 2021 , 130, 109670	5.7	1
5	On exponentially convergent parameter estimation with lack of persistency of excitation. <i>Systems and Control Letters</i> , 2022 , 159, 105080	2.4	0
4	New exponential convergence properties for BernardBrally observer and adaptive sensorless control of PMSMs. <i>Automatica</i> , 2020 , 121, 109197	5.7	0
3	Robust adaptive observers for unknown linear exosystems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2013 , 27, 35-45	2.8	
2	Self-tuning control of robot manipulators. <i>International Journal of Adaptive Control and Signal Processing</i> , 1993 , 7, 405-416	2.8	
1	Analysis of Persistently Excited Nonlinear Systems with Applications. <i>Lecture Notes in Control and Information Sciences - Proceedings</i> , 2022 , 121-137	0.2	