

Salvatore Monaco

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3699639/salvatore-monaco-publications-by-citations.pdf>

Version: 2024-04-25

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.

111
papers

1,659
citations

20
h-index

37
g-index

119
ext. papers

1,995
ext. citations

2.8
avg, IF

4.62
L-index

#	Paper	IF	Citations
111	Nonlinear decoupling via feedback: A differential geometric approach. <i>IEEE Transactions on Automatic Control</i> , 1981 , 26, 331-345	5.9	404
110	Zero dynamics of sampled nonlinear systems. <i>Systems and Control Letters</i> , 1988 , 11, 229-234	2.4	93
109	On the observer design in discrete-time. <i>Systems and Control Letters</i> , 2003 , 49, 255-265	2.4	65
108	Advanced Tools for Nonlinear Sampled-Data Systems Analysis and Control. <i>European Journal of Control</i> , 2007 , 13, 221-241	2.5	52
107	The immersion under feedback of a multidimensional discrete-time non-linear system into a linear system. <i>International Journal of Control</i> , 1983 , 38, 245-261	1.5	52
106	. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 907-912	5.9	50
105	Asymptotic properties of incrementally stable systems. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 721-723	5.9	44
104	Locally (f,g) invariant distributions. <i>Systems and Control Letters</i> , 1981 , 1, 12-15	2.4	43
103	Nonlinear regulation for a class of discrete-time systems. <i>Systems and Control Letters</i> , 1993 , 20, 57-65	2.4	39
102	On regulation under sampling. <i>IEEE Transactions on Automatic Control</i> , 1997 , 42, 864-868	5.9	35
101	Invariant distributions for discrete-time nonlinear systems. <i>Systems and Control Letters</i> , 1984 , 5, 191-196	2.4	34
100	From Chronological Calculus to Exponential Representations of Continuous and Discrete-Time Dynamics: A Lie-Algebraic Approach. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 2227-2241	5.9	29
99	. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 1208-1222	5.9	28
98	Nonlinear average passivity and stabilizing controllers in discrete time. <i>Systems and Control Letters</i> , 2011 , 60, 431-439	2.4	28
97	Nonlinear Autopilot Design for an Asymmetric Missile Using Robust Backstepping Control. <i>Journal of Guidance, Control, and Dynamics</i> , 2014 , 37, 1462-1476	2.1	27
96	Canonical observer forms for multi-output systems up to coordinate and output transformations in discrete time. <i>Automatica</i> , 2009 , 45, 2483-2490	5.7	25
95	Quadratic forms and approximate feed back linearization in discrete time. <i>International Journal of Control</i> , 1997 , 67, 567-586	1.5	25

94	Nonlinear discrete-time control of systems with a Naimark-Backer bifurcation. <i>Systems and Control Letters</i> , 2001 , 44, 245-258	2.4	24
93	Sampled-Data Stabilization of Nonlinear Dynamics With Input Delays Through Immersion and Invariance. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 2561-2567	5.9	22
92	The weighted incremental norm approach: from linear to nonlinear H _∞ control. <i>Automatica</i> , 2001 , 37, 1585-1592	5.7	21
91	Kinetics of photoinduced matter transport driven by intensity and polarization in thin films containing azobenzene. <i>Physical Review B</i> , 2012 , 86,	3.3	20
90	Galileo Galilei (GG) a small satellite to test the equivalence principle of Galileo, Newton and Einstein. <i>Experimental Astronomy</i> , 2009 , 23, 689-710	1.3	20
89	Distribution of major and trace elements in La Luna Formation, Southwestern Venezuelan Basin. <i>Organic Geochemistry</i> , 2002 , 33, 1593-1608	3.1	20
88	Immersion and invariance stabilization of strict-feedback dynamics under sampling. <i>Automatica</i> , 2017 , 76, 78-86	5.7	19
87	On multi-consensus and almost equitable graph partitions. <i>Automatica</i> , 2019 , 103, 53-61	5.7	17
86	From passivity under sampling to a new discrete-time passivity concept 2008 ,		16
85	Evaluation of a proposed test of the weak equivalence principle using Earth-orbiting bodies in high-speed co-rotation: re-establishing the physical bases. <i>Classical and Quantum Gravity</i> , 1999 , 16, 1463-1470	3.3	16
84	Discrete-time approximated linearization of SISO systems under output feedback. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 1729-1733	5.9	16
83	Functional expansions for nonlinear discrete-time systems. <i>Mathematical Systems Theory</i> , 1988 , 21, 235-254		16
82	IDA-PBC under sampling for port-controlled hamiltonian systems 2010 ,		15
81	On the discrete-time normal form. <i>IEEE Transactions on Automatic Control</i> , 1998 , 43, 1654-1658	5.9	15
80	A link between input-output stability and Lyapunov stability. <i>Systems and Control Letters</i> , 1996 , 27, 243-248	2.4	14
79	On halo orbits spacecraft stabilization. <i>Acta Astronautica</i> , 1996 , 38, 903-925	2.9	14
78	On the immersion of a discrete-time polynomial analytic system into a polynomial affine one. <i>Systems and Control Letters</i> , 1983 , 3, 83-90	2.4	13
77	On H _∞ control of discrete-time nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 1996 , 6, 633-643	3.6	12

76	Multirate Sampling and Zero Dynamics: from linear to nonlinear 1991 , 200-213		12
75	Multi-agent quality of experience control. <i>International Journal of Control, Automation and Systems</i> , 2017 , 15, 892-904	2.9	10
74	Feedforwarding Under Sampling. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 4668-4675	5.9	10
73	Toward a mobile autonomous robotic system for Mars exploration. <i>Planetary and Space Science</i> , 2004 , 52, 23-30	2	10
72	Nonlinear discrete-time systems with delayed control: A reduction. <i>Systems and Control Letters</i> , 2018 , 114, 31-37	2.4	9
71	Lyapunov-Based Design of a Distributed Wardrop Load-Balancing Algorithm With Application to Software-Defined Networking. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 1924-1936	4.8	9
70	Non-linear non-interacting control with stability in discrete-time: A geometric framework. <i>International Journal of Control</i> , 2002 , 75, 11-22	1.5	9
69	Digital stabilization of delayed-input strict-feedforward dynamics 2012 ,		8
68	. <i>IEEE Transactions on Nuclear Science</i> , 2011 , 58, 1778-1783	1.7	8
67	On the realization of nonlinear discrete-time systems. <i>Systems and Control Letters</i> , 1984 , 5, 145-152	2.4	8
66	Sampled-Data Reduction of Nonlinear Input-Delayed Dynamics 2017 , 1, 116-121		7
65	Lyapunov stabilization of discrete-time feedforward dynamics 2017 ,		7
64	Nonlinear port controlled Hamiltonian systems under sampling 2009 ,		7
63	Normal forms and approximated feedback linearization in discrete time. <i>Systems and Control Letters</i> , 2006 , 55, 71-80	2.4	7
62	Finite Volterra-series realizations and input-output approximations of non-linear discrete-time systems. <i>International Journal of Control</i> , 1987 , 45, 1771-1787	1.5	7
61	Stabilization of feedforward discrete-time dynamics through immersion and invariance 2016 ,		6
60	A Q-Learning based approach to Quality of Experience control in cognitive Future Internet networks 2015 ,		6
59	Analysis and Control of Nonlinear Singularly Perturbed Systems under Sampling ¹ ¹ The first part of this work concerning the discretization of NLSP systems was partially presented in the Ph.D. dissertation of N. Pantalos. <i>Control and Dynamic Systems</i> , 1996 , 203-246		6

58	On the control of regularly e-perturbed nonlinear systems. <i>International Journal of Control</i> , 1994 , 59, 1255-1279	1.5	6
57	Stabilization of Discrete Port-Hamiltonian Dynamics via Interconnection and Damping Assignment 2021 , 5, 103-108		6
56	Forwarding stabilization in discrete time. <i>Automatica</i> , 2019 , 109, 108532	5.7	5
55	2015 ,		5
54	On the Exact Steering of Finite Sampled Nonlinear Dynamics with Input Delays**This work was supported by the Italian Ministry of Education, Research and University, namely by the PLATINO PON project (www.progettoplato.it), under Grant Agreement no. PON01 01007.. <i>IFAC-PapersOnLine</i> , 2015 , 48, 674-679	0.7	5
53	Nonlinear optimal stabilizing control in discrete time 2012 ,		5
52	On the differential/difference representation of sampled dynamics		5
51	Discrete port-controlled Hamiltonian dynamics and average passivation 2019 ,		5
50	Distributed Control in Virtualized Networks. <i>Procedia Computer Science</i> , 2015 , 56, 276-283	1.6	4
49	Sampled-data redesign of stabilizing feedback 2010 ,		4
48	Lyapunov design under sampling for a synchronous machine 2009 ,		4
47	Topology-induced containment for general linear systems on weakly connected digraphs. <i>Automatica</i> , 2021 , 131, 109734	5.7	4
46	Further results on sampled-data stabilization of time-delay systems. <i>IFAC-PapersOnLine</i> , 2017 , 50, 14350-14355	1.7	4
45	Sampled-data stabilisation of a class of state-delayed nonlinear dynamics 2015 ,		3
44	Multi-rate sampled-data stabilization of a class of nonlinear systems 2015 ,		3
43	Average passivity for discrete-time and sampled-data linear systems 2010 ,		3
42	Adaptive inverse control using kernel identification 2012 ,		3
41	Nonlinear representations and passivity conditions in discrete time. <i>Lecture Notes in Control and Information Sciences</i> , 1999 , 422-433	0.5	3

40	Functional output controllability for linear systems on Hilbert spaces. <i>Systems and Control Letters</i> , 1983 , 2, 313-320	2.4	3
39	Gradient and Hamiltonian dynamics under sampling. <i>IFAC-PapersOnLine</i> , 2019 , 52, 472-477	0.7	3
38	Reduction-based stabilization of time-delay nonlinear dynamics 2018 ,		3
37	On the Zero-Dynamics of a Class of Hybrid LTI Systems: A Geometric Approach 2019 , 3, 703-708		2
36	Digital stabilization of strict feedback dynamics through immersion and invariance**This work is supported by a public grant overseen by the French National research Agency (ANR) as part of the Investissement d'Avenir program, through the CODE project funded by the IDEX Paris-Saclay, ANR-11-IDEX-0003-02". <i>IFAC-PapersOnLine</i> , 2015 , 48, 1074-1079	0.7	2
35	A control approach for plasma density in tokamak machines. <i>Fusion Engineering and Design</i> , 2013 , 88, 1097-1100	1.7	2
34	On partially minimum phase systems and nonlinear sampled-data control 2017 ,		2
33	2015 ,		2
32	A reinforcement learning approach for QoS/QoE model identification 2015 ,		2
31	On optimality of passivity based controllers in discrete-time. <i>Systems and Control Letters</i> , 2015 , 75, 117-123	1.2	2
30	Robust backstepping control of missile lateral and rolling motions in the presence of unmatched uncertainties 2012 ,		2
29	Linearization by Output Injection under Approximate Sampling. <i>European Journal of Control</i> , 2009 , 15, 205-217	2.5	2
28	Non-linear non-interacting control with stability in discrete time: a dynamic solution. <i>International Journal of Control</i> , 2005 , 78, 443-459	1.5	2
27	Some results on the controllability of perturbed linear systems on Hilbert spaces. <i>Systems and Control Letters</i> , 1981 , 1, 140-147	2.4	2
26	Cluster partitioning of heterogeneous multi-agent systems. <i>Automatica</i> , 2022 , 138, 110136	5.7	2
25	Sampled-data tracking under model predictive control and multi-rate planning. <i>IFAC-PapersOnLine</i> , 2020 , 53, 3620-3625	0.7	2
24	Digital stabilization of finite sampled nonlinear dynamics with delays: The unicycle example 2013 ,		2
23	Sampled-data stabilization of feedforward dynamics with Lyapunov cross-term 2016 ,		2

22	On unconstrained MPC through multirate sampling. <i>IFAC-PapersOnLine</i> , 2019 , 52, 388-393	0.7	2
21	Nonlinear Hamiltonian systems under sampling. <i>IEEE Transactions on Automatic Control</i> , 2022 , 1-1	5.9	2
20	Robust Nonlinear Attitude Stabilization of a Spacecraft through Digital Implementation of an Immersion & Invariance Stabilizer ¹¹ This work was supported by the Italian project PLATINO (Grant Agreement nr. PON0101007). <i>IFAC-PapersOnLine</i> , 2015 , 48, 4-9	0.7	1
19	Stabilization of nonlinear discrete-time dynamics in strict-feedforward form 2013 ,		1
18	Input-state matching under piecewise constant control for systems on matrix Lie groups 2010 ,		1
17	Nonlinear optimal stabilizing control under sampling 2012 ,		1
16	Nonlinear Robust Autopilot for Rolling and Lateral Motions of an Aerodynamic Missile 2012 ,		1
15	Accessibility under multirate control for nilpotent lie algebra 2007 ,		1
14	Discrete-time versus hybrid systems		1
13	Authors' reply to Comments on 'On the discrete time normal form'. <i>IEEE Transactions on Automatic Control</i> , 2001 , 45, 995	5.9	1
12	Controller and Observer Normal Forms in Discrete-Time 2008 , 377-396		1
11	IDA-PBC for LTI Dynamics Under Input Delays: A Reduction Approach 2021 , 5, 1465-1470		1
10	On partially minimum-phase systems and disturbance decoupling with stability. <i>Nonlinear Dynamics</i> , 2019 , 97, 583-598	5	0
9	Reduction of Discrete-Time Two-Channel Delayed Systems 2018 , 2, 339-344		0
8	Digital path-following for a car-like robot. <i>IFAC-PapersOnLine</i> , 2021 , 54, 174-179	0.7	0
7	Reduction-based stabilization of nonlinear discrete-time systems through delayed state measurements. <i>IFAC-PapersOnLine</i> , 2020 , 53, 5851-5856	0.7	0
6	Quaternion-based attitude stabilization via discrete-time IDA-PBC 2022 , 1-1		0
5	Nonlinear Torque Control for High Power Induction Motors with Digital Implementation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 9905-9910		0

- 4 Structure theory of state-affine systems. *Journal of the Franklin Institute*, **1977**, 303, 189-199 4
- 3 Nonlinear Sampled-Data Stabilization with Delays. *Advances in Delays and Dynamics*, **2019**, 299-315 0.3
- 2 Approximate Transverse Feedback Linearization Under Digital Control **2022**, 6, 13-18
- 1 Station-Keeping of L2 Halo Orbits Under Sampled-Data Model Predictive Control. *Journal of Guidance, Control, and Dynamics*, 1-10 2.1