

# Lorenzo Marconi

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

975  
citations

759233

12  
h-index

552781

26  
g-index

37  
all docs

37  
docs citations

37  
times ranked

580  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Autonomous Guidance. <i>Advances in Industrial Control</i> , 2003, , .	0.5	234
2	A High-Gain Nonlinear Observer With Limited Gain Power. <i>IEEE Transactions on Automatic Control</i> , 2015, 60, 3059-3064.	5.7	149
3	Robust Global Trajectory Tracking for Underactuated VTOL Aerial Vehicles Using Inner-Outer Loop Control Paradigms. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 97-112.	5.7	109
4	Uniform Practical Nonlinear Output Regulation. <i>IEEE Transactions on Automatic Control</i> , 2008, 53, 1184-1202.	5.7	100
5	Robust design of nonlinear internal models without adaptation. <i>Automatica</i> , 2012, 48, 2409-2419.	5.0	56
6	Robust Nonlinear Regulation: Continuous-Time Internal Models and Hybrid Identifiers. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 3136-3151.	5.7	33
7	Nonlinear output regulation for invertible nonlinear MIMO systems. <i>International Journal of Robust and Nonlinear Control</i> , 2016, 26, 2401-2417.	3.7	27
8	Output regulation by postprocessing internal models for a class of multivariable nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 1115-1140.	3.7	21
9	Adaptive output regulation for linear systems via discrete-time identifiers. <i>Automatica</i> , 2019, 105, 422-432.	5.0	20
10	Autonomous Battery Exchange of UAVs with a Mobile Ground Base. , 2018, , .		18
11	Internal Models in Control, Bioengineering, and Neuroscience. <i>Annual Review of Control, Robotics, and Autonomous Systems</i> , 2022, 5, 55-79.	11.8	15
12	Constrained State Estimation for Nonlinear Systems: A Redesign Approach Based on Convexity. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 824-839.	5.7	14
13	Model Identification and Adaptive State Observation for a Class of Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 5621-5636.	5.7	14
14	Approximate regulation for nonlinear systems in presence of periodic disturbances. , 2015, , .		12
15	Robust Control of a Miniature Ducted-Fan Aerial Robot for Blind Navigation in Unknown Populated Environments. <i>IEEE Transactions on Control Systems Technology</i> , 2015, 23, 64-79.	5.2	12
16	A System Theoretical Perspective to Gradient-Tracking Algorithms for Distributed Quadratic Optimization. , 2019, , .		12
17	Robust Design of Internal Models by Nonlinear Regression. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013, 46, 283-288.	0.4	11
18	A smartphone based quadrotor: Attitude and position estimation. , 2015, , .		10

#	ARTICLE	IF	CITATIONS
19	About Robustness of Internal Model-Based Control for Linear and Nonlinear Systems. , 2018, , .		10
20	Adaptive output regulation via nonlinear Luenberger observer-based internal models and continuous-time identifiers. Automatica, 2020, 122, 109261.	5.0	10
21	About a Post-processing Design of Regression-like Nonlinear Internal Models. IFAC-PapersOnLine, 2017, 50, 15367-15372.	0.9	9
22	Necessary Conditions for Output Regulation with Exosystem Modelled by Differential Inclusions. IFAC-PapersOnLine, 2018, 51, 25-30.	0.9	9
23	Approximate Nonlinear Regulation via Identification-Based Adaptive Internal Models. IEEE Transactions on Automatic Control, 2021, 66, 3534-3549.	5.7	9
24	Identification-Based Internal Models in Multivariable Nonlinear Output Regulation. IEEE Transactions on Automatic Control, 2020, 65, 4369-4376.	5.7	8
25	Design of a Robust Adaptive Controller for a Hydraulic Press and Experimental Validation. IEEE Transactions on Control Systems Technology, 2021, 29, 2049-2064.	5.2	8
26	The Chicken-Egg Dilemma and the Robustness Issue in Nonlinear Output Regulation with a Look Towards Adaptation and Universal Approximators. , 2018, , .		7
27	On the Semi-Global Stability of an EK-Like Filter. , 2021, 5, 1771-1776.		7
28	Hybrid implementation of observers in plant's coordinates with a finite number of approximate inversions and global convergence. Automatica, 2020, 111, 108654.	5.0	6
29	Robust implementable regulator design of linear systems with non-vanishing measurements. Automatica, 2022, 143, 110418.	5.0	6
30	Avalanche Victim Search via Robust Observers. IEEE Transactions on Control Systems Technology, 2021, 29, 1450-1461.	5.2	5
31	Results on Adaptive Output Regulation for Linear Systems by Least-Squares Identifiers. , 2018, , .		4
32	Adaptive Output Regulation via Nonlinear Luenberger Observers. IFAC-PapersOnLine, 2019, 52, 580-585.	0.9	4
33	Optimal Motion Planning for Localization of Avalanche Victims by Multiple UAVs. , 2021, 5, 2054-2059.		3
34	Robust Regulator Design of General Linear Systems with Sampled Measurements. IFAC-PapersOnLine, 2020, 53, 6000-6005.	0.9	2
35	A simulator environment for aerial service robot prototypes. , 2013, , .		0
36	On the semi-global stability of an EK-like Filter. , 2021, , .		0