

# Roberto Naldi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8349479/publications.pdf>

Version: 2024-02-01

19  
papers

835  
citations

623734

14  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

656  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust full degree-of-freedom tracking control of a helicopter. <i>Automatica</i> , 2007, 43, 1909-1920.	5.0	186
2	Developing an Aerial Manipulator Prototype: Physical Interaction with the Environment. <i>IEEE Robotics and Automation Magazine</i> , 2014, 21, 41-50.	2.0	129
3	Modelling and control of a flying robot interacting with the environment. <i>Automatica</i> , 2011, 47, 2571-2583.	5.0	95
4	Design and experimental validation of a nonlinear control law for a ducted-fan miniature aerial vehicle. <i>Control Engineering Practice</i> , 2010, 18, 747-760.	5.5	93
5	Optimal transition maneuvers for a class of V/STOL aircraft. <i>Automatica</i> , 2011, 47, 870-879.	5.0	62
6	Aggressive control of helicopters in presence of parametric and dynamical uncertainties. <i>Mechatronics</i> , 2008, 18, 381-389.	3.3	39
7	Passivity-based control for hybrid systems with applications to mechanical systems exhibiting impacts. <i>Automatica</i> , 2013, 49, 1104-1116.	5.0	38
8	Nonlinear control of a tethered UAV: The taut cable case. <i>Automatica</i> , 2017, 78, 174-184.	5.0	32
9	Modeling and Control of a Class of Modular Aerial Robots Combining Under Actuated and Fully Actuated Behavior. <i>IEEE Transactions on Control Systems Technology</i> , 2015, 23, 1869-1885.	5.2	31
10	Traveling Salesman Problem for a Class of Carrier-Vehicle Systems. <i>Journal of Guidance, Control, and Dynamics</i> , 2011, 34, 1272-1276.	2.8	24
11	Generalized Traveling Salesman Problem for Carrier-Vehicle Systems. <i>Journal of Guidance, Control, and Dynamics</i> , 2014, 37, 766-774.	2.8	23
12	Robust control of transition maneuvers for a class of V/STOL aircraft. <i>Automatica</i> , 2013, 49, 1693-1704.	5.0	20
13	Control of Fully Actuated Unmanned Aerial Vehicles with Actuator Saturation * *This research has been funded by the Mandats d'Impulsion Scientifique "Optimization-free Control of Nonlinear Systems subject to Constraints" of the Fonds de la Recherche Scientifique (FNRS), Ref. F452617F.. <i>IFAC-PapersOnLine</i> , 2017, 50, 12715-12720.	0.9	17
14	High-gain output feedback for a miniature UAV. <i>International Journal of Robust and Nonlinear Control</i> , 2014, 24, 1104-1126.	3.7	14
15	A Prototype of Ducted-Fan Aerial Robot with Redundant Control Surfaces. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2014, 76, 137-150.	3.4	9
16	A hybrid model for the play hysteresis operator. <i>Physica B: Condensed Matter</i> , 2013, 430, 95-98.	2.7	8
17	Switching control laws in the presence of measurement noise. <i>Systems and Control Letters</i> , 2010, 59, 353-364.	2.3	7
18	Experimental analysis of a pulse tube based new prototype for cells cryopreservation. <i>International Journal of Energy Research</i> , 2020, 44, 5905-5916.	4.5	5

#	ARTICLE	IF	CITATIONS
19	Sufficient conditions for the stability of a class of second order systems. Systems and Control Letters, 2015, 84, 1-6.	2.3	3