

# Eduardo Nunes

## List of Publications by Year in descending order

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23  
papers

295  
citations

1307543

7  
h-index

1199563

12  
g-index

24  
all docs

24  
docs citations

24  
times ranked

223  
citing authors

#	ARTICLE	IF	CITATIONS
1	Smooth sliding control to overcome chattering arising in classical SMC and super-twisting algorithm in the presence of unmodeled dynamics. Journal of the Franklin Institute, 2022, 359, 1235-1256.	3.4	9
2	Diagnosability verification using LTL model checking. Discrete Event Dynamic Systems: Theory and Applications, 2022, 32, 399-433.	1.5	2
3	Multivariable Binary MRAC with Guaranteed Transient Performance Using Non-homogeneous Robust Exact Differentiators. Journal of Control, Automation and Electrical Systems, 2021, 32, 378-389.	2.0	0
4	On the Fragility of Multivariable Super-Twisting Algorithm for non-Symmetric Uncertain Input Matrix. , 2019, , .		1
5	Output-Feedback Multivariable Global Variable Gain Super-Twisting Algorithm. IEEE Transactions on Automatic Control, 2017, 62, 2999-3005.	5.7	38
6	Binary robust adaptive control with monitoring functions for systems under unknown high-frequency-gain sign, parametric uncertainties and unmodeled dynamics. International Journal of Adaptive Control and Signal Processing, 2016, 30, 1184-1202.	4.1	25
7	Multivariable Super-Twisting Algorithm for a class of systems with uncertain input matrix. , 2016, , .		6
8	THE EMBEDDED ELECTRONICS AND SOFTWARE OF DORIS OFFSHORE ROBOT—This work is supported primarily by Petrobras S.A. and Statoil Brazil Oil & Gas Ltda under contract COPPETEC 0050.0079406.12.9 (ANP-Brazil R&D Program), and in part by the Brazilian research agencies CNPq and FAPERJ.. IFAC-PapersOnLine, 2015, 48, 208-213.	0.9	8
9	Global exact tracking for uncertain MIMO linear systems by output feedback sliding mode control. Journal of the Franklin Institute, 2014, 351, 2015-2032.	3.4	24
10	Multivariable MRAC Design Without Gain Symmetry Conditions Using a Stabilizing Multiplier. IEEE Transactions on Automatic Control, 2014, 59, 1041-1047.	5.7	14
11	Multivariable BMRAC extension to arbitrary relative degree using Global Robust Exact Differentiators. , 2014, , .		4
12	Direct multivariable MRAC design without gain symmetry conditions. , 2013, , .		0
13	DORIS - Monitoring Robot for Offshore Facilities. , 2013, , .		5
14	Binary robust adaptive control for global tracking of uncertain systems with unknown high-frequency-gain sign. , 2012, , .		2
15	Binary MIMO MRAC using a passifying multiplier &#x2014; A smooth transition to sliding mode control. , 2012, , .		6
16	Global Exact Tracking for Uncertain Multivariable Systems by Switching Adaptation*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3057-3062.	0.4	2
17	Output Feedback Sliding Mode Control Approaches Using Observers and/or Differentiators. Lecture Notes in Control and Information Sciences, 2011, , 269-292.	1.0	0
18	Global tracking for robot manipulators using a simple causal PD controller plus feedforward. Robotica, 2010, 28, 23-34.	1.9	27

#	ARTICLE	IF	CITATIONS
19	Global exact tracking for uncertain multivariable linear systems by output feedback sliding mode control. , 2010, , .		2
20	Global Exact Tracking for Uncertain Systems Using Output-Feedback Sliding Mode Control. IEEE Transactions on Automatic Control, 2009, 54, 1141-1147.	5.7	31
21	Arbitrarily small damping allows global output feedback tracking of a class of Euler-Lagrange systems. , 2008, , .		15
22	Global output feedback tracking controller based on hybrid estimation for a class of uncertain nonlinear systems.. , 2008, , .		3
23	Control of uncertain nonlinear systems with arbitrary relative degree and unknown control direction using sliding modes. International Journal of Adaptive Control and Signal Processing, 2007, 21, 692-707.	4.1	70