

# Antonio Estrada

## List of Publications by Year in descending order

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27  
papers

630  
citations

1040056

9  
h-index

1058476

14  
g-index

27  
all docs

27  
docs citations

27  
times ranked

534  
citing authors

#	ARTICLE	IF	CITATIONS
1	Control design for a class of multivariable nonlinear system with uncertain control direction: A laser cladding case study. European Journal of Control, 2021, 60, 114-124.	2.6	5
2	Control of a Stewart-Gough Platform for Earthquake Ground Motion Simulation. Mechanisms and Machine Science, 2020, , 138-146.	0.5	0
3	Output-feedback variable gain super-twisting algorithm for arbitrary relative degree systems. International Journal of Control, 2018, 91, 2043-2059.	1.9	14
4	Mechanical preliminary design of the 6.5 meter Telescopio San Pedro Mrtir (TSPM). , 2018, , .		0
5	Global and exact HOSM differentiator with dynamic gains for output-feedback sliding mode control. Automatica, 2017, 81, 156-163.	5.0	56
6	Combined backstepping and HOSM control design for a class of nonlinear MIMO systems. International Journal of Robust and Nonlinear Control, 2017, 27, 566-581.	3.7	23
7	HOSM Differentiator with Varying Gains for Global/Semi-Global Output Feedback * *This work was supported in part by Brazilian funding agencies CNPq, FAPERJ and CAPES.. IFAC-PapersOnLine, 2017, 50, 1728-1735.	0.9	1
8	Finite time control of multi-input nonlinear uncertain systems. , 2017, , .		0
9	Adaptive tracking of sinusoids with unknown frequencies for some classes of SISO nonminimum phase systems. International Journal of Adaptive Control and Signal Processing, 2016, 30, 1163-1183.	4.1	6
10	Output-feedback generalization of Variable Gain Super-Twisting Sliding Mode Control via global HOSM differentiators. , 2016, , .		5
11	Finite-time position and velocity estimation adapted to noisy biased acceleration measurements from periodic motion. International Journal of Control, 2016, 89, 1868-1878.	1.9	3
12	Adaptive Pulse Output Feedback Controller Based on Second-Order Sliding Mode: Methodology and Application. IEEE Transactions on Control Systems Technology, 2016, 24, 2233-2240.	5.2	15
13	Global exact differentiator based on higher-order sliding modes and dynamic gains for globally stable output-feedback control. , 2015, , .		9
14	Second order sliding mode output feedback control with switching gainsApplication to the control of a pneumatic actuator. Journal of the Franklin Institute, 2014, 351, 2335-2355.	3.4	39
15	Higher Order Sliding Mode Based Accurate Tracking of Unmatched Perturbed Outputs. Lecture Notes in Control and Information Sciences, 2013, , 117-144.	1.0	3
16	Output regulation of some classes of SISO non-minimum phase non-affine systems. , 2013, , .		0
17	Second order sliding mode output feedback control: Impulsive gain and extension with adaptation. , 2012, , .		8
18	Two relay controller for real time trajectory generation and its application to inverted orbital stabilization of inertia wheel pendulum via quasicontinuous HOSM. Asian Journal of Control, 2012, 14, 58-66.	3.0	10

#	ARTICLE	IF	CITATIONS
19	Integral Sliding Mode Control for Nonlinear Systems With Matched and Unmatched Perturbations. IEEE Transactions on Automatic Control, 2011, 56, 2699-2704.	5.7	229
20	Lyapunov stability analysis of a twisting based control algorithm for systems with unmatched perturbations. , 2011, , .		2
21	Quasi-continuous HOSM control for systems with unmatched perturbations. Automatica, 2010, 46, 1916-1919.	5.0	108
22	Cascades stability analysis applied to a control design for unmatched perturbation rejection based on HOSM. , 2010, , .		2
23	Optimal disturbance rejection via integral sliding mode control for uncertain systems in regular form. , 2010, , .		10
24	Integral HOSM Semiglobal Controller for Finite-Time Exact Compensation of Unmatched Perturbations. IEEE Transactions on Automatic Control, 2010, 55, 2645-2649.	5.7	51
25	Two-relay controller for real-time trajectory generation and its application to inverted orbital stabilization of inertia wheel pendulum. , 2010, , .		2
26	Quasi-continuous HOSM control for systems with unmatched perturbations. , 2008, , .		10
27	Exact compensation of unmatched perturbation via quasi-continuous HOSM. , 2008, , .		19