

# Luiz Goes

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

505  
citations

933447

10  
h-index

713466

21  
g-index

62  
all docs

62  
docs citations

62  
times ranked

504  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flight dynamics modeling of a flexible wing unmanned aerial vehicle. <i>Mechanical Systems and Signal Processing</i> , 2020, 145, 106900.	8.0	4
2	Development of an Aeroelastic In-Flight Testing System for a Flexible Wing Unmanned Aerial Vehicle using Acceleration and Strain Sensors. , 2019, , .		4
3	Nonlinear Identification Using Polynomial NARMAX Model and a Stability Analysis of an Aeroelastic System. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 97-109.	0.4	0
4	Selection And Definition Of Maneuvers For Parameter Identification Of An Unmanned Aerial Vehicle, Vector-P. <i>IEEE Latin America Transactions</i> , 2018, 16, 408-415.	1.6	4
5	Antagonistic shape memory alloy wire as an actuator in a morphing wing. , 2018, , .		2
6	A Labview/Arduino Measurement System for Shape Memory Alloy Wires. , 2018, , .		1
7	Use of LMS Amesim® model and a bond graph support to predict behavior impacts of typical failures in an aircraft hydraulic brake system. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	1.6	3
8	Formation control of multirotor aerial vehicles using decentralized MPC. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	1.6	11
9	Deflection control of an aeroelastic system utilizing an antagonistic shape memory alloy actuator. <i>Meccanica</i> , 2018, 53, 727-745.	2.0	4
10	A reduced order state space model for aeroelastic analysis in time domain. <i>Journal of Fluids and Structures</i> , 2017, 69, 428-440.	3.4	8
11	Distributed Formation Flight Control of Multirotor Helicopters. <i>Journal of Control, Automation and Electrical Systems</i> , 2017, 28, 502-515.	2.0	3
12	Attitude dynamics and control of a spacecraft like a robotic manipulator when implementing on-orbit servicing. <i>Acta Astronautica</i> , 2017, 137, 490-497.	3.2	23
13	Attitude and vibration control of a satellite containing flexible solar arrays by using reaction wheels, and piezoelectric transducers as sensors and actuators. <i>Acta Astronautica</i> , 2017, 139, 357-366.	3.2	34
14	Tethered Aerostat Stabilization in Turbulent Wind Using Actuated Fins. <i>Journal of Guidance, Control, and Dynamics</i> , 2017, 40, 3290-3298.	2.8	2
15	Experimental measurement of parameters for modeling a differentia drive soccer robot. , 2017, , .		0
16	HSV and NDVI Color Space Analysis and Sampling Procedure for Counting of Seedlings in Eucalyptus spp Plantations from High Definition Aerial Images. , 2017, , .		1
17	Comparison of in-Flight Measured and Computed Aeroelastic Damping: Modal Identification Procedures and Modeling Approaches. <i>Journal of Aerospace Technology and Management</i> , 2016, 8, 163-177.	0.3	13
18	Virtual Environment With AMESim and its Integration With MATLAB-Simulink. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Model Based System Testing: Bringing Testing and Simulation Close Together. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 91-97.	0.5	5
20	Vibration-based damage detection for a composite helicopter main rotor blade. Case Studies in Mechanical Systems and Signal Processing, 2016, 3, 22-27.	1.4	15
21	Analysis of the acoustical behavior of cavities using impedance functions. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 1103-1111.	1.6	1
22	Strain-Based Experimental Modal Analysis on Planar Structures: Concepts and Practical Aspects. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 335-346.	0.5	0
23	Trajectory Tracking Control of an Aerial Robot with Obstacle Avoidance. IFAC-PapersOnLine, 2015, 48, 81-86.	0.9	2
24	An adaptive piezoelectric vibration absorber enhanced by a negative capacitance applied to a shell structure. Smart Materials and Structures, 2015, 24, 125017.	3.5	19
25	The use of strain gauges in vibration-based damage detection. Journal of Physics: Conference Series, 2015, 628, 012119.	0.4	16
26	Flutter analysis including structural uncertainties. Meccanica, 2015, 50, 2093-2101.	2.0	10
27	Formation flight control of multirotor helicopters with collision avoidance. , 2015, , .		4
28	Control of Limit Cycle Oscillation in a Three Degrees of Freedom Airfoil Section Using Fuzzy Takagi-Sugeno Modeling. Shock and Vibration, 2014, 2014, 1-12.	0.6	8
29	Aeroelastic stability analysis considering a continuous flight envelope. Journal of Fluids and Structures, 2014, 49, 716-727.	3.4	5
30	Multiphysics NVH Modeling: Simulation of a Switched Reluctance Motor for an Electric Vehicle. IEEE Transactions on Industrial Electronics, 2014, 61, 469-476.	7.9	160
31	Strain-Based Dynamic Measurements and Modal Testing. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 233-242.	0.5	5
32	An integrated hybrid methodology of time series forecast and case-based reasoning for fault prognosis. , 2013, , .		0
33	The Use of Gramian Matrices for Aeroelastic Stability Analysis. Mathematical Problems in Engineering, 2013, 2013, 1-9.	1.1	2
34	Modal-Based Damage Detection of a Composite Helicopter Main Rotor Blade. , 2013, , .		2
35	Notes on vibration control of a micro/macromanipulator mounted on a flexible structure. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2012, 226, 72-82.	0.8	0
36	Cabin Temperature Control Model for Commercial Aircraft. , 2012, , .		9

#	ARTICLE	IF	CITATIONS
37	Multivariable Control of Aeronautical Air Conditioning System Based on Thermal Comfort. , 2011, , .		0
38	Operating a Network of Balloons Instead of Satellites. , 2011, , .		0
39	SOME REMARKS ON BIFURCATION ANALYSIS OF A NONLINEAR VIBRATING SYSTEM EXCITED BY A SHAPE MEMORY ALLOY MATERIAL (SMA). International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 2975-2982.	1.7	1
40	Landing Gear Free-Fall Simulation and Kinetic Energy Optimization. , 2010, , .		1
41	Liquid rocket combustion chamber acoustic characterization. Journal of Aerospace Technology and Management, 2010, 2, 269-278.	0.3	11
42	Accumulative Learning using Multiple ANN for Flexible Link Control. IEEE Transactions on Aerospace and Electronic Systems, 2010, 46, 508-524.	4.7	10
43	Aircraft Parameter Estimation Experiment Design Considering Measurement Colored Residuals. Journal of Aircraft, 2009, 46, 1857-1865.	2.4	7
44	Aircraft longitudinal stability and control derivatives identification by using life cycle and Levenberg-Marquardt optimization algorithms. Inverse Problems in Science and Engineering, 2009, 17, 17-34.	1.2	2
45	An Investigations on Local and Global Behavior of a (SMA) Oscillator of 3-DOF Driven by a Limited Power Supply. , 2009, , .		0
46	Identification of a Non-Linear Landing Gear Model Using Nature-Inspired Optimization. Shock and Vibration, 2008, 15, 257-272.	0.6	3
47	In-flight Output Only Modal Analysis of Aircraft Structural Dynamics. , 2008, , .		2
48	Adaptive Stochastic Filtering for Online Aircraft Flight Path Reconstruction. Journal of Aircraft, 2007, 44, 1546-1558.	2.4	21
49	Flight Path Reconstruction and Parameter Estimation Using Output-Error Method. Shock and Vibration, 2006, 13, 379-392.	0.6	5
50	Aircraft parameter estimation using output-error methods. Inverse Problems in Science and Engineering, 2006, 14, 651-664.	1.2	13
51	Dynamic Modeling and Experimental Identification of Flexible Structure Mounted Manipulator System. , 2000, , 283.		0
52	Design of an Active Feel System for a Flight Simulator. , 2000, , .		0
53	Prediction of transients and control reactions in a transonic wind tunnel. Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences, 2000, 22, 317-339.	0.1	8
54	Modeling and control of multibody system with flexible appendages. Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences, 1999, 21, 463-476.	0.1	2

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55	Dynamic Modeling And Experimental Identification Of An Electric-Hydraulic Pressure Control Valve. , 1993, , .		0
56	Feedback-error-learning for controlling a flexible link. , 0, , .		2
57	Flight Tests Telemetry Link for Small and Medium Aircrafts. , 0, , .		3
58	Modal Strain Energy Based Damage Detection Applied to a Full Scale Composite Helicopter Blade. Key Engineering Materials, 0, 569-570, 457-464.	0.4	3
59	Investigations on Complex Acoustic Modes of Rocket Engines Combustion Chambers for Damping Allocation. Journal of Aerospace Technology and Management, 0, 13, .	0.3	1
60	Requirement derivation method for a legged robot with series-elastic actuators. , 0, , .		0