

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	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
2	Attitude and vibration control of a satellite containing flexible solar arrays by using reaction wheels, and piezoelectric transducers as sensors and actuators. Acta Astronautica, 2017, 139, 357-366.	3.2	34
3	Attitude dynamics and control of a spacecraft like a robotic manipulator when implementing on-orbit servicing. Acta Astronautica, 2017, 137, 490-497.	3.2	23
4	Adaptive Stochastic Filtering for Online Aircraft Flight Path Reconstruction. Journal of Aircraft, 2007, 44, 1546-1558.	2.4	21
5	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
6	The use of strain gauges in vibration-based damage detection. Journal of Physics: Conference Series, 2015, 628, 012119.	0.4	16
7	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
8	Aircraft parameter estimation using output-error methods. Inverse Problems in Science and Engineering, 2006, 14, 651-664.	1.2	13
9	Comparison of in-Flight Measured and Computed Aeroelastic Damping: Modal Identification Procedures and Modeling Approaches. Journal of Aerospace Technology and Management, 2016, 8, 163-177.	0.3	13
10	Liquid rocket combustion chamber acoustic characterization. Journal of Aerospace Technology and Management, 2010, 2, 269-278.	0.3	11
11	Formation control of multirotor aerial vehicles using decentralized MPC. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	11
12	Accumulative Learning using Multiple ANN for Flexible Link Control. IEEE Transactions on Aerospace and Electronic Systems, 2010, 46, 508-524.	4.7	10
13	Flutter analysis including structural uncertainties. Meccanica, 2015, 50, 2093-2101.	2.0	10
14	Cabin Temperature Control Model for Commercial Aircraft. , 2012, , .		9
15	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
16	A reduced order state space model for aeroelastic analysis in time domain. Journal of Fluids and Structures, 2017, 69, 428-440.	3.4	8
17	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
18	Aircraft Parameter Estimation Experiment Design Considering Measurement Colored Residuals. Journal of Aircraft, 2009, 46, 1857-1865.	2.4	7

#	ARTICLE	IF	CITATIONS
19	Flight Path Reconstruction and Parameter Estimation Using Output-Error Method. Shock and Vibration, 2006, 13, 379-392.	0.6	5
20	Aeroelastic stability analysis considering a continuous flight envelope. Journal of Fluids and Structures, 2014, 49, 716-727.	3.4	5
21	Model Based System Testing: Bringing Testing and Simulation Close Together. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 91-97.	0.5	5
22	Strain-Based Dynamic Measurements and Modal Testing. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 233-242.	0.5	5
23	Formation flight control of multirotor helicopters with collision avoidance. , 2015, , .		4
24	Selection And Definition Of Maneuvers For Parameter Identification Of An Unmanned Aerial Vehicle, Vector-P. IEEE Latin America Transactions, 2018, 16, 408-415.	1.6	4
25	Deflection control of an aeroelastic system utilizing an antagonistic shape memory alloy actuator. Meccanica, 2018, 53, 727-745.	2.0	4
26	Development of an Aeroelastic In-Flight Testing System for a Flexible Wing Unmanned Aerial Vehicle using Acceleration and Strain Sensors. , 2019, , .		4
27	Flight dynamics modeling of a flexible wing unmanned aerial vehicle. Mechanical Systems and Signal Processing, 2020, 145, 106900.	8.0	4
28	Flight Tests Telemetry Link for Small and Medium Aircrafts. , 0, , .		3
29	Identification of a Non-Linear Landing Gear Model Using Nature-Inspired Optimization. Shock and Vibration, 2008, 15, 257-272.	0.6	3
30	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
31	Distributed Formation Flight Control of Multirotor Helicopters. Journal of Control, Automation and Electrical Systems, 2017, 28, 502-515.	2.0	3
32	Use of LMS Amesim® model and a bond graph support to predict behavior impacts of typical failures in an aircraft hydraulic brake system. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	3
33	Feedback-error-learning for controlling a flexible link. , 0, , .		2
34	In-flight Output Only Modal Analysis of Aircraft Structural Dynamics. , 2008, , .		2
35	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
36	The Use of Gramian Matrices for Aeroelastic Stability Analysis. Mathematical Problems in Engineering, 2013, 2013, 1-9.	1.1	2

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37	Modal-Based Damage Detection of a Composite Helicopter Main Rotor Blade. , 2013, , .		2
38	Trajectory Tracking Control of an Aerial Robot with Obstacle Avoidance. IFAC-PapersOnLine, 2015, 48, 81-86.	0.9	2
39	Tethered Aerostat Stabilization in Turbulent Wind Using Actuated Fins. Journal of Guidance, Control, and Dynamics, 2017, 40, 3290-3298.	2.8	2
40	Antagonistic shape memory alloy wire as an actuator in a morphing wing. , 2018, , .		2
41	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
42	Landing Gear Free-Fall Simulation and Kinetic Energy Optimization. , 2010, , .		1
43	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
44	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
45	HSV and NDVI Color Space Analysis and Sampling Procedure for Counting of Seedlings in Eucalyptus spp Plantations from High Definition Aerial Images. , 2017, , .		1
46	A Labview/Arduino Measurement System for Shape Memory Alloy Wires. , 2018, , .		1
47	Investigations on Complex Acoustic Modes of Rocket Engines Combustion Chambers for Damping Allocation. Journal of Aerospace Technology and Management, 0, 13, .	0.3	1
48	Dynamic Modeling And Experimental Identification Of An Electric-Hydraulic Pressure Control Valve. , 1993, , .		0
49	Dynamic Modeling and Experimental Identification of Flexible Structure Mounted Manipulator System. , 2000, , 283.		0
50	Design of an Active Feel System for a Flight Simulator. , 2000, , .		0
51	An Investigations on Local and Global Behavior of a (SMA) Oscillator of 3-DOF Driven by a Limited Power Supply. , 2009, , .		0
52	Multivariable Control of Aeronautical Air Conditioning System Based on Thermal Comfort. , 2011, , .		0
53	Operating a Network of Balloons Instead of Satellites. , 2011, , .		0
54	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

#	ARTICLE	IF	CITATIONS
55	An integrated hybrid methodology of time series forecast and case-based reasoning for fault prognosis. , 2013, , .		0
56	Virtual Environment With AMESim and its Integration With MATLAB-Simulink. , 2016, , .		0
57	Experimental measurement of parameters for modeling a differentia drive soccer robot. , 2017, , .		0
58	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
59	Nonlinear Identification Using Polynomial NARMAX Model and a Stability Analysis of an Aeroelastic System. Lecture Notes in Mechanical Engineering, 2019, , 97-109.	0.4	0
60	Requirement derivation method for a legged robot with series-elastic actuators. , 0, , .		0