

Angel L Morales

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

431
citations

840776

11
h-index

752698

20
g-index

30
all docs

30
docs citations

30
times ranked

345
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical and experimental analysis of a vibration isolator equipped with a negative stiffness system. <i>Journal of Sound and Vibration</i> , 2018, 414, 31-42.	3.9	74
2	An analytical model of pneumatic suspensions based on an experimental characterization. <i>Journal of Sound and Vibration</i> , 2008, 313, 290-307.	3.9	69
3	A semi-active vehicle suspension based on pneumatic springs and magnetorheological dampers. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 808-821.	2.6	40
4	An adaptive pneumatic suspension system for improving ride comfort and handling. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 1492-1503.	2.6	38
5	An adaptive pneumatic suspension based on the estimation of the excitation frequency. <i>Journal of Sound and Vibration</i> , 2011, 330, 1891-1903.	3.9	36
6	Dynamic behaviour of pneumatic linear actuators. <i>Mechatronics</i> , 2017, 45, 37-48.	3.3	23
7	Unbalanced machinery vibration isolation with a semi-active pneumatic suspension. <i>Journal of Sound and Vibration</i> , 2010, 329, 3-12.	3.9	21
8	Study of magnetoelastic properties of pure nickel parts produced by metal injection moulding. <i>Materials and Design</i> , 2015, 88, 438-445.	7.0	16
9	Automatic measurement of field-dependent elastic modulus and damping by laser Doppler vibrometry. <i>Measurement Science and Technology</i> , 2008, 19, 125702.	2.6	14
10	Field-dependent elastic modulus and damping in pure iron, nickel and cobalt. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1952-1961.	2.3	14
11	The dynamic behavior of pneumatic vibration isolators. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4563-4574.	2.6	12
12	A finite element method for active vibration control of uncertain structures. <i>Mechanical Systems and Signal Processing</i> , 2012, 32, 79-93.	8.0	9
13	An adaptive pneumatic system for the attenuation of random vibrations. <i>JVC/Journal of Vibration and Control</i> , 2015, 21, 907-918.	2.6	8
14	On the mechanical behavior of rubber springs for high speed rail vehicles. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4676-4688.	2.6	7
15	Modelling Magnetorheological Dampers in Preyield and Postyield Regions. <i>Shock and Vibration</i> , 2019, 2019, 1-23.	0.6	7
16	Influence of internal stresses on field-dependent elastic modulus and damping in pure nickel. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 3584-3594.	2.3	6
17	Experimental analysis of the influence of the passengers on flexural vibrations of railway vehicle carboodies. <i>Vehicle System Dynamics</i> , 2022, 60, 2825-2844.	3.7	6
18	Comfort improvement in railway vehicles via optimal control of adaptive pneumatic suspensions. <i>Vehicle System Dynamics</i> , 2022, 60, 1702-1721.	3.7	6

#	ARTICLE	IF	CITATIONS
19	Improvement of Comfort in Suspension Seats with a Pneumatic Negative Stiffness System. Actuators, 2020, 9, 126.	2.3	5
20	Pointwise-constrained optimal control of a semiactive vehicle suspension. Optimal Control Applications and Methods, 2021, 42, 216-235.	2.1	5
21	Enhancing Properties of Soft Magnetic Materials: A Study into Hot Isostatic Pressing and Sintering Atmosphere Influences. Metals, 2021, 11, 643.	2.3	4
22	Methodology for evaluating neural networks inputs for gear fault detection. , 2009, , .		3
23	Vibration isolation of unbalanced machinery using an adaptive-passive magnetoelastic suspension. Journal of Sound and Vibration, 2012, 331, 263-275.	3.9	3
24	Sensorless automotive engine speed measurement by noise analysis. , 2009, , .		2
25	An Example of Inquiry-Based Learning for Undergraduate Mechanical Vibrations. Mechanisms and Machine Science, 2014, , 93-100.	0.5	2
26	Simultaneous Measurement of Young's Modulus and Damping Dependence on Magnetic Fields by Laser Interferometry. , 2007, , .		1
27	Influence of Structural Stiffness and Loss Factor on Railroad Vehicle Comfort. Applied Sciences (Switzerland), 2021, 11, 9273.	2.5	0
28	Characterization of field-dependent elastic modulus and damping in pure nickel and iron specimens using a new experimental system. , 2009, , .		0
29	Optimization of magnetoelastic properties of pure nickel by means of heat treatments. , 2011, , .		0