

JosÃ© M Chicharro

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6718529/publications.pdf>

Version: 2024-02-01

23
papers

396
citations

933447

10
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

302
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical and experimental analysis of a vibration isolator equipped with a negative stiffness system. Journal of Sound and Vibration, 2018, 414, 31-42.	3.9	74
2	An analytical model of pneumatic suspensions based on an experimental characterization. Journal of Sound and Vibration, 2008, 313, 290-307.	3.9	69
3	A semi-active vehicle suspension based on pneumatic springs and magnetorheological dampers. JVC/Journal of Vibration and Control, 2018, 24, 808-821.	2.6	40
4	An adaptive pneumatic suspension system for improving ride comfort and handling. JVC/Journal of Vibration and Control, 2016, 22, 1492-1503.	2.6	38
5	An adaptive pneumatic suspension based on the estimation of the excitation frequency. Journal of Sound and Vibration, 2011, 330, 1891-1903.	3.9	36
6	Dynamic behaviour of pneumatic linear actuators. Mechatronics, 2017, 45, 37-48.	3.3	23
7	Unbalanced machinery vibration isolation with a semi-active pneumatic suspension. Journal of Sound and Vibration, 2010, 329, 3-12.	3.9	21
8	Automatic measurement of field-dependent elastic modulus and damping by laser Doppler vibrometry. Measurement Science and Technology, 2008, 19, 125702.	2.6	14
9	Field-dependent elastic modulus and damping in pure iron, nickel and cobalt. Journal of Magnetism and Magnetic Materials, 2010, 322, 1952-1961.	2.3	14
10	The dynamic behavior of pneumatic vibration isolators. JVC/Journal of Vibration and Control, 2018, 24, 4563-4574.	2.6	12
11	An adaptive pneumatic system for the attenuation of random vibrations. JVC/Journal of Vibration and Control, 2015, 21, 907-918.	2.6	8
12	On the mechanical behavior of rubber springs for high speed rail vehicles. JVC/Journal of Vibration and Control, 2018, 24, 4676-4688.	2.6	7
13	Modelling Magnetorheological Dampers in Preyield and Postyield Regions. Shock and Vibration, 2019, 2019, 1-23.	0.6	7
14	Influence of internal stresses on field-dependent elastic modulus and damping in pure nickel. Journal of Magnetism and Magnetic Materials, 2010, 322, 3584-3594.	2.3	6
15	Experimental analysis of the influence of the passengers on flexural vibrations of railway vehicle carbodies. Vehicle System Dynamics, 2022, 60, 2825-2844.	3.7	6
16	Comfort improvement in railway vehicles via optimal control of adaptive pneumatic suspensions. Vehicle System Dynamics, 2022, 60, 1702-1721.	3.7	6
17	Improvement of Comfort in Suspension Seats with a Pneumatic Negative Stiffness System. Actuators, 2020, 9, 126.	2.3	5
18	Pointwise-constrained optimal control of a semiactive vehicle suspension. Optimal Control Applications and Methods, 2021, 42, 216-235.	2.1	5

#	ARTICLE	IF	CITATIONS
19	Vibration isolation of unbalanced machinery using an adaptive-passive magnetoelastic suspension. Journal of Sound and Vibration, 2012, 331, 263-275.	3.9	3
20	An Example of Inquiry-Based Learning for Undergraduate Mechanical Vibrations. Mechanisms and Machine Science, 2014, , 93-100.	0.5	2
21	Influence of Structural Stiffness and Loss Factor on Railroad Vehicle Comfort. Applied Sciences (Switzerland), 2021, 11, 9273.	2.5	0
22	Characterization of field-dependent elastic modulus and damping in pure nickel and iron specimens using a new experimental system. , 2009, , .		0
23	Optimization of magnetoelastic properties of pure nickel by means of heat treatments. , 2011, , .		0