

Antonio Culla

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

557
citations

687363

13
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

504
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimode vibration control using several piezoelectric transducers shunted with a multiterminal network. <i>Archive of Applied Mechanics</i> , 2009, 79, 859-879.	2.2	96
2	Influence of Different Angles of Reciprocation on the Cyclic Fatigue of Nickel-Titanium Endodontic Instruments. <i>Journal of Endodontics</i> , 2012, 38, 1408-1411.	3.1	91
3	Instability scenarios between elastic media under frictional contact. <i>Mechanical Systems and Signal Processing</i> , 2013, 40, 754-766.	8.0	60
4	Coupling system dynamics and contact behaviour: Modelling bearings subjected to environmental induced vibrations and "false brinelling"™ degradation. <i>Mechanical Systems and Signal Processing</i> , 2010, 24, 1068-1080.	8.0	41
5	Wave and rupture propagation at frictional bimaterial sliding interfaces: From local to global dynamics, from stick-slip to continuous sliding. <i>Tribology International</i> , 2012, 52, 117-131.	5.9	41
6	Experimental and numerical analysis of frictional contact scenarios: from macro stick-slip to continuous sliding. <i>Meccanica</i> , 2015, 50, 649-664.	2.0	41
7	Uncertainty model for contact instability prediction. <i>Journal of the Acoustical Society of America</i> , 2009, 126, 1111-1119.	1.1	36
8	ENERGY FLOW UNCERTAINTIES IN VIBRATING SYSTEMS: DEFINITION OF A STATISTICAL CONFIDENCE FACTOR. <i>Mechanical Systems and Signal Processing</i> , 2003, 17, 635-663.	8.0	31
9	Vibroacoustic optimization using a statistical energy analysis model. <i>Journal of Sound and Vibration</i> , 2016, 375, 102-114.	3.9	22
10	Statistical moments predictions for a moored floating body oscillating in random waves. <i>Journal of Sound and Vibration</i> , 2007, 308, 44-66.	3.9	17
11	Structural modifications for squeal noise reduction: numerical and experimental validation. <i>International Journal of Vehicle Design</i> , 2009, 51, 168.	0.3	16
12	Is it possible to treat confidentially SEA the wolf in sheep's clothing?. <i>Mechanical Systems and Signal Processing</i> , 2006, 20, 1372-1399.	8.0	15
13	Parametric approaches for uncertainty propagation in SEA. <i>Mechanical Systems and Signal Processing</i> , 2011, 25, 193-204.	8.0	15
14	OPTYRE™ Real Time Estimation of Rolling Resistance for Intelligent Tyres. <i>Sensors</i> , 2019, 19, 5119.	3.8	8
15	Experimental Dynamic Substructuring of the Ampair Wind Turbine Test Bed. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2014, , 15-26.	0.5	8
16	Comparison of statistical and interval analysis for the energy flow uncertainties in structural vibrating systems. <i>Journal of Sound and Vibration</i> , 2008, 314, 672-692.	3.9	6
17	Estimation of Rotational Degrees of Freedom by EMA and FEM Mode Shapes. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2013, , 355-365.	0.5	4
18	High Frequency Vibroacoustic Analyses on VEGA Launch Vehicle. , 2007, , .		3

#	ARTICLE	IF	CITATIONS
19	Dynamics of Rupture at Frictional Rough Interfaces During Sliding Initiation. , 2010, , .		1
20	<title>Energy flow analysis in vibrating systems by laser vibrometer measurements</title>. , 2002, , .		0
21	Prediction of the Acoustic Levels During P80 FW Static Firing Test. , 2007, , .		0
22	Uncertainty propagation in SEA using sensitivity analysis and Design of Experiments. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2011, , 243-254.	0.2	0
23	Operational Modal Analysis in Absence of a Random Distributed Load. , 2011, , .		0