

Nere Gil-Negrete

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

398
citations

758635

12
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794141

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28
all docs

28
docs citations

28
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	A simplified methodology to predict the dynamic stiffness of carbon-black filled rubber isolators using a finite element code. <i>Journal of Sound and Vibration</i> , 2006, 296, 757-776.	2.1	64
2	Effect of liquid high positive friction (HPF) modifier on wheel-rail contact and rail corrugation. <i>Tribology International</i> , 2005, 38, 769-774.	3.0	40
3	A Nonlinear Rubber Material Model Combining Fractional Order Viscoelasticity and Amplitude Dependent Effects. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2009, 76, .	1.1	39
4	Frequency and amplitude dependence of the axial and radial stiffness of carbon-black filled rubber bushings. <i>Polymer Testing</i> , 2007, 26, 629-638.	2.3	38
5	Torsion stiffness of a rubber bushing: A simple engineering design formula including the amplitude dependence. <i>Journal of Strain Analysis for Engineering Design</i> , 2007, 42, 13-21.	1.0	24
6	Direct energy flow measurement in magneto-sensitive vibration isolator systems. <i>Journal of Sound and Vibration</i> , 2012, 331, 1994-2006.	2.1	22
7	Development of a rubber component model suitable for being implemented in railway dynamic simulation programs. <i>Journal of Sound and Vibration</i> , 2013, 332, 3032-3048.	2.1	21
8	Predicting the Dynamic Behaviour of Hydrobushings. <i>Shock and Vibration</i> , 2005, 12, 91-107.	0.3	19
9	Modelling energy flow through magneto-sensitive vibration isolators. <i>International Journal of Engineering Science</i> , 2013, 65, 22-39.	2.7	18
10	Influence of carbon black and plasticisers on dynamic properties of isotropic magnetosensitive natural rubber. <i>Plastics, Rubber and Composites</i> , 2012, 41, 310-317.	0.9	17
11	Viscoelastic models for rubber mounts: influence on the dynamic behaviour of an elastomeric isolated system. <i>International Journal of Vehicle Design</i> , 2009, 49, 303.	0.1	15
12	Theoretical prediction of the damping of a railway wheel with sandwich-type dampers. <i>Journal of Sound and Vibration</i> , 2014, 333, 4897-4911.	2.1	13
13	Distributed support modelling for vertical track dynamic analysis. <i>Vehicle System Dynamics</i> , 2018, 56, 529-552.	2.2	13
14	A survey on the modelling of air springs “ secondary suspension in railway vehicles. <i>Vehicle System Dynamics</i> , 2022, 60, 835-864.	2.2	11
15	Constrained Layer Damper Modelling and Performance Evaluation for Eliminating Squeal Noise in Trams. <i>Shock and Vibration</i> , 2014, 2014, 1-11.	0.3	8
16	Indirect energy flow measurement in magneto-sensitive vibration isolator systems. <i>Applied Acoustics</i> , 2013, 74, 575-584.	1.7	7
17	Implementation of Timoshenko element local deflection for vertical track modelling. <i>Vehicle System Dynamics</i> , 2019, 57, 1421-1444.	2.2	7
18	Effect of lubrication on the mechanical behavior of magnetorheological elastomers in compression mode. <i>Polymer Testing</i> , 2022, 111, 107617.	2.3	6

#	ARTICLE	IF	CITATIONS
19	A computer experiment application to the design and optimization of a capacitive accelerometer. Applied Stochastic Models in Business and Industry, 2009, 25, 151-162.	0.9	4
20	Practical Computational Aeroacoustics for Compact Surfaces in Low Mach Number Flows. Acta Acustica United With Acustica, 2011, 97, 14-23.	0.8	4
21	Numerical vibro-acoustic analysis of railway wheels with and without damping solutions. Noise Control Engineering Journal, 2012, 60, 458-472.	0.2	3
22	An experimental comparison between existing damping solutions for railway wheels. Noise Control Engineering Journal, 2015, 63, 448-459.	0.2	2
23	Practical Computational Aeroacoustics for Complex Confined Scattering Geometries in Low Mach Number Flows. Acta Acustica United With Acustica, 2013, 99, 130-138.	0.8	1
24	Influence of Sandwich-Type Constrained Layer Damper Design Parameters on Damping Strength. Shock and Vibration, 2016, 2016, 1-14.	0.3	1
25	Multidisciplinary analysis of a 750kW PMSM for marine propulsion including shock loading response. IET Electric Power Applications, 2020, 14, 1974-1983.	1.1	1
26	Modal approach to obtain the coupling loss factors between structural systems and the surrounding fluid. Applied Acoustics, 2018, 133, 144-156.	1.7	0
27	Design and applications Characterization of elastomers under simultaneous tension and torsion for application to engine mounts. , 2013, , 603-608.		0