

Olivier Chiello

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

410
citations

840776

11
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

186
citing authors

#	ARTICLE	IF	CITATIONS
1	A global strategy based on experiments and simulations for squeal prediction on industrial railway brakes. <i>Journal of Sound and Vibration</i> , 2013, 332, 5068-5085.	3.9	79
2	Curve squeal of urban rolling stock"Part 3: Theoretical model. <i>Journal of Sound and Vibration</i> , 2006, 293, 710-727.	3.9	44
3	Self-excited vibrations of a non-smooth contact dynamical system with planar friction based on the shooting method. <i>International Journal of Mechanical Sciences</i> , 2018, 144, 90-101.	6.7	40
4	Curve squeal of urban rolling stock"Part 2: Parametric study on a 1/4 scale test rig. <i>Journal of Sound and Vibration</i> , 2006, 293, 701-709.	3.9	37
5	Validation, performance, convergence and application of free interface component mode synthesis. <i>Computers and Structures</i> , 2001, 79, 1861-1876.	4.4	36
6	Performances of some reduced bases for the stability analysis of a disc/pads system in sliding contact. <i>Journal of Sound and Vibration</i> , 2011, 330, 703-720.	3.9	26
7	Study of nonlinear behaviors and modal reductions for friction destabilized systems. Application to an elastic layer. <i>Journal of Sound and Vibration</i> , 2012, 331, 1011-1041.	3.9	24
8	On the use of a component mode synthesis technique to investigate the effects of elastic boundary conditions on the transmission loss of baffled plates. <i>Computers and Structures</i> , 2003, 81, 2645-2658.	4.4	19
9	Parametric study of the mode coupling instability for a simple system with planar or rectilinear friction. <i>Journal of Sound and Vibration</i> , 2016, 384, 94-112.	3.9	19
10	Full finite element models and reduction strategies for the simulation of friction-induced vibrations of rolling contact systems. <i>Journal of Sound and Vibration</i> , 2019, 444, 197-215.	3.9	16
11	Characterisation of the acoustic field radiated by a rail with a microphone array: The SWEAM method. <i>Journal of Sound and Vibration</i> , 2015, 346, 165-190.	3.9	15
12	Estimation of self-sustained vibration for a finite element brake model based on the shooting method with a reduced basis approximation of initial conditions. <i>Journal of Sound and Vibration</i> , 2020, 468, 115050.	3.9	12
13	The critical effect of rail vertical phase response in railway curve squeal generation. <i>International Journal of Mechanical Sciences</i> , 2020, 167, 105281.	6.7	9
14	Squeal noise generated by railway disc brakes: Experiments and stability computations on large industrial models. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	8
15	Propagation of Vibrations Due to a Tramway Line. , 2008, , 158-164.		7
16	A nonlinear FE model for wheel/rail curve squeal in the time-domain including acoustic predictions. <i>Applied Acoustics</i> , 2021, 179, 108031.	3.3	6
17	Stability and Transient Analysis in the Modelling of Railway Disc Brake Squeal. , 2008, , 447-453.		6
18	Non Smooth Contact Dynamics Approach for Mechanical Systems Subjected to Friction-Induced Vibration. <i>Lubricants</i> , 2019, 7, 59.	2.9	2

#	ARTICLE	IF	CITATIONS
19	A Full Finite Element Model for the Simulation of Friction-Induced Vibrations of Wheel/Rail Systems: Application to Curve Squeal Noise. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2021, , 339-347.	0.3	0