

# Olivier Chiello

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9261947/publications.pdf>

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

#	ARTICLE	IF	CITATIONS
19	Validation, performance, convergence and application of free interface component mode synthesis. Computers and Structures, 2001, 79, 1861-1876.	4.4	36