

Ernesto Garcia Vadillo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/802165/publications.pdf>

Version: 2024-02-01

16
papers

319
citations

933447

10
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

223
citing authors

#	ARTICLE	IF	CITATIONS
1	Approximating the influence coefficients of non-planar elastic solids for conformal contact analysis. Tribology International, 2021, 154, 106671.	5.9	6
2	On the non-proportionality between wheel/rail contact forces and speed during wheelset passage over specific welds. Journal of Sound and Vibration, 2018, 413, 79-100.	3.9	5
3	A contact mechanics study of 3D frictional conformal contact. Tribology International, 2018, 119, 143-156.	5.9	17
4	On the influence of conformity on wheel-rail rolling contact mechanics. Tribology International, 2016, 103, 647-667.	5.9	36
5	On the study of train-track dynamic interactions caused by rail welds on discrete supported rails. Wear, 2014, 314, 291-298.	3.1	9
6	Design of an optimised wheel profile for rail vehicles operating on two-track gauges. Vehicle System Dynamics, 2013, 51, 54-73.	3.7	14
7	Solution of the 3D-Helmholtz equation in exterior domains using spherical harmonic decomposition. Computers and Mathematics With Applications, 2012, 64, 2520-2543.	2.7	3
8	A rational fraction polynomials model to study vertical dynamic wheel-rail interaction. Journal of Sound and Vibration, 2012, 331, 1844-1858.	3.9	15
9	Modelling rail corrugation with specific-track parameters focusing on ballasted track and slab track. Vehicle System Dynamics, 2011, 49, 1733-1748.	3.7	6
10	Rail corrugation development in high speed lines. Wear, 2011, 271, 2438-2447.	3.1	33
11	Influence of creep forces on the risk of derailment of railway vehicles. Vehicle System Dynamics, 2009, 47, 721-752.	3.7	31
12	Wheel-rail wear index prediction considering multiple contact patches. Wear, 2009, 267, 1100-1104.	3.1	10
13	Dynamic optimization of track components to minimize rail corrugation. Journal of Sound and Vibration, 2009, 319, 904-917.	3.9	29
14	A comprehensive track model for the improvement of corrugation models. Journal of Sound and Vibration, 2006, 293, 522-534.	3.9	28
15	A comprehensive method for the elastic calculation of the two-point wheel-rail contact. Vehicle System Dynamics, 2006, 44, 240-250.	3.7	30
16	Effect of sleeper distance on rail corrugation. Wear, 1998, 217, 140-145.	3.1	47