

Kaiyun Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7640094/publications.pdf>

Version: 2024-02-01

17
papers

1,325
citations

840776

11
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

676
citing authors

#	ARTICLE	IF	CITATIONS
1	Fundamentals of vehicle-track coupled dynamics. <i>Vehicle System Dynamics</i> , 2009, 47, 1349-1376.	3.7	638
2	High-speed train-track-bridge dynamic interactions Part I: theoretical model and numerical simulation. <i>International Journal of Rail Transportation</i> , 2013, 1, 3-24.	2.7	310
3	Experimental investigation on vibration behaviour of a CRH train at speed of 350 km/h. <i>International Journal of Rail Transportation</i> , 2015, 3, 1-16.	2.7	135
4	Establishment and verification of three-dimensional dynamic model for heavy-haul train-track coupled system. <i>Vehicle System Dynamics</i> , 2016, 54, 1511-1537.	3.7	56
5	Wheel/rail dynamic interaction due to excitation of rail corrugation in high-speed railway. <i>Science China Technological Sciences</i> , 2015, 58, 226-235.	4.0	40
6	Study of the post-derailment safety measures on low-speed derailment tests. <i>Vehicle System Dynamics</i> , 2016, 54, 943-962.	3.7	26
7	Analysis of the car body stability performance after coupler jack-knifing during braking. <i>Vehicle System Dynamics</i> , 2018, 56, 900-922.	3.7	21
8	Effect of arc surfaces friction coefficient on coupler stability in heavy haul locomotives: simulation and experiment. <i>Vehicle System Dynamics</i> , 2017, 55, 1368-1383.	3.7	18
9	Collision derailments on bridges containing ballastless slab tracks. <i>Engineering Failure Analysis</i> , 2019, 105, 869-882.	4.0	16
10	Dynamic derailment simulation of an empty wagon passing a turnout in the through route. <i>Vehicle System Dynamics</i> , 2022, 60, 1148-1169.	3.7	16
11	The effect of the secondary lateral stopper on the compressed stability of the couplers and running safety of the locomotives. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2018, 232, 851-862.	2.0	14
12	Numerical Investigation on Wheel-Rail Dynamic Vibration Excited by Rail Spalling in High-Speed Railway. <i>Shock and Vibration</i> , 2016, 2016, 1-11.	0.6	8
13	Influence of Wheel Eccentricity on Vertical Vibration of Suspended Monorail Vehicle: Experiment and Simulation. <i>Shock and Vibration</i> , 2017, 2017, 1-10.	0.6	8
14	Investigation on Derailment of Empty Wagons of Long Freight Train during Dynamic Braking. <i>Shock and Vibration</i> , 2018, 2018, 1-18.	0.6	8
15	High-Speed Train-Track-Bridge Dynamic Interaction considering Wheel-Rail Contact Nonlinearity due to Wheel Hollow Wear. <i>Shock and Vibration</i> , 2019, 2019, 1-18.	0.6	6
16	EFFECT OF LATERAL STIFFNESS OF SECONDARY SUSPENSIONS ON HEAVY-HAUL LOCOMOTIVES STABILITY DURING BRAKING BASED ON SIMULATION AND EXPERIMENT. <i>Transport</i> , 2019, 34, 548-558.	1.2	3
17	Stochastic Analysis on the Resonance of Railway Trains Moving over a Series of Simply Supported Bridges. <i>Shock and Vibration</i> , 2021, 2021, 1-15.	0.6	2