

Shihui Luo

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

636
citations

840776

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610901

24
g-index

30
all docs

30
docs citations

30
times ranked

344
citing authors

#	ARTICLE	IF	CITATIONS
1	Freight train air brake models. International Journal of Rail Transportation, 2023, 11, 1-49.	2.7	52
2	Experimental study on vertical vibration characteristics of medium-low speed maglev vehicle when standing still on steel beams. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2022, 236, 609-622.	2.0	6
3	Optimal selection of the linear induction motor spacing for the medium-low speed maglev vehicle. International Journal of Rail Transportation, 2021, 9, 157-185.	2.7	2
4	Experimental study on dynamic performance of medium and low speed maglev train-track-bridge system. International Journal of Rail Transportation, 2021, 9, 232-255.	2.7	14
5	Decoupling Capability of Levitation Frames for Medium-Low Speed Maglev Trains. International Journal of Structural Stability and Dynamics, 2021, 21, .	2.4	1
6	Study on lateral stability of levitation modules for low- and medium-speed maglev trains. Archive of Applied Mechanics, 2020, 90, 437-447.	2.2	1
7	Research on the compression stability mechanism and its optimisation of coupler with arc surface contact. Vehicle System Dynamics, 2020, 58, 1553-1574.	3.7	8
8	A vehicleâ€™s track beam matching index in EMS maglev transportation system. Archive of Applied Mechanics, 2020, 90, 773-787.	2.2	4
9	Study on stability and bifurcation of electromagnet-track beam coupling system for EMS maglev vehicle. Nonlinear Dynamics, 2020, 101, 2181-2193.	5.2	8
10	Dynamic Characteristics of Metro Trains under Rescue Conditions. Shock and Vibration, 2020, 2020, 1-12.	0.6	0
11	Simulation analysis on the coupler behaviour and its influence on the braking safety of locomotive. Vehicle System Dynamics, 2018, 56, 1747-1767.	3.7	13
12	Bolster spring fault detection strategy for heavy haul wagons. Vehicle System Dynamics, 2018, 56, 1604-1621.	3.7	12
13	Research on the mechanism of a newly developed levitation frame with mid-set air spring. Vehicle System Dynamics, 2018, 56, 1797-1816.	3.7	28
14	The mechanism of wheelset longitudinal vibration and its influence on periodical wheel wear. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 396-407.	2.0	7
15	International benchmarking of longitudinal train dynamics simulators: results. Vehicle System Dynamics, 2018, 56, 343-365.	3.7	50
16	Influence of the wheel diameter difference on the wheel/rail dynamic contact relationship of the heavy haul locomotive. Australian Journal of Mechanical Engineering, 2018, 16, 98-108.	2.1	5
17	A signal-based fault detection and classification method for heavy haul wagons. Vehicle System Dynamics, 2017, 55, 1807-1822.	3.7	5
18	An overview: modern techniques for railway vehicle on-board health monitoring systems. Vehicle System Dynamics, 2017, 55, 1045-1070.	3.7	123

#	ARTICLE	IF	CITATIONS
19	Comparisons of draft gear damping mechanisms. <i>Vehicle System Dynamics</i> , 2017, 55, 501-516.	3.7	24
20	Modelling polymer draft gears. <i>Vehicle System Dynamics</i> , 2016, 54, 1208-1225.	3.7	30
21	Assessment of the curving performance of heavy haul trains under braking conditions. <i>Journal of Modern Transportation</i> , 2015, 23, 169-175.	2.5	15
22	Research into the problem of wheel tread spalling caused by wheelset longitudinal vibration. <i>Vehicle System Dynamics</i> , 2015, 53, 546-567.	3.7	10
23	The stability and mechanical characteristics of heavy haul couplers with restoring bumpstop. <i>Vehicle System Dynamics</i> , 2014, 52, 26-44.	3.7	10
24	Longitudinal dynamics and energy analysis for heavy haul trains. <i>Journal of Modern Transportation</i> , 2014, 22, 127-136.	2.5	46
25	Stabilizing mechanism and running behavior of couplers on heavy haul trains. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2014, 27, 1211-1218.	3.7	6
26	A review of dynamics modelling of friction draft gear. <i>Vehicle System Dynamics</i> , 2014, 52, 733-758.	3.7	76
27	Analysis of the rotation angle of a coupler used on heavy haul locomotives. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2014, 228, 835-844.	2.0	9
28	Coupler jackknifing and derailments of locomotives on tangent track. <i>Vehicle System Dynamics</i> , 2013, 51, 1784-1800.	3.7	41
29	Coupler dynamic performance analysis of heavy haul locomotives. <i>Vehicle System Dynamics</i> , 2012, 50, 1435-1452.	3.7	30
30	A study of the compression stability of a coupler under initial asymmetric conditions. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 0, , 095440972110388.	2.0	0