

# Shihui Luo

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

636  
citations

840776

11  
h-index

610901

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

344  
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview: modern techniques for railway vehicle on-board health monitoring systems. <i>Vehicle System Dynamics</i> , 2017, 55, 1045-1070.	3.7	123
2	A review of dynamics modelling of friction draft gear. <i>Vehicle System Dynamics</i> , 2014, 52, 733-758.	3.7	76
3	Freight train air brake models. <i>International Journal of Rail Transportation</i> , 2023, 11, 1-49.	2.7	52
4	International benchmarking of longitudinal train dynamics simulators: results. <i>Vehicle System Dynamics</i> , 2018, 56, 343-365.	3.7	50
5	Longitudinal dynamics and energy analysis for heavy haul trains. <i>Journal of Modern Transportation</i> , 2014, 22, 127-136.	2.5	46
6	Coupler jackknifing and derailments of locomotives on tangent track. <i>Vehicle System Dynamics</i> , 2013, 51, 1784-1800.	3.7	41
7	Coupler dynamic performance analysis of heavy haul locomotives. <i>Vehicle System Dynamics</i> , 2012, 50, 1435-1452.	3.7	30
8	Modelling polymer draft gears. <i>Vehicle System Dynamics</i> , 2016, 54, 1208-1225.	3.7	30
9	Research on the mechanism of a newly developed levitation frame with mid-set air spring. <i>Vehicle System Dynamics</i> , 2018, 56, 1797-1816.	3.7	28
10	Comparisons of draft gear damping mechanisms. <i>Vehicle System Dynamics</i> , 2017, 55, 501-516.	3.7	24
11	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
12	Experimental study on dynamic performance of medium and low speed maglev train-track-bridge system. <i>International Journal of Rail Transportation</i> , 2021, 9, 232-255.	2.7	14
13	Simulation analysis on the coupler behaviour and its influence on the braking safety of locomotive. <i>Vehicle System Dynamics</i> , 2018, 56, 1747-1767.	3.7	13
14	Bolster spring fault detection strategy for heavy haul wagons. <i>Vehicle System Dynamics</i> , 2018, 56, 1604-1621.	3.7	12
15	The stability and mechanical characteristics of heavy haul couplers with restoring bumpstop. <i>Vehicle System Dynamics</i> , 2014, 52, 26-44.	3.7	10
16	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
17	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
18	Research on the compression stability mechanism and its optimisation of coupler with arc surface contact. <i>Vehicle System Dynamics</i> , 2020, 58, 1553-1574.	3.7	8

#	ARTICLE	IF	CITATIONS
19	Study on stability and bifurcation of electromagnet-track beam coupling system for EMS maglev vehicle. <i>Nonlinear Dynamics</i> , 2020, 101, 2181-2193.	5.2	8
20	The mechanism of wheelset longitudinal vibration and its influence on periodical wheel wear. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2018, 232, 396-407.	2.0	7
21	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
22	Experimental study on vertical vibration characteristics of medium-low speed maglev vehicle when standing still on steel beams. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2022, 236, 609-622.	2.0	6
23	A signal-based fault detection and classification method for heavy haul wagons. <i>Vehicle System Dynamics</i> , 2017, 55, 1807-1822.	3.7	5
24	Influence of the wheel diameter difference on the wheel/rail dynamic contact relationship of the heavy haul locomotive. <i>Australian Journal of Mechanical Engineering</i> , 2018, 16, 98-108.	2.1	5
25	A vehicle-track beam matching index in EMS maglev transportation system. <i>Archive of Applied Mechanics</i> , 2020, 90, 773-787.	2.2	4
26	Optimal selection of the linear induction motor spacing for the medium-low speed maglev vehicle. <i>International Journal of Rail Transportation</i> , 2021, 9, 157-185.	2.7	2
27	Study on lateral stability of levitation modules for low- and medium-speed maglev trains. <i>Archive of Applied Mechanics</i> , 2020, 90, 437-447.	2.2	1
28	Decoupling Capability of Levitation Frames for Medium-Low Speed Maglev Trains. <i>International Journal of Structural Stability and Dynamics</i> , 2021, 21, .	2.4	1
29	Dynamic Characteristics of Metro Trains under Rescue Conditions. <i>Shock and Vibration</i> , 2020, 2020, 1-12.	0.6	0
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