

Hao Wu

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

221
citations

1163117

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h-index

1125743

13
g-index

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all docs

13
docs citations

13
times ranked

151
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue analysis of the gearbox housing in high-speed trains under wheel polygonization using a multibody dynamics algorithm. <i>Engineering Failure Analysis</i> , 2019, 100, 351-364.	4.0	56
2	Vibration fatigue dynamic stress simulation under non-stationary state. <i>Mechanical Systems and Signal Processing</i> , 2021, 146, 107006.	8.0	43
3	Investigating the influence of rail grinding on stability, vibration, and ride comfort of high-speed EMUs using multi-body dynamics modelling. <i>Vehicle System Dynamics</i> , 2019, 57, 1621-1642.	3.7	21
4	Vibration fatigue dynamic stress simulation under multi-load input condition: Application to metro lifeguard. <i>Engineering Failure Analysis</i> , 2019, 99, 141-152.	4.0	18
5	Finite element model updating using crow search algorithm with Levy flight. <i>International Journal for Numerical Methods in Engineering</i> , 2020, 121, 2916-2928.	2.8	18
6	Research on Vibration Characteristics and Stress Analysis of Gearbox Housing in High-Speed Trains. <i>IEEE Access</i> , 2019, 7, 102508-102518.	4.2	13
7	Optimal profile design for rail grinding based on wheel-rail contact, stability, and wear development in high-speed electric multiple units. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2020, 234, 666-677.	2.0	12
8	Association of human mobility with road crashes for pandemic-ready safer mobility: A New York City case study. <i>Accident Analysis and Prevention</i> , 2022, 165, 106478.	5.7	11
9	Vibration fatigue analysis of high-speed railway vehicle carbody under shaking condition. <i>Vehicle System Dynamics</i> , 2022, 60, 1867-1887.	3.7	8
10	Influence of DC-link voltage pulsation of transmission systems on mechanical structure vibration and fatigue in high-speed trains. <i>Engineering Failure Analysis</i> , 2021, 130, 105772.	4.0	7
11	Application of kernel density estimation to extrapolating the fatigue loads on a high-speed train. <i>Vehicle System Dynamics</i> , 2020, 58, 1212-1225.	3.7	5
12	Current signal characteristics analysis of transmission system in high-speed train under abnormal vibration conditions. <i>Vehicle System Dynamics</i> , 2023, 61, 1151-1167.	3.7	5
13	Vibration and Stress Response of High-Speed Train Gearboxes under Different Excitations. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 712.	2.5	4