

Ping Lou

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

247
citations

1307594

7
h-index

940533

16
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19
all docs

19
docs citations

19
times ranked

152
citing authors

#	ARTICLE	IF	CITATIONS
1	Formulation of equations of motion of finite element form for vehicle-track-bridge interaction system with two types of vehicle model. <i>International Journal for Numerical Methods in Engineering</i> , 2005, 62, 435-474.	2.8	78
2	Finite element analysis for train-track-bridge interaction system. <i>Archive of Applied Mechanics</i> , 2007, 77, 707-728.	2.2	62
3	Vertical dynamic responses of a simply supported bridge subjected to a moving train with two-wheelset vehicles using modal analysis method. <i>International Journal for Numerical Methods in Engineering</i> , 2005, 64, 1207-1235.	2.8	18
4	Influence of Vehicle Number on the Dynamic Characteristics of High-Speed Train-CRTS III Slab Track-Subgrade Coupled System. <i>Materials</i> , 2021, 14, 3662.	2.9	11
5	Longitudinal Force of Continuously Welded Rail on Suspension Bridge with Length Exceeding 1000m. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2019, 29, 390-395.	0.8	10
6	A Study on Axial Compression Performance of Concrete-Filled Steel-Tubular Shear Wall with a Multi-Cavity T-Shaped Cross-Section. <i>Energies</i> , 2020, 13, 4831.	3.1	9
7	Deformation and Mechanical Characteristics of Existing Foundation Pit and Tunnel Itself Caused by Shield Tunnel Undercrossing. <i>Symmetry</i> , 2022, 14, 263.	2.2	9
8	Finite element analysis of the thermal interaction of continuously welded rails with simply supported bridges considering nonlinear stiffness. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2020, 234, 1358-1367.	2.0	7
9	Effects of Curved Wind Barrier on the Aerodynamic Characteristics of a Train-Bridge System and Its Static Wind Load. <i>International Journal of Structural Stability and Dynamics</i> , 2022, 22, .	2.4	7
10	Vertical temperature gradients of concrete box girder caused by solar radiation in Sichuan-Tibet railway. <i>Journal of Zhejiang University: Science A</i> , 2022, 23, 375-387.	2.4	6
11	Finite-Element Formulae for Calculating the Sectional Forces of a Bernoulli-Euler Beam on Continuously Viscoelastic Foundation Subjected to Concentrated Moving Loads. <i>Shock and Vibration</i> , 2008, 15, 147-162.	0.6	5
12	Dynamic Responses of Vehicle-CRTS III Slab Track System and Vehicle Running Safety Subjected to Uniform Seismic Excitation. <i>Shock and Vibration</i> , 2019, 2019, 1-12.	0.6	5
13	Time-varying non-uniform temperature distributions in concrete box girders caused by solar radiation in various regions in China. <i>Advances in Mechanical Engineering</i> , 2022, 14, 168781402210764.	1.6	5
14	Appropriate Matching Locations of Rail Expansion Regulator and Fixed Bearing of Continuous Beam Considering the Temperature Change of Bridge. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6046.	2.5	4
15	Shifted Resonance of Railway Bridges Under Trains Passing by Each Other. <i>International Journal of Structural Stability and Dynamics</i> , 2022, 22, .	2.4	4
16	Influence of Wind Barriers with Different Curvatures on Crosswind Aerodynamic Characteristics of a Train-Bridge System. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1747.	2.5	4
17	Natural Frequency Region Fluid-Structural-Interaction approach for dynamic impact predictions and experimental verification of rubber-metal bonded systems with fluid. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2019, 233, 211-219.	2.0	1
18	Appropriate locations of fixed bearings of continuous beams considering rail-bridge thermal interaction. <i>Science Progress</i> , 2020, 103, 003685042098245.	1.9	0