

Xianyong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8690916/publications.pdf>

Version: 2024-02-01

12
papers

212
citations

1163117

8
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

133
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic response analysis of vehicle and asphalt pavement coupled system with the excitation of road surface unevenness. <i>Applied Mathematical Modelling</i> , 2022, 104, 421-438.	4.2	37
2	Analytical solutions of asphalt pavement responses under moving loads with arbitrary non-uniform tire contact pressure and irregular tire imprint. <i>Road Materials and Pavement Design</i> , 2018, 19, 1887-1903.	4.0	34
3	Airport asphalt pavement health monitoring system for mechanical model updating and distress evaluation under realistic random aircraft loads. <i>Construction and Building Materials</i> , 2019, 226, 227-237.	7.2	28
4	Monitoring the structural capacity of airfield pavement with built-in sensors and modulus back-calculation algorithm. <i>Construction and Building Materials</i> , 2018, 175, 552-561.	7.2	22
5	Airport pavement responses obtained from wireless sensing network upon digital signal processing. <i>International Journal of Pavement Engineering</i> , 2018, 19, 381-390.	4.4	20
6	Theoretical evaluation of the measurement accuracy of fiber Bragg grating strain sensors within randomly filled asphalt mixtures based on finite element simulation. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2057.	4.0	19
7	Toward Asphalt Pavement Health Monitoring With Built-In Sensors: A Novel Application to Real-Time Modulus Evaluation. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 22040-22052.	8.0	15
8	Analytical solution for the mechanical responses of transversely isotropic viscoelastic multi-layered asphalt pavement subjected to moving harmonic load. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 147, 106822.	3.8	15
9	Wave propagation approach for dynamic responses of transversely isotropic viscoelastic pavement under impact load. <i>Road Materials and Pavement Design</i> , 2022, 23, 2076-2097.	4.0	8
10	Stiffness identification method for asphalt pavement layers and interfaces using monitoring data from built-in sensors. <i>Structural Health Monitoring</i> , 2023, 22, 151-165.	7.5	7
11	Self-Monitoring of Damage Evolution in Asphalt Concrete Based on Electrical Resistance Change Method. <i>Journal of Testing and Evaluation</i> , 2022, 50, 2698-2717.	0.7	4
12	Fractional Viscoelastic Models for Asphalt Concrete: From Parameter Identification to Pavement Mechanics Analysis. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	2.9	3