

Xianyong

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

212
citations

1163117

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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |