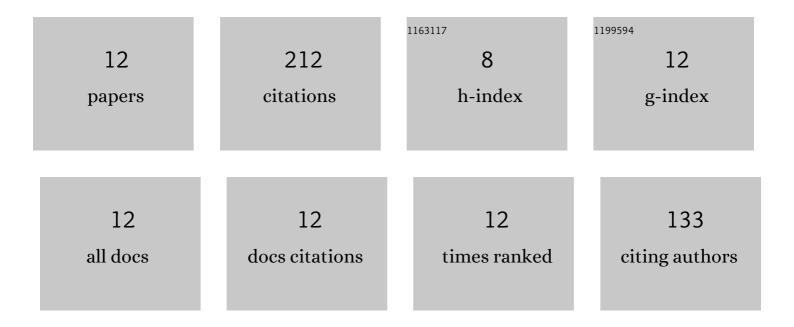


List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8690916/publications.pdf Version: 2024-02-01



XIANVONC

#	Article	IF	CITATIONS
1	Dynamic response analysis of vehicle and asphalt pavement coupled system with the excitation of road surface unevenness. Applied Mathematical Modelling, 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. Road Materials and Pavement Design, 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. Construction and Building Materials, 2019, 226, 227-237.	7.2	28
4	Monitoring the structural capacity of airfield pavement with built-in sensors and modulus back-calculation algorithm. Construction and Building Materials, 2018, 175, 552-561.	7.2	22
5	Airport pavement responses obtained from wireless sensing network upon digital signal processing. International Journal of Pavement Engineering, 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. Structural Control and Health Monitoring, 2018, 25, e2057.	4.0	19
7	Toward Asphalt Pavement Health Monitoring With Built-In Sensors: A Novel Application to Real-Time Modulus Evaluation. IEEE Transactions on Intelligent Transportation Systems, 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. Soil Dynamics and Earthquake Engineering, 2021, 147, 106822.	3.8	15
9	Wave propagation approach for dynamic responses of transversely isotropic viscoelastic pavement under impact load. Road Materials and Pavement Design, 2022, 23, 2076-2097.	4.0	8
10	Stiffness identification method for asphalt pavement layers and interfaces using monitoring data from built-in sensors. Structural Health Monitoring, 2023, 22, 151-165.	7.5	7
11	Self-Monitoring of Damage Evolution in Asphalt Concrete Based on Electrical Resistance Change Method. Journal of Testing and Evaluation, 2022, 50, 2698-2717.	0.7	4
12	Fractional Viscoelastic Models for Asphalt Concrete: From Parameter Identification to Pavement Mechanics Analysis. Journal of Engineering Mechanics - ASCE, 2022, 148, .	2.9	3