

Yu Tian

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

165
citations

1307594

7
h-index

1125743

13
g-index

19
all docs

19
docs citations

19
times ranked

100
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Analysis of airfield composite pavement responses using full-scale accelerated pavement testing and finite element method. <i>Construction and Building Materials</i> , 2019, 212, 596-606. | 7.2 | 40 |
| 2 | The Smart Road: Practice and Concept. <i>Engineering</i> , 2018, 4, 436-437. | 6.7 | 21 |
| 3 | Assessment of concrete pavement support conditions using distributed optical vibration sensing fiber and a neural network. <i>Construction and Building Materials</i> , 2019, 216, 214-226. | 7.2 | 20 |
| 4 | Calibrating the Mechanistic-Empirical Pavement Design Guide Rutting Models using Accelerated Pavement Testing. <i>Transportation Research Record</i> , 2018, 2672, 304-314. | 1.9 | 15 |
| 5 | Accelerated Pavement Testing for Rutting Evaluation of Hot-Mix Asphalt Overlay under High Tire Pressure. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2020, 146, 04020009. | 1.5 | 13 |
| 6 | Analysis of airfield composite pavement rutting using full-scale accelerated pavement testing and finite element method. <i>Construction and Building Materials</i> , 2021, 303, 124528. | 7.2 | 11 |
| 7 | Optimization of International Roughness Index Model Parameters for Sustainable Runway. <i>Sustainability</i> , 2021, 13, 2184. | 3.2 | 8 |
| 8 | Performance evaluation of flexible pavements with a lateritic gravel base using accelerated pavement testing. <i>Construction and Building Materials</i> , 2019, 228, 116790. | 7.2 | 6 |
| 9 | Random Vibration Analysis of a Coupled Aircraft/Runway Modeled System for Runway Evaluation. <i>Sustainability</i> , 2022, 14, 2815. | 3.2 | 6 |
| 10 | Application of Biochar on the runoff purification performance of porous asphalt pavement. <i>Transportation Safety and Environment</i> , 2021, 3, . | 2.1 | 6 |
| 11 | Improvement of Boeing Bump Method Considering Aircraft Vibration Superposition Effect. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2147. | 2.5 | 5 |
| 12 | Assessment of aircraft landing gear cumulative stroke to develop a new runway roughness evaluation index. <i>International Journal of Pavement Engineering</i> , 2022, 23, 3609-3620. | 4.4 | 4 |
| 13 | Performance Assessment and Comparison of Two Piezoelectric Energy Harvesters Developed for Pavement Application: Case Study. <i>Sustainability</i> , 2022, 14, 863. | 3.2 | 3 |
| 14 | Spectrum parameters for runway roughness based on statistical and vibration analysis. <i>International Journal of Pavement Engineering</i> , 2022, 23, 3757-3769. | 4.4 | 2 |
| 15 | Anisotropic Resilient Modulus Model of Granular Materials Based on Particle Characteristics. <i>Transportation Research Record</i> , 2021, 2675, 970-984. | 1.9 | 2 |
| 16 | Investigation on mechanical properties and water stability of porous polyurethane concrete. <i>Transportation Safety and Environment</i> , 2021, 3, . | 2.1 | 2 |
| 17 | Simple Empirical Temperature Gradient Prediction Model for Jointed Plain Concrete Pavements: Development and Validation. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2020, 146, 04020030. | 1.5 | 1 |
| 18 | Framework of Bridge Design Method under Multi-Hazard and Its Application to Super-Span Multi-Pylon Cable-Stayed Bridges. <i>IBSE Symposium Report</i> , 2015, , . | 0.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Experimental Investigation of Piezoelectric Energy Harvesters Applied in Concrete Pavement. Transportation Research Record, 0, , 036119812110699. | 1.9 | 0 |