

# Jingnan Zhao

## List of Publications by Year in descending order

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13  
papers

142  
citations

1307366

7  
h-index

1199470

12  
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13  
all docs

13  
docs citations

13  
times ranked

88  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Flexible Pavement Response Analysis under Dynamic Loading at Different Vehicle Speeds and Pavement Surface Roughness Conditions. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2020, 146, 04020040. | 0.8 | 23        |
| 2  | Asphalt pavement modulus backcalculation using surface deflections under moving loads. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2020, 35, 1246-1260.   | 6.3 | 22        |
| 3  | Dynamic Pavement Response Analysis under Moving Truck Loads with Random Amplitudes. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2020, 146, 04020020.  | 0.8 | 17        |
| 4  | Mechanistic-empirical analysis of asphalt pavement fatigue cracking under vehicular dynamic loads. <i>Construction and Building Materials</i> , 2021, 284, 122877.   | 3.2 | 17        |
| 5  | Multi-wheel gear loading effect on load-induced failure potential of airfield flexible pavement. <i>International Journal of Pavement Engineering</i> , 2020, 21, 805-816.   | 2.2 | 11        |
| 6  | DEVELOPMENT OF OVERWEIGHT PERMIT FEE USING MECHANISTIC-EMPIRICAL PAVEMENT DESIGN AND LIFE-CYCLE COST ANALYSIS. <i>Transport</i> , 2016, 31, 156-166.   | 0.6 | 10        |
| 7  | Numerical simulation of dynamic repetitive load test of unbound aggregate using precision unbound material analyzer. <i>Road Materials and Pavement Design</i> , 2020, 21, 1675-1693.                                  | 2.0 | 8         |
| 8  | Dynamic pavement response analysis under wide-base tyre considering vehicle-tyreâ€‘pavement interaction. <i>Road Materials and Pavement Design</i> , 2022, 23, 1650-1666.  | 2.0 | 7         |
| 9  | Impact analysis of traffic loading on pavement performance using support vector regression model. <i>International Journal of Pavement Engineering</i> , 2022, 23, 3716-3728.  | 2.2 | 7         |
| 10 | Mechanistic Modeling and Economic Analysis of Piezoelectric Energy Harvesting Potential in Airport Pavements. <i>Transportation Research Record</i> , 2020, 2674, 64-75.   | 1.0 | 6         |
| 11 | Life-Cycle Cost Analysis of Pay Adjustment for Initial Smoothness of Asphalt Pavement Overlay. <i>Journal of Testing and Evaluation</i> , 2020, 48, 1350-1364.   | 0.4 | 6         |
| 12 | Machine learning analysis of overweight traffic impact on survival life of asphalt pavement. <i>Structure and Infrastructure Engineering</i> , 2023, 19, 606-616.  | 2.0 | 5         |
| 13 | Mechanisticâ€‘Empirical Analysis of Pavement Performance Considering Dynamic Axle Load Spectra Due to Longitudinal Unevenness. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2600.                                 | 1.3 | 3         |