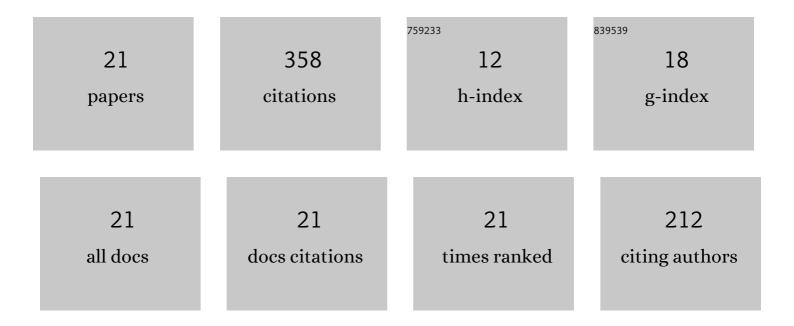
## Maryam Shakiba

List of Publications by Year in descending order

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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Vehicle excess fuel consumption due to pavement deflection. Road Materials and Pavement Design, 2023, 24, 609-630.  | 4.0 | 5         |
| 2  | Micromechanical study of multiple transverse cracking in cross-ply fiber-reinforced composite laminates. Composite Structures, 2022, 281, 114986.   | 5.8 | 9         |
| 3  | Physics and chemistry-based constitutive modeling of photo-oxidative aging in semi-crystalline polymers. International Journal of Solids and Structures, 2022, 239-240, 111427.                                       | 2.7 | 6         |
| 4  | A data-driven approach to full-field nonlinear stress distribution and failure pattern prediction in composites using deep learning. Computer Methods in Applied Mechanics and Engineering, 2022, 397, 115126.        | 6.6 | 28        |
| 5  | Detecting transverse cracks initiation in composite laminates via statistical analysis of sensitivity data. Mechanics Research Communications, 2021, 115, 103701.   | 1.8 | 3         |
| 6  | Micromechanical Study of Porosity Effects on Coupled Moisture-Mechanical Responses of<br>Viscoelastic Asphalt Concrete. Journal of Engineering Mechanics - ASCE, 2021, 147, .   | 2.9 | 5         |
| 7  | Flooded Pavement: Numerical Investigation of Saturation Effects on Asphalt Pavement Structures.<br>Journal of Transportation Engineering Part B: Pavements, 2021, 147, .  | 1.5 | 6         |
| 8  | Overcoming the convergence difficulty of cohesive zone models through a Newton-Raphson modification technique. Engineering Fracture Mechanics, 2020, 233, 107046.   | 4.3 | 11        |
| 9  | Impact of Void Morphology on the Mechanical Response of Time-Dependent Heterogeneous Media: A<br>Numerical Investigation Approach. Journal of Materials in Civil Engineering, 2020, 32, .                             | 2.9 | 3         |
| 10 | Transverse Failure of Unidirectional Composites: Sensitivity to Interfacial Properties. , 2020, , 329-347.  |     | 4         |
| 11 | Transverse failure of carbon fiber composites: Analytical sensitivity to the distribution of<br>fiber/matrix interface properties. International Journal for Numerical Methods in Engineering, 2019,<br>120, 650-665. | 2.8 | 16        |
| 12 | Introducing realistic tire–pavement contact stresses into Pavement Analysis using Nonlinear Damage<br>Approach (PANDA). International Journal of Pavement Engineering, 2017, 18, 1027-1038.                           | 4.4 | 25        |
| 13 | Effect of Pore Water Pressure on Response of Asphalt Concrete. Transportation Research Record, 2017, 2631, 114-122.   | 1.9 | 17        |
| 14 | Mechanics based model for predicting structure-induced rolling resistance (SRR) of the tire-pavement system. Mechanics of Time-Dependent Materials, 2016, 20, 579-600.  | 4.4 | 24        |
| 15 | A thermodynamic framework for constitutive modeling of coupled moisture-mechanical induced damage in partially saturated viscous porous media. Mechanics of Materials, 2016, 96, 53-75.                               | 3.2 | 15        |
| 16 | Three-dimensional microstructural modelling of coupled moisture–mechanical response of asphalt<br>concrete. International Journal of Pavement Engineering, 2015, 16, 445-466.   | 4.4 | 19        |
| 17 | Constitutive Modeling of the Coupled Moisture-Mechanical Response of Particulate Composite<br>Materials with Application to Asphalt Concrete. Journal of Engineering Mechanics - ASCE, 2015, 141, .                   | 2.9 | 13        |
| 18 | Microstructural modeling of asphalt concrete using a coupled moisture–mechanical constitutive relationship. International Journal of Solids and Structures, 2014, 51, 4260-4279.                                      | 2.7 | 33        |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Continuum Coupled Moisture–Mechanical Damage Model for Asphalt Concrete. Transportation<br>Research Record, 2013, 2372, 72-82. | 1.9 | 25        |
| 20 | Postbuckling and ultimate state of stresses in steel plate girders. Thin-Walled Structures, 2011, 49, 455-464.                 | 5.3 | 27        |
| 21 | Shear failure characteristics of steel plate girders. Thin-Walled Structures, 2009, 47, 1498-1506.                             | 5.3 | 64        |