

# Qian Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

540  
citations

623188

14  
h-index

642321

23  
g-index

31  
all docs

31  
docs citations

31  
times ranked

172  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Durability evaluation of mechanical and bonding properties of polyurethane-modified waterborne epoxy resin for road. <i>International Journal of Pavement Engineering</i> , 2023, 24, .   | 2.2 | 5         |
| 2  | Effect of raw material composition on the working performance of waterborne epoxy resin for road. <i>International Journal of Pavement Engineering</i> , 2022, 23, 2380-2391.   | 2.2 | 33        |
| 3  | Basic performance and asphalt smoke absorption effect of environment-friendly asphalt to improve pavement construction environment. <i>Journal of Cleaner Production</i> , 2022, 333, 130142.   | 4.6 | 42        |
| 4  | Study on Aerodynamic Nonlinear Characteristics of Semiclosed Box Deck Based on Variation of Motion Parameters. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-15.   | 0.4 | 1         |
| 5  | Road Performance Comprehensive Evaluation of Polymer Modified Emulsified Asphalt Fiber Microsurfacing. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-11.   | 1.0 | 5         |
| 6  | Overview: Application of Resin Waterproof Adhesive Materials in Bridge Deck Pavement in China. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-15.   | 0.4 | 3         |
| 7  | Classification of Performance Grades of High Modulus Asphalt and Its Mixture: Taking China as an Example. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-13.  | 1.0 | 1         |
| 8  | Road Performance and Ice-Melting Characteristics of Steel Wool Asphalt Mixture. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-13.  | 0.4 | 0         |
| 9  | Effect Investigation of Ultraviolet Ageing on the Rheological Properties, Micro-Structure, and Chemical Composition of Asphalt Binder Modified by Modifying Polymer. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-19. | 1.0 | 5         |
| 10 | Effects of UV Aging on Physical Properties and Physicochemical Properties of ASA Polymer-Modified Asphalt. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-12.   | 1.0 | 4         |
| 11 | Design Optimization and Performance Evaluation of the Open-Graded Friction Course with Small Particle Size Aggregate. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-11.  | 0.4 | 15        |
| 12 | Modified Waterborne Epoxy as a Cold Pavement Binder: Preparation and Long-Term Working Properties. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .   | 1.3 | 30        |
| 13 | Dynamic Modulus Prediction of a High-Modulus Asphalt Mixture. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-10.  | 0.4 | 0         |
| 14 | Road Performance and Emission Reduction Effect of Graphene/Tourmaline-Composite-Modified Asphalt. <i>Sustainability</i> , 2021, 13, 8932.   | 1.6 | 8         |
| 15 | Preparation and adsorption properties of nano-graphene oxide/tourmaline composites. <i>Nanotechnology Reviews</i> , 2021, 10, 1812-1826.  | 2.6 | 8         |
| 16 | Graphene/tourmaline composites as a filler of hot mix asphalt mixture: Preparation and properties. <i>Construction and Building Materials</i> , 2020, 239, 117859.  | 3.2 | 48        |
| 17 | Environmental effects and enhancement mechanism of graphene/tourmaline composites. <i>Journal of Cleaner Production</i> , 2020, 262, 121313.  | 4.6 | 73        |
| 18 | Rheological properties and viscosity reduction mechanism of SBS warm-mix modified asphalt. <i>Petroleum Science and Technology</i> , 2020, 38, 556-564.   | 0.7 | 4         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Prediction of Low-Temperature Rheological Properties of SBS Modified Asphalt. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-8.                                     | 0.4 | 3         |
| 20 | Road performance of tourmaline/rubber powder modified asphalt mixture. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 304, 052129.                 | 0.2 | 0         |
| 21 | Evaluation and prediction for effect of conductive gussasphalt mixture on corrosion of steel bridge deck. <i>Construction and Building Materials</i> , 2019, 228, 116837. | 3.2 | 16        |
| 22 | Preparation and improved negative ion release of graphene/tourmaline composite. <i>Materials Research Express</i> , 2019, 6, 055507.                                      | 0.8 | 16        |
| 23 | Preparation and Performance of Road Micro-surfacing Materials with Exhaust Purification Function. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 2877-2888.         | 0.9 | 9         |
| 24 | Rheological properties of graphene/tourmaline composite modified asphalt. <i>Petroleum Science and Technology</i> , 2019, 37, 2190-2198.                                  | 0.7 | 15        |
| 25 | High-performance organosilicon refractory bauxite: Coating and fundamental properties. <i>Construction and Building Materials</i> , 2019, 207, 563-571.                   | 3.2 | 12        |
| 26 | Performance evaluation of tourmaline modified asphalt mixture based on grey target decision method. <i>Construction and Building Materials</i> , 2019, 205, 137-147.      | 3.2 | 34        |
| 27 | Heat conduction effect of steel bridge deck with conductive gussasphalt concrete pavement. <i>Construction and Building Materials</i> , 2018, 172, 422-432.               | 3.2 | 18        |
| 28 | Investigation of enhancing effect and mechanism of basalt fiber on toughness of asphalt material. <i>Petroleum Science and Technology</i> , 2018, 36, 1710-1717.          | 0.7 | 26        |
| 29 | Durability evaluation of road cooling coating. <i>Construction and Building Materials</i> , 2018, 190, 13-23.   | 3.2 | 39        |
| 30 | Comprehensive performance evaluation of low-carbon modified asphalt based on efficacy coefficient method. <i>Journal of Cleaner Production</i> , 2018, 203, 633-644.      | 4.6 | 60        |
| 31 | A Quantitative Rating System for Pollutant Emission Reduction of Asphalt Mixture. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-15.                         | 0.6 | 7         |