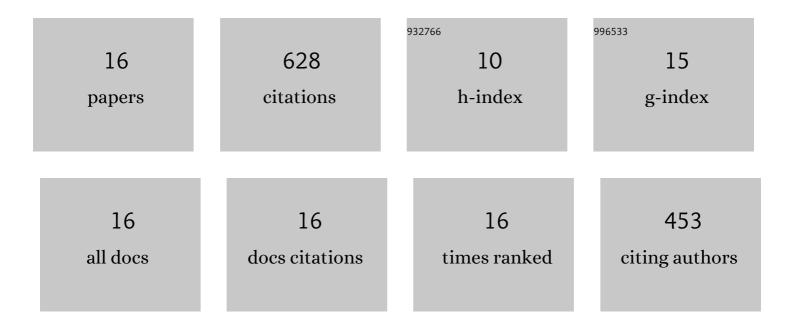
Jean-Pascal Planche

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Infrared microscopy investigation of oxidation and phase evolution in bitumen modified with polymers. Fuel, 2008, 87, 1270-1280. | 3.4 | 175 |
| 2 | Laboratory investigation of bitumen based on round robin DSC and AFM tests. Materials and Structures/Materiaux Et Constructions, 2014, 47, 1205-1220. | 1.3 | 143 |
| 3 | Low-Temperature Thermal Cracking of Asphalt Binders as Ranked by Strength and Fracture Properties. Transportation Research Record, 2001, 1766, 1-6. | 1.0 | 75 |
| 4 | A13C NMR and DSC Study of the Amorphous and Crystalline Phases in Asphalts. Energy & Fuels, 1999, 13, 602-610. | 2.5 | 59 |
| 5 | Universal and practical approach to evaluate asphalt binder resistance to thermally-induced surface damage. Construction and Building Materials, 2020, 255, 119331. | 3.2 | 33 |
| 6 | Effect of Using Rejuvenators on the Chemical, Thermal, and Rheological Properties of Asphalt Binders. Energy & Fuels, 2020, 34, 2152-2159. | 2.5 | 32 |
| 7 | Diagnostic Techniques for Various Asphalt Refining and Modification Methods. Energy & Fuels, 2019, 33, 2680-2698. | 2.5 | 30 |
| 8 | Determination of Binder Glass Transition and Crossover Temperatures using 4-mm Plates on a Dynamic Shear Rheometer. Transportation Research Record, 2019, 2673, 247-260. | 1.0 | 23 |
| 9 | Impact of the asphalt binder rheological behavior on the value of the ΔTc parameter. Construction and Building Materials, 2021, 293, 123464. | 3.2 | 20 |
| 10 | Challenges While Performing AFM on Bitumen. RILEM Bookseries, 2013, , 89-98. | 0.2 | 14 |
| 11 | Performance Evaluation of Asphalt Mixtures Modified with Recycled Polyethylene via the Wet Process. Transportation Research Record, 2021, 2675, 491-502. | 1.0 | 11 |
| 12 | Differential Scanning Calorimetry Applied to Bitumen: Results of the RILEM NBM TG1 Round Robin Test. RILEM Bookseries, 2013, , 311-323. | 0.2 | 6 |
| 13 | Proposed Changes to Asphalt Binder Specifications to Address Binder Quality-Related Thermally Induced Surface Damage. Transportation Research Record, 2022, 2676, 176-191. | 1.0 | 4 |
| 14 | Chemo-mechanical Characterization of Bitumen Binders with the Same Continuous PG–Grade. RILEM Bookseries, 2019, , 77-83. | 0.2 | 2 |
| 15 | 55th Petersen Asphalt Research Conference. Energy & Fuels, 2019, 33, 2603-2603. | 2.5 | 1 |
| 16 | Sensitivity Analysis for Rheological Determination of Glass Transition and Crossover Temperatures at Various Reference Frequencies. RILEM Bookseries, 2022, , 1657-1663. | 0.2 | 0 |