

# Jean-Pascal Planche

## List of Publications by Year in descending order

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16  
papers

628  
citations

932766

10  
h-index

996533

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

453  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity Analysis for Rheological Determination of Glass Transition and Crossover Temperatures at Various Reference Frequencies. RILEM Bookseries, 2022, , 1657-1663.	0.2	0
2	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
3	Impact of the asphalt binder rheological behavior on the value of the $\hat{\nu}^*T_c$ parameter. Construction and Building Materials, 2021, 293, 123464.	3.2	20
4	Performance Evaluation of Asphalt Mixtures Modified with Recycled Polyethylene via the Wet Process. Transportation Research Record, 2021, 2675, 491-502.	1.0	11
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	55th Petersen Asphalt Research Conference. Energy & Fuels, 2019, 33, 2603-2603.	2.5	1
10	Chemo-mechanical Characterization of Bitumen Binders with the Same Continuous PG Grade. RILEM Bookseries, 2019, , 77-83.	0.2	2
11	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
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	Challenges While Performing AFM on Bitumen. RILEM Bookseries, 2013, , 89-98.	0.2	14
14	Infrared microscopy investigation of oxidation and phase evolution in bitumen modified with polymers. Fuel, 2008, 87, 1270-1280.	3.4	175
15	Low-Temperature Thermal Cracking of Asphalt Binders as Ranked by Strength and Fracture Properties. Transportation Research Record, 2001, 1766, 1-6.	1.0	75
16	A13C NMR and DSC Study of the Amorphous and Crystalline Phases in Asphalts. Energy & Fuels, 1999, 13, 602-610.	2.5	59