

Jean-Pascal Planche

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2444623/publications.pdf>

Version: 2024-02-01

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