

Simon Am Hesp

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

477
citations

759233

12
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

224
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray fluorescence detection of waste engine oil residue in asphalt and its effect on cracking in service. <i>International Journal of Pavement Engineering</i> , 2010, 11, 541-553.	4.4	88
2	Asphalt pavement cracking: analysis of extraordinary life cycle variability in eastern and northeastern Ontario. <i>International Journal of Pavement Engineering</i> , 2009, 10, 209-227.	4.4	79
3	Quantification of crystalline wax in asphalt binders using variable-temperature Fourier-transform infrared spectroscopy. <i>Fuel</i> , 2020, 277, 118220.	6.4	46
4	Preliminary experience with improved asphalt cement specifications in the City of Kingston, Ontario, Canada. <i>Construction and Building Materials</i> , 2017, 157, 467-475.	7.2	43
5	Time-temperature superposition in rheology and ductile failure of asphalt binders. <i>International Journal of Pavement Engineering</i> , 2009, 10, 229-240.	4.4	31
6	Effect of warm mix additives and dispersants on asphalt rheological, aging, and failure properties. <i>Construction and Building Materials</i> , 2012, 37, 493-498.	7.2	27
7	Performance grading of extracted and recovered asphalt cements. <i>Construction and Building Materials</i> , 2018, 187, 996-1003.	7.2	25
8	Variable-temperature Fourier-transform infrared spectroscopy study of wax precipitation and melting in Canadian and Venezuelan asphalt binders. <i>Construction and Building Materials</i> , 2020, 264, 120212.	7.2	24
9	Time-temperature Superposition and AASHTO MP1a Critical Temperature for Low-temperature Cracking. <i>International Journal of Pavement Engineering</i> , 2004, 5, 31-38.	4.4	23
10	Modulated differential scanning calorimetry study of wax-doped asphalt binders. <i>Thermochimica Acta</i> , 2021, 699, 178894.	2.7	23
11	Effective control of flexible asphalt pavement cracking through quality assurance testing of extracted and recovered binders. <i>Construction and Building Materials</i> , 2021, 273, 121769.	7.2	21
12	Wax in Asphalt: A comprehensive literature review. <i>Construction and Building Materials</i> , 2022, 342, 128011.	7.2	20
13	Pavement performance compared with asphalt properties for five contracts in Ontario. <i>Construction and Building Materials</i> , 2018, 171, 719-725.	7.2	11
14	Comparison between thermal, rheological and failure properties for the performance grading of asphalt cements. <i>Construction and Building Materials</i> , 2019, 220, 196-205.	7.2	8
15	Repeatability, reproducibility, and sensitivity assessments of thermal and fatigue cracking acceptance criteria for asphalt cement. <i>Construction and Building Materials</i> , 2020, 243, 117956.	7.2	8