Low-temperature properties of plant-produced RAP mixtures in the Northeast

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#	Paper	IF	Citations
31	Analysis and modeling of 3D complex modulus tests on hot and warm bituminous mixtures. *Mechanics of Time-Dependent Materials*, **2015**, 19, 167-186	1.2	14
30	Characterization of asphalt concrete linear viscoelastic behavior utilizing Havriliak Negami complex modulus model. *Construction and Building Materials*, **2015**, 99, 226-234	6.7	33
29	A comprehensive evaluation of the fatigue behaviour of plant-produced RAP mixtures. *Road Materials and Pavement Design*, **2015**, 16, 29-54	2.6	29
28	A study of the influence of the microstructure of one type of bitumen grade on the performance as a binder. *Construction and Building Materials*, **2016**, 117, 1-7	6.7	5
27	A viscoelastic-based model for predicting the strength of asphalt concrete in direct tension. *Construction and Building Materials*, **2016**, 122, 721-727	6.7	17
26	Investigating molecular interactions and surface morphology of wax-doped asphaltenes. *Physical Chemistry Chemical Physics*, **2016**, 18, 8840-54	3.6	47
25	Atomic force microscopy to investigate asphalt binders: a state-of-the-art review. *Road Materials and Pavement Design*, **2016**, 17, 693-718	2.6	55
24	Performance characteristics of high reclaimed asphalt pavement containing bio-modifier. *Road Materials and Pavement Design*, **2016**, 17, 753-767	2.6	22
23	A mixture-based Black Space parameter for low-temperature performance of hot mix asphalt. *Road Materials and Pavement Design*, **2017**, 18, 404-425	2.6	26
22	Mechanistic performance evaluation of pavement sections containing RAP and WMA additives in Manitoba. *Construction and Building Materials*, **2017**, 133, 39-50	6.7	18
21	Micromorphology and Rheology of Warm Binders Depending on Aging. *Journal of Materials in Civil Engineering*, **2017**, 29, 04017226	3	14
20	Analysis of the Relationships between Waste Cooking Oil Qualities and Rejuvenated Asphalt Properties. *Materials*, **2017**, 10,	3.5	47
19	Strategies for Producing Asphalt Mixtures with High RAP Content. *Journal of Materials in Civil Engineering*, **2019**, 31, 05019002	3	8
18	Diagnostic Techniques for Various Asphalt Refining and Modification Methods. *Energy & Fuels*, **2019**, 33, 2680-2698	4.1	19
17	Determination of Binder Glass Transition and Crossover Temperatures using 4-mm Plates on a Dynamic Shear Rheometer. *Transportation Research Record*, **2019**, 2673, 247-260	1.7	17
16	A Synthesis of Computational and Experimental Approaches of Evaluating Chemical, Physical, and Mechanistic Properties of Asphalt Binders. *Advances in Civil Engineering*, **2019**, 2019, 1-20	1.3	3
15	Aging effects of ultraviolet lights with same dominant wavelength and different wavelength ranges on a hydrocarbon-based polymer (asphalt). *Polymer Testing*, **2019**, 75, 64-75	4.5	27

14	Performance grades, environmental and economic investigations of reclaimed asphalt pavement materials. *Journal of Cleaner Production*, **2019**, 211, 1299-1312	10.3	43
13	Fatigue and Thermal Cracking of Hot and Warm Bituminous Mixtures with Different RAP Contents. *Sustainability*, **2020**, 12, 9812	3.6	2
12	Universal and practical approach to evaluate asphalt binder resistance to thermally-induced surface damage. *Construction and Building Materials*, **2020**, 255, 119331	6.7	15
11	Laboratory Evaluation on Performance of Fiber-Modified Asphalt Mixtures Containing High Percentage of RAP. *Advances in Civil Engineering*, **2020**, 2020, 1-9	1.3	
10	Effect of Using Rejuvenators on the Chemical, Thermal, and Rheological Properties of Asphalt Binders. *Energy & Fuels*, **2020**, 34, 2152-2159	4.1	16
9	Relationship between microstructure and phase morphology of SBS modified bitumen with processing parameters studied using atomic force microscopy. *Construction and Building Materials*, **2021**, 268, 121061	6.7	10
8	Chemical, Morphological, and Fundamental Properties of Rejuvenated Asphalt Binders. *Journal of Materials in Civil Engineering*, **2021**, 33, 04020461	3	4
7	Extended aging performance of high RAP mixtures and the role of softening oils. *International Journal of Pavement Engineering*, 1-12	2.6	0
6	Aging characteristics of crumb rubber modified asphalt binder and mixture with regenerating agent. *Construction and Building Materials*, **2021**, 299, 124299	6.7	1
5	Developing an Indicator for Fatigue Cracking in Hot Mix Asphalt Pavements Using Viscoelastic Continuum Damage Principles. *RILEM Bookseries*, **2016**, 381-387	0.5	1
4	Investigation on the effect of high amount of Re-recycled RAP with Warm mix asphalt (WMA) technology. *Construction and Building Materials*, **2021**, 312, 125395	6.7	2
3	Optimizing Regenerant Content of Aged SBS Modified Asphalt Binder Based on High- and Low-Temperature Performance. *Journal of Materials in Civil Engineering*, **2022**, 34,	3	0
2	Evaluation of the Low-Temperature Cracking Performance of Recycled Asphalt Mixture: A Development of Equivalent Fracture Temperature. **2022**, 12, 1366		2
1	Effect of Binder Chemistry and Related Properties on the Low-Temperature Performance Parameters of Asphalt Binders. 036119812311551		0