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Influence of Hydrogreen Bioasphalt on Viscoelastic Properties of Reclaimed Asphalt Mixtures

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#	Paper	IF	Citations
57	Impacts of rejuvenators on performance and engineering properties of asphalt mixtures containing recycled materials. <i>Construction and Building Materials</i> , 2014 , 53, 596-603	6.7	76
56	Influence of six rejuvenators on the performance properties of Reclaimed Asphalt Pavement (RAP) binder and 100% recycled asphalt mixtures. <i>Construction and Building Materials</i> , 2014 , 71, 538-550	6.7	241
55	Guayule Plant Extracts as Recycling Agents in Hot Mix Asphalt with High Reclaimed Binder Content. <i>Journal of Materials in Civil Engineering</i> , 2015 , 27, 04014269	3	9
54	Development of new mix design method for asphalt mixtures containing RAP and rejuvenators. <i>Construction and Building Materials</i> , 2016 , 115, 727-734	6.7	53
53	The Effect of Rejuvenators on RAP Mixtures: A Study Based on Multiple Scale Laboratory Test Results. 2016 ,		4
52	Evaluation of asphalt binder containing castor oil-based bioasphalt using conventional tests. <i>Construction and Building Materials</i> , 2016 , 126, 537-543	6.7	36
51	Effect of Rejuvenators on Rheological, Chemical, and Aging Properties of Asphalt Binders Containing Recycled Binders. <i>Transportation Research Record</i> , 2016 , 2574, 74-82	1.7	15
50	Methods for Analyzing the Chemical Mechanisms of Bitumen Aging and Rejuvenation with FTIR Spectrometry. <i>RILEM Bookseries</i> , 2016 , 203-214	0.5	9
49	Preliminary examination of soybean oil derived material as a potential rejuvenator through Superpave criteria and asphalt bitumen rheology. <i>Construction and Building Materials</i> , 2017 , 149, 826-836	6.7	72
48	High temperature performance of SBS modified bio-asphalt. <i>Construction and Building Materials</i> , 2017 , 144, 99-105	6.7	74
47	Characterising the long-term rejuvenating effectiveness of recycling agents on asphalt blends and mixtures with high RAP and RAS contents. <i>Road Materials and Pavement Design</i> , 2017 , 18, 273-292	2.6	46
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42	A new viscoelastic method of calculation of low-temperature thermal stresses in asphalt layers of pavements. <i>International Journal of Pavement Engineering</i> , 2018 , 19, 24-36	2.6	17
41	Physical and chemical characterization of rejuvenated reclaimed asphalt pavement (RAP) binders using rheology testing and pyrolysis gas chromatography-mass spectrometry. <i>Materials and Structures/Materiaux Et Constructions</i> , 2018 , 51, 1	3.4	25

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38	Influence of rejuvenators on bitumen ageing in hot recycled asphalt mixtures. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2018 , 5, 157-168	3.9	43
37	Effect of Softening Additives on the Moisture Susceptibility of Recycled Bituminous Materials Using Chemical-Mechanical-Imaging Methods. <i>Journal of Materials in Civil Engineering</i> , 2018 , 30, 04018207	2.7	22
36	A Comparative Study between the Effectiveness of a Softer Grade Binder and a Rejuvenating Agent in Hot Mix Asphalt with Reclaimed Asphalt Pavement. 2019 ,		
35	Multiscale Evaluation of Moisture Susceptibility of Biomodified Bitumen.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 5779-5789	4.1	25
34	Using Thermal Analytical Techniques To Study Rejuvenators and Rejuvenated Reclaimed Asphalt Pavement Binders. <i>Energy & Fuels</i> , 2019 , 33, 2651-2658	4.1	8
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19	Chemical and Performance Characteristics of Rejuvenated Bituminous Materials with High Reclaimed Asphalt Content. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04020434	3	2
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14	Multi-scale study of bio-binder mixtures as surface layer: Laboratory evaluation and field application and monitoring. <i>Construction and Building Materials</i> , 2021 , 287, 122982	6.7	4
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9	Towards more durable recycled bituminous composites. <i>Construction and Building Materials</i> , 2022 , 318, 126177	6.7	
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