Meor Othman Hamzah

List of Publications by Year
in descending order

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66 papers	1,730 citations	304743 22 h-index	289244 40 g-index
67 all docs	67 docs citations	67 times ranked	1135 citing authors

#	Article	IF	Citations
1	Validation of a model to predict the effect of short-term aging on the rheological properties of asphalt binders. Construction and Building Materials, 2021, 278, 122381.	7.2	2
2	Development of a Matrix Analysis Methodology for Characterization of Short-Term Aging in Asphalt Binders Modified by Synthetic Wax. Sustainability, 2021, 13, 5784.	3.2	0
3	A Review on Utilization of Electronic Waste Plastics for Use Within Asphaltic Concrete Materials: Development, Opportunities and Challenges for Successful Implementation. , 2020, , 737-749.		2
4	Effects of Short-Term Aging on the Compactibility and Volumetric Properties of Asphalt Mixtures Using the Response Surface Method. Sustainability, 2020, 12, 6181.	3.2	11
5	Microscopic analysis and mechanical properties of Recycled Paper Mill Sludge modified asphalt mixture using granite and limestone aggregates. Construction and Building Materials, 2020, 243, 118172.	7.2	13
6	Recycled Materials and Warm Mix Asphalt Technology: A Green Approach in Pavement Modification. , 2020, , 195-218.		1
7	Effects of Moisture and Aging on Asphalt Binder Adhesion Failure Using Pull-Off Tension Test. Lecture Notes in Civil Engineering, 2020, , 275-284.	0.4	2
8	Evaluation of moisture susceptibility of asphalt-aggregate constituents subjected to direct tensile test using imaging technique. Construction and Building Materials, 2019, 227, 116642.	7.2	9
9	Characterization of effects of reclaimed asphalt pavement (RAP) source and content on dynamic modulus of hot mix asphalt concrete. Construction and Building Materials, 2019, 217, 487-497.	7.2	20
10	Asphalt mixture workability and effects of long-term conditioning methods on moisture damage susceptibility and performance of warm mix asphalt. Construction and Building Materials, 2019, 207, 316-328.	7.2	26
11	Review of sustainability, pretreatment, and engineering considerations of asphalt modifiers from the industrial solid wastes. Journal of Traffic and Transportation Engineering (English Edition), 2019, 6, 209-244.	4.2	25
12	Evaluating the Surface Free Energy and Moisture Sensitivity of Warm Mix Asphalt Binders Using Dynamic Contact Angle. Advances in Civil Engineering, 2019, 2019, 1-15.	0.7	15
13	Introducing New Indicators to Evaluate Fracture Properties of Asphalt Mixtures Using Semicircular Bending Test. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2019, 43, 541-549.	1.9	8
14	Estimating correlations between rheological characteristics, engineering properties, and CO 2 emissions of warm-mix asphalt. Journal of Cleaner Production, 2018, 189, 635-646.	9.3	20
15	An alternative protocol to artificially simulate short-term ageing of binders for selected regional condition. Construction and Building Materials, 2018, 161, 654-664.	7.2	4
16	Determination of optimal mix from the standpoint of short term aging based on asphalt mixture fracture properties using response surface method. Construction and Building Materials, 2018, 179, 35-48.	7.2	29
17	Effects of a surfactant-wax based warm additive on high temperature rheological properties of asphalt binders. Construction and Building Materials, 2018, 183, 395-407.	7.2	10
18	Effect of a Poly-olefin Based Additive on Bitumen and Asphalt Mix Performance. Advances in Civil Engineering Materials, 2018, 7, 20170087.	0.6	0

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19	Estimation of optimum binder content of recycled asphalt incorporating a wax warm additive using response surface method. International Journal of Pavement Engineering, 2017, 18, 682-692.	4.4	23
20	A quick approach for rheological evaluation of warm asphalt binders using response surface method. Journal of Civil Engineering and Management, 2017, 23, 475-486.	3.5	2
21	Optimization in producing warm mix asphalt with polymer modified binder and surfactant-wax additive. Construction and Building Materials, 2017, 141, 578-588.	7.2	15
22	Use of imaging technique and direct tensile test to evaluate moisture damage properties of warm mix asphalt using response surface method. Construction and Building Materials, 2017, 132, 323-334.	7.2	33
23	Effects of compaction delay on the performance of porous asphalt mixture compacted at different thicknesses. AIP Conference Proceedings, 2017, , .	0.4	1
24	Performance characterizations of asphalt binders and mixtures incorporating silane additive ZycoTherm. AIP Conference Proceedings, 2017, , .	0.4	7
25	Analyzing the stripping potential of warm mix asphalt using imaging technique. IOP Conference Series: Materials Science and Engineering, 2017, 236, 012013.	0.6	4
26	Effects of Mixture Aging on the Performance of Gap Graded Asphalt Mix Experimented on the Malaysian North-South Expressway. DEStech Transactions on Engineering and Technology Research, 2017, , .	0.0	0
27	Effects of RH-WMA additive on rheological properties of high amount reclaimed asphalt binders. Construction and Building Materials, 2016, 114, 665-672.	7.2	28
28	Disruption of air voids continuity based on permeability loss due to mortar creep. Construction and Building Materials, 2016, 116, 347-354.	7.2	7
29	Evaluation of sustainable technologies that upgrade the binder performance grade in asphalt pavement construction. Materials and Design, 2016, 95, 9-20.	7.0	31
30	Surface free energy and moisture susceptibility evaluation of asphalt binders modified with surfactant-based chemical additive. Journal of Cleaner Production, 2016, 112, 2342-2353.	9.3	112
31	A simple treatment of electronic-waste plastics to produce asphalt binder additives with improved properties. Construction and Building Materials, 2016, 110, 79-88.	7.2	57
32	A Proposal to Characterize the Angular Speed and Acceleration of the Torsional Recovery of a Polymer-Modified Asphalt Binder Incorporating Synthetic Wax. Journal of Testing and Evaluation, 2016, 44, 1683-1697.	0.7	1
33	Effects of extended short-term aging duration on asphalt binder behaviour at high temperatures. Baltic Journal of Road and Bridge Engineering, 2016, 11, 302-312.	0.8	11
34	Proposed Japanese Mix Design Methodology for Porous Asphalt Using Modified Binder. , 2016, , .		1
35	Effects of Wax Additive on the Rheological Properties of Asphalt Binder. Applied Mechanics and Materials, 2015, 802, 327-332.	0.2	1
36	Effects of ageing on pavement air voids during mixture transportation from plant to field. Materials Research Innovations, 2015, 19, S5-592-S5-595.	2.3	3

#	Article	IF	Citations
37	Evaluation of Effects of Extended Short-Term Aging on the Rheological Properties of Asphalt Binders at Intermediate Temperatures Using Respond Surface Method. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.4	12
38	EFFECTS OF SHORT TERM AGING ON DYNAMIC CREEP PROPERTIES OF ASPHALT MIXTURES. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	3
39	An Overview of Moisture Damage in Asphalt Mixtures. Jurnal Teknologi (Sciences and Engineering), 2015, 73, .	0.4	17
40	A review on moisture damages of hot and warm mix asphalt and related investigations. Journal of Cleaner Production, 2015, 99, 39-58.	9.3	178
41	Impact of Ageing and the Stability of Adhesion Additive on Moisture Susceptibility and Adhesion. Applied Mechanics and Materials, 2015, 802, 309-314.	0.2	0
42	Analysis of structural performance and sustainability of airport concrete pavements incorporating blast furnace slag. Journal of Cleaner Production, 2015, 90, 195-210.	9.3	35
43	Evaluation of Rediset for use in warm-mix asphalt: a review of the literatures. International Journal of Pavement Engineering, 2015, 16, 809-831.	4.4	39
44	Evaluation of the Rheological Properties and Activation Energy of Virgin and Recovered Asphalt Binder Blends. Journal of Materials in Civil Engineering, 2015, 27, .	2.9	33
45	Selection of type of warm mix asphalt additive based on the rheological properties of asphalt binders. Journal of Cleaner Production, 2015, 100, 89-106.	9.3	53
46	Evaluation of the impact of extended aging duration on visco-elastic properties of asphalt binders. Archives of Civil and Mechanical Engineering, 2015, 15, 1118-1128.	3.8	11
47	Rheological Evaluation of High Reclaimed Asphalt Content Modified with Warm Mix Additive. , 2015, , 1187-1198.		0
48	Characterization of the rate of change of rheological properties of nano-modified asphalt. Construction and Building Materials, 2015, 98, 437-446.	7.2	53
49	Effect of Aggregate Shape on the Properties of Asphaltic Concrete AC14. Jurnal Teknologi (Sciences) Tj ETQq1 1 0.784314 rgBT /Over	0.4	3
50	Quantification of moisture sensitivity of warm mix asphalt using image analysis technique. Journal of Cleaner Production, 2014, 68, 200-208.	9.3	57
51	Determination of the optimum binder content of warm mix asphalt incorporating Rediset using response surface method. Construction and Building Materials, 2013, 47, 1328-1336.	7.2	73
52	The effects of break point location and nominal maximum aggregate size on porous asphalt properties. Construction and Building Materials, 2013, 44, 360-367.	7.2	11
53	Laboratory simulation of the clogging behaviour of single-layer and two-layer porous asphalt. Road Materials and Pavement Design, 2013, 14, 107-125.	4.0	37
54	Performance of Warm Mix Asphalt containing SasobitÂ®: State-of-the-art. Construction and Building Materials, 2013, 38, 530-553.	7.2	276

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55	Properties of Porous Asphalt Mixture Made with Styrene Butadiene Styrene under Long Term Oven Ageing. Advanced Materials Research, 2012, 486, 378-383.	0.3	16
56	Parameters to characterise the effects of Sasobit^{Â®}content on the rheological properties of unaged and aged asphalt binders. Road Materials and Pavement Design, 2012, 13, 368-375.	4.0	21
57	Effects of SasobitÂ® content on the rheological characteristics of unaged and aged asphalt binders at high and intermediate temperatures. Materials Research, 2012, 15, 628-638.	1.3	45
58	The effects of initial conditioning and ambient temperatures on abrasion loss and temperature change of porous asphalt. Construction and Building Materials, 2012, 29, 108-113.	7.2	14
59	Permeability loss in porous asphalt due to binder creep. Construction and Building Materials, 2012, 30, 10-15.	7.2	46
60	Selection of reclaimed asphalt pavement sources and contents for asphalt mix production based on asphalt binder rheological properties, fuel requirements and greenhouse gas emissions. Journal of Cleaner Production, 2012, 23, 20-27.	9.3	59
61	Laboratory Assessment of Water Flow Simulator for Porous Parking Lots Reservoir and Soil Layers. Journal of Applied Sciences, 2011, 11, 3464-3473.	0.3	0
62	Evaluation of the potential of SasobitÂ® to reduce required heat energy and CO2 emission in the asphalt industry. Journal of Cleaner Production, 2010, 18, 1859-1865.	9.3	89
63	Effects of Temperature and Binder Type on the Dynamic Creep of Asphaltic Concrete. Modern Applied Science, 2009, 3, .	0.6	11
64	Effects of Calcium Carbonate and Treated Palm Oil Fly Ash on the Rheological Properties of Asphalt Mastic. Applied Mechanics and Materials, 0, 802, 321-326.	0.2	0
65	The Alternative Trip Generation Model for Flat/Apartment/Condominium and Low Cost Housing Subcategories. Applied Mechanics and Materials, 0, 802, 369-374.	0.2	1
66	A two level factorial experimental design for evaluation of viscoelastic properties of bitumens containing a surfactant warm additive. , 0, , .		2