

Meor Othman Hamzah

List of Publications by Year in descending order

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66
papers

1,730
citations

304368

22
h-index

288905

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. <i>Construction and Building Materials</i> , 2021, 278, 122381.	3.2	2
2	Development of a Matrix Analysis Methodology for Characterization of Short-Term Aging in Asphalt Binders Modified by Synthetic Wax. <i>Sustainability</i> , 2021, 13, 5784.	1.6	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. <i>Sustainability</i> , 2020, 12, 6181.	1.6	11
5	Microscopic analysis and mechanical properties of Recycled Paper Mill Sludge modified asphalt mixture using granite and limestone aggregates. <i>Construction and Building Materials</i> , 2020, 243, 118172.	3.2	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. <i>Lecture Notes in Civil Engineering</i> , 2020, , 275-284.	0.3	2
8	Evaluation of moisture susceptibility of asphalt-aggregate constituents subjected to direct tensile test using imaging technique. <i>Construction and Building Materials</i> , 2019, 227, 116642.	3.2	9
9	Characterization of effects of reclaimed asphalt pavement (RAP) source and content on dynamic modulus of hot mix asphalt concrete. <i>Construction and Building Materials</i> , 2019, 217, 487-497.	3.2	20
10	Asphalt mixture workability and effects of long-term conditioning methods on moisture damage susceptibility and performance of warm mix asphalt. <i>Construction and Building Materials</i> , 2019, 207, 316-328.	3.2	26
11	Review of sustainability, pretreatment, and engineering considerations of asphalt modifiers from the industrial solid wastes. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2019, 6, 209-244.	2.0	25
12	Evaluating the Surface Free Energy and Moisture Sensitivity of Warm Mix Asphalt Binders Using Dynamic Contact Angle. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-15.	0.4	15
13	Introducing New Indicators to Evaluate Fracture Properties of Asphalt Mixtures Using Semicircular Bending Test. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2019, 43, 541-549.	1.0	8
14	Estimating correlations between rheological characteristics, engineering properties, and CO ₂ emissions of warm-mix asphalt. <i>Journal of Cleaner Production</i> , 2018, 189, 635-646.	4.6	20
15	An alternative protocol to artificially simulate short-term ageing of binders for selected regional condition. <i>Construction and Building Materials</i> , 2018, 161, 654-664.	3.2	4
16	Determination of optimal mix from the standpoint of short term aging based on asphalt mixture fracture properties using response surface method. <i>Construction and Building Materials</i> , 2018, 179, 35-48.	3.2	29
17	Effects of a surfactant-wax based warm additive on high temperature rheological properties of asphalt binders. <i>Construction and Building Materials</i> , 2018, 183, 395-407.	3.2	10
18	Effect of a Poly-olefin Based Additive on Bitumen and Asphalt Mix Performance. <i>Advances in Civil Engineering Materials</i> , 2018, 7, 20170087.	0.2	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.	2.2	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.	1.9	2
21	Optimization in producing warm mix asphalt with polymer modified binder and surfactant-wax additive. Construction and Building Materials, 2017, 141, 578-588.	3.2	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.	3.2	33
23	Effects of compaction delay on the performance of porous asphalt mixture compacted at different thicknesses. AIP Conference Proceedings, 2017, , .	0.3	1
24	Performance characterizations of asphalt binders and mixtures incorporating silane additive ZycoTherm. AIP Conference Proceedings, 2017, , .	0.3	7
25	Analyzing the stripping potential of warm mix asphalt using imaging technique. IOP Conference Series: Materials Science and Engineering, 2017, 236, 012013.	0.3	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.	3.2	28
28	Disruption of air voids continuity based on permeability loss due to mortar creep. Construction and Building Materials, 2016, 116, 347-354.	3.2	7
29	Evaluation of sustainable technologies that upgrade the binder performance grade in asphalt pavement construction. Materials and Design, 2016, 95, 9-20.	3.3	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.	4.6	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.	3.2	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.	0.4	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.	0.4	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.	1.0	3

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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 0.784314.3gBT /Overlock 10	4.3	10
38	EFFECTS OF SHORT TERM AGING ON DYNAMIC CREEP PROPERTIES OF ASPHALT MIXTURES. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.3	3
39	An Overview of Moisture Damage in Asphalt Mixtures. Jurnal Teknologi (Sciences and Engineering), 2015, 73, .	0.3	17
40	A review on moisture damages of hot and warm mix asphalt and related investigations. Journal of Cleaner Production, 2015, 99, 39-58.	4.6	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.	4.6	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.	2.2	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, .	1.3	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.	4.6	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.	1.9	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.	3.2	53
49	Effect of Aggregate Shape on the Properties of Asphaltic Concrete AC14. Jurnal Teknologi (Sciences) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.3	3
50	Quantification of moisture sensitivity of warm mix asphalt using image analysis technique. Journal of Cleaner Production, 2014, 68, 200-208.	4.6	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.	3.2	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.	3.2	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.	2.0	37
54	Performance of Warm Mix Asphalt containing Sasobit®: State-of-the-art. Construction and Building Materials, 2013, 38, 530-553.	3.2	276

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55	Properties of Porous Asphalt Mixture Made with Styrene Butadiene Styrene under Long Term Oven Ageing. <i>Advanced Materials Research</i> , 2012, 486, 378-383.	0.3	16
56	Parameters to characterise the effects of Sasobit [®] content on the rheological properties of unaged and aged asphalt binders. <i>Road Materials and Pavement Design</i> , 2012, 13, 368-375.	2.0	21
57	Effects of Sasobit [®] content on the rheological characteristics of unaged and aged asphalt binders at high and intermediate temperatures. <i>Materials Research</i> , 2012, 15, 628-638.	0.6	45
58	The effects of initial conditioning and ambient temperatures on abrasion loss and temperature change of porous asphalt. <i>Construction and Building Materials</i> , 2012, 29, 108-113.	3.2	14
59	Permeability loss in porous asphalt due to binder creep. <i>Construction and Building Materials</i> , 2012, 30, 10-15.	3.2	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. <i>Journal of Cleaner Production</i> , 2012, 23, 20-27.	4.6	59
61	Laboratory Assessment of Water Flow Simulator for Porous Parking Lots Reservoir and Soil Layers. <i>Journal of Applied Sciences</i> , 2011, 11, 3464-3473.	0.1	0
62	Evaluation of the potential of Sasobit [®] to reduce required heat energy and CO ₂ emission in the asphalt industry. <i>Journal of Cleaner Production</i> , 2010, 18, 1859-1865.	4.6	89
63	Effects of Temperature and Binder Type on the Dynamic Creep of Asphaltic Concrete. <i>Modern Applied Science</i> , 2009, 3, .	0.4	11
64	Effects of Calcium Carbonate and Treated Palm Oil Fly Ash on the Rheological Properties of Asphalt Mastic. <i>Applied Mechanics and Materials</i> , 0, 802, 321-326.	0.2	0
65	The Alternative Trip Generation Model for Flat/Apartment/Condominium and Low Cost Housing Subcategories. <i>Applied Mechanics and Materials</i> , 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