

Mohd Rosli Hainin

List of Publications by Year in descending order

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72
papers

1,783
citations

304743

22
h-index

302126

39
g-index

72
all docs

72
docs citations

72
times ranked

1132
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical modification of waste cooking oil to improve the physical and rheological properties of asphalt binder. <i>Construction and Building Materials</i> , 2016, 126, 218-226.	7.2	146
2	Modelling the rheological properties of bituminous binders using mathematical equations. <i>Construction and Building Materials</i> , 2013, 40, 174-188.	7.2	113
3	Modelling the rheological properties of bituminous binders using the 2S2P1D Model. <i>Construction and Building Materials</i> , 2013, 38, 395-406.	7.2	110
4	An overview on alternative binders for flexible pavement. <i>Construction and Building Materials</i> , 2015, 84, 315-319.	7.2	108
5	Evaluation of asphalt mixtures incorporating electric arc furnace steel slag and copper mine tailings for road construction. <i>Transportation Geotechnics</i> , 2015, 2, 47-55.	4.5	108
6	Characterisation of micro-structural damage in asphalt mixtures using image analysis. <i>Construction and Building Materials</i> , 2014, 54, 27-38.	7.2	73
7	Mechanical performance of asphaltic concrete incorporating untreated and treated waste cooking oil. <i>Construction and Building Materials</i> , 2017, 150, 653-663.	7.2	56
8	Use of waste cooking oil, tire rubber powder and palm oil fuel ash in partial replacement of bitumen. <i>Construction and Building Materials</i> , 2017, 150, 95-104.	7.2	55
9	Engineering properties of asphalt binders containing nanoclay and chemical warm-mix asphalt additives. <i>Construction and Building Materials</i> , 2016, 112, 232-240.	7.2	54
10	High temperature characteristics of warm mix asphalt mixtures with nanoclay and chemical warm mix asphalt modified binders. <i>Journal of Cleaner Production</i> , 2016, 122, 326-334.	9.3	49
11	Comparative evaluation of dense-graded and gap-graded asphalt mix incorporating electric arc furnace steel slag and copper mine tailings. <i>Journal of Cleaner Production</i> , 2016, 122, 315-325.	9.3	49
12	Fundamental and rheological properties of oil palm fruit ash modified bitumen. <i>Construction and Building Materials</i> , 2013, 49, 702-711.	7.2	48
13	Investigation into hot-mix asphalt moisture-induced damage under tropical climatic conditions. <i>Construction and Building Materials</i> , 2014, 50, 567-576.	7.2	47
14	Laboratory performance of crumb rubber concrete block pavement. <i>International Journal of Pavement Engineering</i> , 2009, 10, 361-374.	4.4	43
15	Properties of Crumb Rubber Concrete Paving Blocks with SBR Latex. <i>Road Materials and Pavement Design</i> , 2009, 10, 213-222.	4.0	42
16	Steel Slag as an Aggregate Replacement in Malaysian Hot Mix Asphalt. <i>ISRN Civil Engineering</i> , 2012, 2012, 1-5.	0.4	41
17	Microstructural investigation on air void properties of porous asphalt using virtual cut section. <i>Construction and Building Materials</i> , 2017, 155, 485-494.	7.2	38
18	Effects of mixture design variables on rubber-bitumen interaction: properties of dry mixed rubberized asphalt mixture. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	3.1	36

#	ARTICLE	IF	CITATIONS
19	Strength and microstructure analysis of concrete containing rice husk ash under seawater attack by wetting and drying cycles. <i>Advances in Cement Research</i> , 2014, 26, 145-154.	1.6	34
20	Microstructural characterisation of dry mixed rubberised asphalt mixtures. <i>Construction and Building Materials</i> , 2015, 82, 173-183.	7.2	32
21	The effect of lift thickness on permeability and the time available for compaction of hot mix asphalt pavement under tropical climate condition. <i>Construction and Building Materials</i> , 2013, 48, 315-324.	7.2	27
22	Laboratory evaluation on the characteristics and pollutant emissions of nanoclay and chemical warm mix asphalt modified binders. <i>Construction and Building Materials</i> , 2016, 113, 488-497.	7.2	27
23	Synergistic effect of SBS copolymers and aromatic oil on the characteristics of asphalt binders and mixtures containing reclaimed asphalt pavement. <i>Construction and Building Materials</i> , 2022, 327, 127026.	7.2	23
24	Steel Slag as A Road Construction Material. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 73, .	0.4	22
25	Rutting Evaluation of Aged Binder Containing Waste Engine Oil. <i>Advanced Materials Research</i> , 0, 911, 405-409.	0.3	20
26	Performance of Waste Cooking Oil in Asphalt Binder Modification. <i>Key Engineering Materials</i> , 0, 700, 216-226.	0.4	20
27	Palm oil fuel ash application in cold mix dense-graded bituminous mixture. <i>Construction and Building Materials</i> , 2021, 287, 123033.	7.2	20
28	Characterisation of microstructural and sound absorption properties of porous asphalt subjected to progressive clogging. <i>Construction and Building Materials</i> , 2021, 283, 122654.	7.2	19
29	A Review on The Exploration of Nanomaterials Application in Pavement Engineering. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 73, .	0.4	18
30	Assessment framework for pavement material and technology elements in green highway index. <i>Journal of Cleaner Production</i> , 2018, 174, 1240-1246.	9.3	18
31	An Overview of Moisture Damage in Asphalt Mixtures. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 73, .	0.4	17
32	Influence of diatomite filler on rheological properties of porous asphalt mastic. <i>International Journal of Pavement Engineering</i> , 2020, 21, 428-436.	4.4	17
33	Warm Mix Asphalt Technology: A Review. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 71, .	0.4	16
34	Chemical Identification of Waste Cooking Oil as Additive in Bitumen. <i>Key Engineering Materials</i> , 0, 700, 207-215.	0.4	15
35	Cup lump modified asphalt mixture along jalan Kuala Lumpur-Kuantan, daerah Temerloh, Pahang. <i>MATEC Web of Conferences</i> , 2018, 250, 02007.	0.2	13
36	Effect of various filler types on the properties of porous asphalt mixture. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 342, 012036.	0.6	13

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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 0.784314.4gBT /Overlock 10	4.4	11
38	Comparative evaluation of hot-mix asphalt design methods. International Journal of Pavement Engineering, 2012, 13, 89-97.	4.4	11
39	Investigations of Rubber Dipping by-Product on Bitumen Properties. Advanced Materials Research, 0, 911, 449-453.	0.3	10
40	Performance of Modified Asphalt Binder with Tire Rubber Powder. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	10
41	Strength and Properties of Concrete Pavement Incorporating Multiple Blended Binders. Materials Science Forum, 2017, 889, 265-269.	0.3	10
42	Evaluation of Performance Characteristics of Stone Mastic Asphalt Incorporating Industrial Waste. Journal of Materials in Civil Engineering, 2016, 28, .	2.9	9
43	Review on the potentials of natural rubber in bitumen modification. IOP Conference Series: Earth and Environmental Science, 2020, 476, 012067.	0.3	9
44	Curing of Asphalt Emulsified Tack Coat Subjected to Malaysian Weather Conditions. Journal of Materials in Civil Engineering, 2015, 27, .	2.9	8
45	A comparative assessment of the physical and microstructural properties of waste garnet generated from automated and manual blasting process. Case Studies in Construction Materials, 2021, 14, e00474.	1.7	8
46	A Comparative Study of Phase Angle Predictive Equations Using Bituminous Binder Data. Arabian Journal for Science and Engineering, 2012, 37, 1571-1583.	1.1	7
47	Density profile of hot mix asphalt layer during compaction with various types of rollers and lift thickness. Construction and Building Materials, 2016, 121, 265-277.	7.2	7
48	Marshall stability properties of asphalt mixture incorporating black rice husk ash. Materials Today: Proceedings, 2018, 5, 22056-22062.	1.8	7
49	Physical and chemical properties of cement with nano black rice husk ash. AIP Conference Proceedings, 2019, , .	0.4	7
50	Mechanical performance and global warming potential of unaged warm cup lump modified asphalt. Journal of Cleaner Production, 2021, 297, 126653.	9.3	7
51	Physical, thermal and micro-surface characteristics of PG76 binder incorporated with liquid chemical WMA additive. Construction and Building Materials, 2021, 272, 121626.	7.2	6
52	The Effect of Grooveâ€“Underside Shaped Concrete Block on Pavement Permanent Deformation. Jurnal Teknologi (Sciences and Engineering), 2013, 61, .	0.4	5
53	Effect of Rice Husk Ash Fineness on the Properties of Concrete. Applied Mechanics and Materials, 2014, 554, 203-207.	0.2	5
54	Effect of Antioxidant Characteristic from Waste Cooking Oil in Modified Asphalt Binder. Key Engineering Materials, 0, 700, 197-206.	0.4	5

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55	Effect of Nano Silica on the Physical Property of Porous Concrete Pavement. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012043.	0.6	5
56	Stabilizing Asphalt Concrete Using Kenaf Fibers. Advanced Science Letters, 2018, 24, 3963-3967.	0.2	5
57	Effect of Aging on the Resilient Modulus of Stone Mastic Asphalt Incorporating Electric Arc Furnace Steel Slag and Copper Mine Tailings. , 2015, , 1199-1208.		5
58	EVALUATION ON THE PERFORMANCE OF AGED ASPHALT BINDER AND MIXTURE UNDER VARIOUS AGING METHODS. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	4
59	An Overall Review: Modified Asphalt Binder Containing Sasobit in Warm-Mix Asphalt Technology. Jurnal Teknologi (Sciences and Engineering), 2015, 73, .	0.4	4
60	Chloride penetration of RHA concrete under marine environment. Proceedings of the Institution of Civil Engineers: Maritime Engineering, 2016, 169, 76-85.	0.2	4
61	Effect of Temperature on Phase Angle and Dynamic Modulus of Asphalt Mixtures Using SPT. Materials Science Forum, 0, 1007, 99-104.	0.3	4
62	Evaluation of Pavement Mixture Incorporating Waste Oil. Jurnal Teknologi (Sciences and Engineering), 2014, 71, .	0.4	3
63	Performance of RHA Blended Cement Concrete under Sodium Chloride via Wetting and Drying. Applied Mechanics and Materials, 2014, 554, 106-110.	0.2	3
64	LABORATORY EVALUATION ON THE EFFECT OF CLOGGING ON PERMEABILITY OF POROUS ASPHALT MIXTURES. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	3
65	Properties of dense-graded asphalt mixture compacted at different temperatures. IOP Conference Series: Earth and Environmental Science, 2019, 220, 012010.	0.3	3
66	Properties of Crumb Rubber Concrete Paving Blocks with SBR Latex. Road Materials and Pavement Design, 2009, 10, 213-222.	4.0	3
67	Effects of Nano-kaolin clay on the rutting resistance of asphalt binder. AIP Conference Proceedings, 2019, , .	0.4	2
68	Physical and Rheological Characterization of Waste Engine Oil in Aged Asphalt Binder. Journal of Computational and Theoretical Nanoscience, 2020, 17, 1040-1043.	0.4	2
69	Creep stiffness and voids characteristic of asphalt mixture with waste cooking oil after aging. AIP Conference Proceedings, 2018, , .	0.4	1
70	WORKABILITY AND RHEOLOGICAL PROPERTIES OF EVA-MODIFIED BITUMEN COMPARED WITH PG 76 BINDER. Jurnal Teknologi (Sciences and Engineering), 2018, 80, .	0.4	1
71	Physical properties of bitumen containing diatomite and waste engine oil. Malaysian Journal of Fundamental and Applied Sciences, 2019, 15, 528-531.	0.8	1
72	Experimental investigation of flexural behaviour of U-shaped concrete subgrade panel. IOP Conference Series: Materials Science and Engineering, 2019, 620, 012061.	0.6	0