

Amiruddin Bin Ismail

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

1,201
citations

430442

18
h-index

476904

29
g-index

111
all docs

111
docs citations

111
times ranked

998
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Transportation Policies on Modal Shift from Private Car to Public Transport in Malaysia. <i>Journal of Applied Sciences</i> , 2007, 7, 1013-1018.	0.1	78
2	Physical and rheological properties of epoxidized natural rubber modified bitumens. <i>Construction and Building Materials</i> , 2014, 63, 242-248.	3.2	73
3	Rheological characteristics of unaged and aged epoxidised natural rubber modified asphalt. <i>Construction and Building Materials</i> , 2016, 102, 190-199.	3.2	47
4	Case study of the behavioural intentions of public transportation passengers in Kuala Lumpur. <i>Case Studies on Transport Policy</i> , 2018, 6, 462-474.	1.1	47
5	Performance evaluation of Al ₂ O ₃ nanoparticle-modified asphalt binder. <i>Road Materials and Pavement Design</i> , 2017, 18, 1251-1268.	2.0	46
6	The performance of Epoxidised Natural Rubber modified asphalt using nano-alumina as additive. <i>Construction and Building Materials</i> , 2017, 155, 680-687.	3.2	44
7	Predicting the Use of Public Transportation: A Case Study from Putrajaya, Malaysia. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	0.8	40
8	Determining the water damage resistance of nano-clay modified bitumens using the indirect tensile strength and surface free energy methods. <i>Construction and Building Materials</i> , 2018, 167, 391-402.	3.2	39
9	Effect of styrene-butadiene copolymer latex on properties and durability of road base stabilized with Portland cement additive. <i>Construction and Building Materials</i> , 2014, 68, 740-749.	3.2	38
10	Laboratory Investigation on the Strength Characteristics of Cement-Treated Base. <i>Applied Mechanics and Materials</i> , 0, 507, 353-360.	0.2	36
11	Rheological Evaluation of Asphalt Cements Modified with ASA Polymer and Al ₂ O ₃ Nanoparticles. <i>Procedia Engineering</i> , 2016, 143, 1276-1284.	1.2	36
12	Causes and Effects of Delay in Iranian Construction Projects. <i>International Journal of Engineering and Technology</i> , 2012, 4, 598-601.	0.1	34
13	Physical and rheological properties of acrylate-styrene-acrylonitrile modified asphalt cement. <i>Construction and Building Materials</i> , 2015, 93, 326-334.	3.2	28
14	Evaluation of cement-treated mixtures with slow setting bitumen emulsion as base course material for road pavements. <i>Construction and Building Materials</i> , 2015, 94, 323-336.	3.2	28
15	Performance evaluation of road base stabilized with styrene-butadiene copolymer latex and Portland cement. <i>International Journal of Pavement Research and Technology</i> , 2016, 9, 321-336.	1.3	28
16	Development of 2D multiphase non-isothermal mass transfer model for DMFC system. <i>Energy</i> , 2018, 152, 263-276.	4.5	22
17	Used Cylinder Oil Modified Cold-Mix Asphalt Concrete. <i>Journal of Applied Sciences</i> , 2007, 7, 3485-3491.	0.1	22
18	Transportation and its Concerns in Africa: A Review. <i>Social Sciences</i> , 2011, 6, 51-63.	0.0	20

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19	Expert System to Control Construction Problems in Flexible Pavements. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2013, 28, 307-323.	6.3	19
20	Determining the effects of aging on halloysite nano-tube modified binders through the pull-off test method. <i>Construction and Building Materials</i> , 2016, 126, 245-252.	3.2	19
21	Investigation of the relationship between fluidity and adhesion strength of unmodified and modified bitumens using the pull-off test method. <i>Construction and Building Materials</i> , 2016, 122, 140-148.	3.2	18
22	Engineering characterisation of epoxidized natural rubber-modified hot-mix asphalt. <i>PLoS ONE</i> , 2017, 12, e0171648.	1.1	18
23	Approach to Analyze Risk Factors for Construction Projects Utilizing Fuzzy Logic. <i>Journal of Applied Sciences</i> , 2008, 8, 3738-3742.	0.1	17
24	Effects on engineering properties of cement-treated road base with slow setting bitumen emulsion. <i>International Journal of Pavement Engineering</i> , 2017, 18, 202-215.	2.2	16
25	Mass and heat transport in direct methanol fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 9847-9855.	4.0	15
26	Gender and Age Do Matter: Exploring the Effect of Passengers's Gender and Age on the Perception of Light Rail Transit Service Quality in Kuala Lumpur, Malaysia. <i>Sustainability</i> , 2021, 13, 990.	1.6	15
27	Interaction between Bus Stops Location and Traffic on Bus Operation. <i>Applied Mechanics and Materials</i> , 0, 97-98, 1185-1188.	0.2	13
28	Variables communalities and dependence to factors of street system, density, and mixed land use in sustainable site design. <i>Sustainable Cities and Society</i> , 2012, 3, 46-53.	5.1	13
29	Rheological Characteristics of Epoxidized Natural Rubber Modified Bitumen. <i>Applied Mechanics and Materials</i> , 0, 505-506, 174-179.	0.2	13
30	Enhancing mortar strengths by ternary geopolymer binder of metakaolin, slag, and palm ash. <i>International Journal of Building Pathology and Adaptation</i> , 2017, 35, 438-455.	0.7	13
31	Using simulation model as a tool for analyzing bus service reliability and implementing improvement strategies. <i>PLoS ONE</i> , 2020, 15, e0232799.	1.1	12
32	The Impact of Intelligent Transport System Quality: Drivers's Acceptance Perspective. <i>International Journal of Technology</i> , 2016, 7, 553.	0.4	11
33	Comparative Analysis of Fare Collection System on Bus Operations. <i>Journal of Applied Sciences</i> , 2012, 12, 393-397.	0.1	11
34	The Potentials of Portland Cement and Bitumen Emulsion Mixture on Soil Stabilization in Road Base Construction. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 65, .	0.3	10
35	ICT and Diversity in Learners's Attitude on Smart School Initiative. <i>Procedia, Social and Behavioral Sciences</i> , 2010, 7, 728-737.	0.5	9
36	Balancing between Headway and Frequency Scheduling for Bus Service. <i>Applied Mechanics and Materials</i> , 0, 97-98, 669-673.	0.2	9

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37	Identification of Success Factors in Minimizing Delays on Construction Projects in IAU - Shoushtar Branch - Iran. <i>Applied Mechanics and Materials</i> , 0, 94-96, 2189-2193.	0.2	9
38	Attitudes and Awareness of Traffic Safety among Drivers in Tripoli-Libya. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 7, 5297-5303.	0.1	9
39	Expert System on Selection of Mobility Management Strategies towards Implementing Active Transport. <i>Procedia, Social and Behavioral Sciences</i> , 2015, 195, 2896-2904.	0.5	9
40	Early age shrinkage cracking of restrained metakaolin-slag-palm oil fuel ash binder geopolymer mortars. <i>Journal of Sustainable Cement-Based Materials</i> , 2018, 7, 271-295.	1.7	9
41	Study on Driversâ€™ Behaviour Relationships to Reduce Road Accidents in Puchong, Selangor Darul Ehsan. <i>Jurnal Kejuruteraan</i> , 2015, 27, 81-85.	0.2	9
42	Study of Methods for Minimizing Construction Delays: Evidences from a Developing Country. <i>Advanced Materials Research</i> , 0, 201-203, 2939-2942.	0.3	8
43	Study Behaviour of Passengers on Transit Operation. <i>Applied Mechanics and Materials</i> , 2011, 97-98, 1154-1157.	0.2	8
44	A DIAGNOSTIC EXPERT SYSTEM TO OVERCOME CONSTRUCTION PROBLEMS IN RIGID HIGHWAY PAVEMENT. <i>Journal of Civil Engineering and Management</i> , 2013, 19, 846-861.	1.9	8
45	Measuring the effects of styrene butadiene copolymer latex-Portland cement additives on properties of stabilized soil-aggregate base. <i>International Journal of Pavement Research and Technology</i> , 2018, 11, 458-469.	1.3	8
46	Pemodelan Hubungan Antara Kualiti Perkhidmatan, Kesan Alam Sekitar, Sikap dan Keinginan untuk Menggunakan Park-and-Ride. <i>Jurnal Kejuruteraan</i> , 2015, 27, 63-70.	0.2	8
47	Signal reconstruction of surface waves on SASW measurement using Gaussian Derivative wavelet transform. <i>Acta Geophysica</i> , 2009, 57, 616-635.	1.0	7
48	Bus Scheduling Model for Adjustment Headway of Bus Carriers. <i>Applied Mechanics and Materials</i> , 2011, 97-98, 911-915.	0.2	7
49	Identification and Evaluation of Causes and Effects of Change Orders in Building Construction Projects. <i>Applied Mechanics and Materials</i> , 0, 94-96, 2261-2264.	0.2	7
50	Bitumen-cement Stabilized Layer in Pavement Construction Using Indirect Tensile Strength (ITS) Method. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2013, 5, 5652-5656.	0.1	7
51	An Educational Knowledge-based System For Civil Engineering Students in Cement Concrete Construction Problems. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 102, 311-319.	0.5	6
52	Application of Transyt-7f on Signalized Road Junction Networks in Shah Alam and Petaling Jaya. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 69, .	0.3	6
53	CHARACTERIZATION OF THE PERFORMANCE OF ALUMINUM OXIDE NANOPARTICLES MODIFIED ASPHALT BINDER. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	6
54	Evaluation of elevated temperature properties of asphalt cement modified with aluminum oxide and calcium carbonate nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 236, 012008.	0.3	6

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55	Analysis of Asphalt Pavement under Nonuniform Tire-pavement Contact Stress using Finite Element Method. Journal of Applied Sciences, 2011, 11, 2562-2569.	0.1	6
56	Implementing Specific Lane Length on Bus Route for Operation Delays Reduction. Journal of Applied Sciences, 2012, 12, 2077-2081.	0.1	6
57	Comparison between Mixtures of Asphalt with Palm Oil Shells and Coconut Shells as Additives. Jurnal Kejuruteraan, 2013, 25, 25-31.	0.2	5
58	The Importance of Student's Views Regarding Educational Change. Procedia, Social and Behavioral Sciences, 2010, 7, 738-744.	0.5	4
59	Switching Model for Private Vehicles to Public Transportation System in Case of Sana'a. Research Journal of Applied Sciences, Engineering and Technology, 2013, 6, 2366-2372.	0.1	4
60	Public Transport System in Local City and Rural Area: Comparative Study Between Malaysia and Japan. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.3	4
61	Evaluating the Effect of Mixing Process on Nano-Clay Modified Binders Using the Pull-Off Test Method. Applied Mechanics and Materials, 2015, 802, 357-362.	0.2	4
62	The Effects of Delays in Road Construction Projects in Tripoli, Libya. International Journal of Technology, 2018, 9, 766.	0.4	4
63	Utilization of Value Engineering to Optimize Concreting Productivity. Journal of Applied Sciences, 2008, 8, 3479-3484.	0.1	4
64	Using of Value Engineering in Main Road Construction. Journal of Applied Sciences, 2010, 10, 2950-2953.	0.1	4
65	Short-term Effects of Applying Carboxylated Styrene Butadiene Emulsion-portland Cement Mixture on Road Base Construction. Journal of Applied Sciences, 2015, 15, 1266-1277.	0.1	4
66	Route Choice Decision based on Real Time Information. Journal of Applied Sciences, 2010, 10, 2304-2309.	0.1	4
67	Briefing: Study of the relationship between stiffness parameters for base materials. Proceedings of the Institution of Civil Engineers: Transport, 2012, 165, 159-165.	0.3	3
68	An Overview of Urban Transport in Sana'a (Yemen). Research Journal of Applied Sciences, Engineering and Technology, 2013, 6, 2773-2776.	0.1	3
69	A Study on Non-Motorised (NMT) Activities for Urban Environment. Research Journal of Applied Sciences, Engineering and Technology, 2014, 7, 290-295.	0.1	3
70	Knowledge of Traffic Laws and Drivers Behavior on the Roads of Tripoli City, Libya. Research Journal of Applied Sciences, Engineering and Technology, 2014, 7, 2040-2045.	0.1	3
71	Evaluating the Performance of Traffic Flow in Four Intersections and Two Roundabouts in Petaling Jaya and Kuala Lumpur Using Sidra 4.0 Software. Jurnal Teknologi (Sciences and Engineering), 2015, 72, .	0.3	3
72	Effect of input source energy and measurement of flexible pavement deflection using the SASW method. International Journal of Pavement Engineering, 2019, 20, 382-392.	2.2	3

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73	Rapid Prototyping Expert Systems for Minimising River Pollution During Highway Construction Activities. <i>Journal of Applied Sciences</i> , 2009, 9, 2280-2286.	0.1	3
74	Development of Bicycle Shift Models in Universiti Kebangsaan Malaysia Campus. <i>Jurnal Kejuruteraan</i> , 2014, 26, 69-76.	0.2	3
75	Development of Roundabout Delay Models Using Traffic Simulation Programs: A Case Study at Al-Mansour City, Iraq. <i>Jurnal Kejuruteraan</i> , 2017, 29, 97-103.	0.2	3
76	The Comparison of Mode Choice Sensitivity to the Reduction of Travel Time and Cost in Multimodal Trip. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2013, 6, 1680-1684.	0.1	2
77	Freeze-Thaw Performance and Moisture-Induced Damage Resistance of Base Course Stabilized with Slow Setting Bitumen Emulsion-Portland Cement Additives. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-10.	1.0	2
78	Freeze-thaw performance of base course treated with carboxylated styrene-butadiene emulsion-Portland cement. <i>International Journal of Pavement Engineering</i> , 2018, 19, 1087-1095.	2.2	2
79	A model of driver's lane-changing behaviour at an urban signalised intersection. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2007, 7, 2150029-2150030.	0.2	1
80	An Investigation of Procedures of Change Orders™ Control in Roadway Construction Projects. <i>Advanced Materials Research</i> , 2012, 446-449, 3778-3781.	0.3	1
81	Kesan Masa Perjalanan Bas dan Bayaran Tempat Letak Kereta Terhadap Penggunaan Pengangkutan Awam di Putrajaya. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 61, .	0.3	1
82	Comparison of Conventional and Modern Urban Public Transport Systems. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 7, 791-794.	0.1	1
83	An Overview of Interchanges and Ramps in Case of Sabzevar. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 7, 1163-1166.	0.1	1
84	Investigation on the physical and rheological properties of acrylate-styrene-acrylonitrile polymer and nano aluminum oxide modified asphalt binders nano aluminum oxide modified asphalt binders. , 2015, , 81-87.		1
85	A Study of Fuel Price Increase and Its Influence on Selection of Mode of Transports. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 72, .	0.3	1
86	Evaluation of Durability and Permanent Deformation of Modified Road Base Construction Using Rovene[®] 4045 and Portland Cement Additives. <i>Advanced Materials Research</i> , 0, 1089, 228-234.	0.3	1
87	Evaluation of permanent deformation and durability of epoxidized natural rubber modified asphalt mix. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 236, 012015.	0.3	1
88	Development of Simulation Model to Improve Bus Service Reliability at High-Frequency Operation. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 74, .	0.3	1
89	Calibrating and Modelling of Statistical Delay for Signalized Intersections at Al-Nasiriyah City in Iraq. <i>Jurnal Kejuruteraan</i> , 2017, 29, 23-34.	0.2	1
90	An evaluation of test statistics for detecting temporary change in BI(1,1,1,1) models. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2007, 7, 2030041-2030042.	0.2	0

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91	The Significant and Acceptable Features of Urban Public Vehicles for Travellers in Terms of Urbanization. <i>Advanced Materials Research</i> , 0, 450-451, 1152-1155.	0.3	0
92	Bus Rapid Transit (BRT) System Impacts to Environmental Quality. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 7, 1344-1350.	0.1	0
93	An Overview of Staged-bus Operation in Cities. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 7, 1133-1137.	0.1	0
94	Developing a Model for Planting Trees Along the Walkway. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 66, 10-15.	0.3	0
95	A Review of Strategies to Implement Sustainable Urban Transportation Options in Malaysia. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 69, .	0.3	0
96	STUDY ON THE EFFECTS OF RECEIVER DISTANCE, HEIGHT AND MASS OF DROPPING STEEL BALLS ON SASW TEST RESULTS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	0
97	Application of carboxylated styrene-butadiene emulsion-Portland cement mixture as road base material. <i>International Journal of Pavement Engineering</i> , 2017, 18, 1070-1080.	2.2	0
98	An Exploration on the Developing of Expert System in Transport Engineering. <i>MATEC Web of Conferences</i> , 2017, 103, 09014.	0.1	0
99	Study of Sand Characteristics as Bearing and Filler in Joint of Inter-locking Concrete Block Pavement. <i>Jurnal Kejuruteraan</i> , 2009, 21, 33-42.	0.2	0
100	Long Term Simulation of Groundwater Situation in Murauk Basin due to Great-Man Made Project Pumping in Libya. , 2010, , .		0
101	Calculate the Real Total Float for the Activities in a Project. <i>American Journal of Applied Sciences</i> , 2011, 8, 192-200.	0.1	0
102	Modelling of Transportation Policies to Encourage Shifting from Private Car to the Public Transport Usage in Putrajaya. <i>Jurnal Kejuruteraan</i> , 2015, 27, 15-21.	0.2	0
103	Evaluation of Asphalt Pavement at Airport Using Seismic Technique. , 2016, , .		0
104	Potential of Coconut Shell Replacement as Coarse Aggregate in Hot Mix Asphalt. <i>Jurnal Kejuruteraan</i> , 2017, S, 77-81.	0.2	0
105	Title is missing!. , 2020, 15, e0232799.		0
106	Title is missing!. , 2020, 15, e0232799.		0
107	Title is missing!. , 2020, 15, e0232799.		0
108	Title is missing!. , 2020, 15, e0232799.		0