Suhana Binti Koting

List of Publications by Year
in descending order

38 papers	922 citations	430874 18 h-index	477307 29 g-index
40 all docs	40 docs citations	40 times ranked	847 citing authors

#	Article	IF	Citations
1	Towards a time and cost effective approach to water quality index class prediction. Journal of Hydrology, 2019, 575, 148-165.	5.4	75
2	A Review on the Effect of Crumb Rubber Addition to the Rheology of Crumb Rubber Modified Bitumen. Advances in Materials Science and Engineering, 2013, 2013, 1-8.	1.8	71
3	A hybrid bat–swarm algorithm for optimizing dam and reservoir operation. Neural Computing and Applications, 2019, 31, 8807-8821.	5.6	68
4	Input attributes optimization using the feasibility of genetic nature inspired algorithm: Application of river flow forecasting. Scientific Reports, 2020, 10, 4684.	3.3	55
5	Effects of Aggregate Gradation on the Physical Properties of Semiflexible Pavement. Advances in Materials Science and Engineering, 2014, 2014, 1-8.	1.8	50
6	Laboratory study on recycled concrete aggregate based asphalt mixtures for sustainable flexible pavement surfacing. Journal of Cleaner Production, 2020, 262, 121462.	9.3	45
7	Mechanical properties of cement-bitumen composites for semi-flexible pavement surfacing. Baltic Journal of Road and Bridge Engineering, 2014, 9, 191-199.	0.8	38
8	Greenhouse gas emissions associated with electric vehicle charging: The impact of electricity generation mix in a developing country. Transportation Research, Part D: Transport and Environment, 2018, 64, 15-22.	6.8	37
9	Performance Evaluation of Crumb Rubber Modified Stone Mastic Asphalt Pavement in Malaysia. Advances in Materials Science and Engineering, 2013, 2013, 1-8.	1.8	36
10	Effects of Using Silica Fume and Polycarboxylate-Type Superplasticizer on Physical Properties of Cementitious Grout Mixtures for Semiflexible Pavement Surfacing. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	36
11	Groundwater quality forecasting modelling using artificial intelligence: A review. Groundwater for Sustainable Development, 2021, 14, 100643.	4.6	33
12	A Novel Hybrid Evolutionary Data-Intelligence Algorithm for Irrigation and Power Production Management: Application to Multi-Purpose Reservoir Systems. Sustainability, 2019, 11, 1953.	3.2	30
13	Forecasting hydrological parameters for reservoir system utilizing artificial intelligent models and exploring their influence on operation performance. Knowledge-Based Systems, 2019, 163, 907-926.	7.1	30
14	Optimum moisture content in roller-compacted concrete pavement. International Journal of Pavement Engineering, 2020, 21, 1769-1779.	4.4	29
15	Evaluation of Permanent Deformation of Unmodified and Rubber-Reinforced SMA Asphalt Mixtures Using Dynamic Creep Test. Advances in Materials Science and Engineering, 2015, 2015, 1-11.	1.8	25
16	New Evolutionary Algorithm for Optimizing Hydropower Generation Considering Multireservoir Systems. Applied Sciences (Switzerland), 2019, 9, 2280.	2.5	24
17	A Review of the Utilization of Coal Bottom Ash (CBA) in the Construction Industry. Sustainability, 2021, 13, 8031.	3.2	23
18	Dynamic Properties and Fatigue Life of Stone Mastic Asphalt Mixtures Reinforced with Waste Tyre Rubber. Advances in Materials Science and Engineering, 2013, 2013, 1-9.	1.8	20

#	Article	IF	Citations
19	Performance evaluation of stone mastic asphalt (SMA) mixtures with palm oil clinker (POC) as fine aggregate replacement. Construction and Building Materials, 2020, 262, 120546.	7.2	20
20	Performance of High Content Reclaimed Asphalt Pavement (RAP) in Asphaltic Mix with Crumb Rubber Modifier and Waste Engine Oil as Rejuvenator. Applied Sciences (Switzerland), 2021, 11, 5226.	2.5	17
21	Improving Dam and Reservoir Operation Rules Using Stochastic Dynamic Programming and Artificial Neural Network Integration Model. Sustainability, 2019, 11, 5367.	3.2	16
22	An overview on the properties of eco-friendly concrete paving blocks incorporating selected waste materials as aggregate. Environmental Science and Pollution Research, 2021, 28, 29009-29036.	5.3	16
23	Analysis of Feeder Bus Network Design and Scheduling Problems. Scientific World Journal, The, 2014, 2014, 1-10.	2.1	13
24	Artificial Neural Network Approach for Modelling of Mercury Ions Removal from Water Using Functionalized CNTs with Deep Eutectic Solvent. International Journal of Molecular Sciences, 2019, 20, 4206.	4.1	13
25	Effect of Palm Oil Clinker (POC) Aggregate on the Mechanical Properties of Stone Mastic Asphalt (SMA) Mixtures. Sustainability, 2020, 12, 2716.	3.2	13
26	Evaluation of Fatigue Life of CRM-Reinforced SMA and Its Relationship to Dynamic Stiffness. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	11
27	A systematic review of the utilization of waste materials as aggregate replacement in stone matrix asphalt mixes. Environmental Science and Pollution Research, 2022, 29, 35557-35582.	5.3	11
28	The Effect of Crumb Rubber Particle Size to the Optimum Binder Content for Open Graded Friction Course. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	10
29	Effect of Rubberized Bitumen Blending Methods on Permanent Deformation of SMA Rubberized Asphalt Mixtures. Advances in Materials Science and Engineering, 2016, 2016, 1-14.	1.8	10
30	Optimization of mixing time for polymer modified asphalt. IOP Conference Series: Materials Science and Engineering, 0, 512, 012030.	0.6	10
31	The strength and environmental performance of asphalt mixtures with recycled concrete aggregates. Transportation Research, Part D: Transport and Environment, 2021, 100, 103065.	6.8	9
32	Toward Bridging Future Irrigation Deficits Utilizing the Shark Algorithm Integrated with a Climate Change Model. Applied Sciences (Switzerland), 2019, 9, 3960.	2.5	8
33	Effect of Carbon Nanofibers on Physical, Adhesion and Rheological Properties of Liquid Epoxidized Natural Rubber Modified Asphalt. Materials, 2022, 15, 3870.	2.9	7
34	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
35	Master curve of dynamic modulus for modified asphalt mixtures. AIP Conference Proceedings, 2020, , .	0.4	5
36	Ecological Engineering Approach as a Sustainable Solution for Wastewater and Surface Water Issues in Rural Areas of Bario, Sarawak, Malaysia. IOP Conference Series: Earth and Environmental Science, 0, 616, 012063.	0.3	1

#	Article	IF	Citations
37	Effect of Aging on the Chemical, Morphological and Wettability Characteristics of Polyurethane Modified Binder. Lecture Notes in Civil Engineering, 2021, , 261-270.	0.4	0
38	Evaluation of Outlier Filtering Algorithms for Accurate Travel Time Measurement Incorporating Lane-Splitting Situations. Sustainability, 2021, 13, 13851.	3.2	0