

Aliyu Usman

List of Publications by Year in descending order

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papers

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citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	A systematic review of bio-asphalt for flexible pavement applications: Coherent taxonomy, motivations, challenges and future directions. <i>Journal of Cleaner Production</i> , 2020, 249, 119357.	9.3	76
2	Modeling and optimization of mixing parameters using response surface methodology and characterization of palm oil clinker fine modified bitumen. <i>Construction and Building Materials</i> , 2021, 298, 123849.	7.2	38
3	Comparison of Performance Properties and Prediction of Regular and Gamma-Irradiated Granular Waste Polyethylene Terephthalate Modified Asphalt Mixtures. <i>Polymers</i> , 2021, 13, 2610.	4.5	29
4	Influence of Reduced Graphene Oxide on Epoxy/Carbon Fiber Reinforced Hybrid Composite: Flexural and Shear Properties under Varying Temperature Conditions. <i>Advanced Engineering Materials</i> , 2019, 21, 1800614.	3.5	24
5	Comparison of Response Surface Methodology and Artificial Neural Network approach in predicting the performance and properties of palm oil clinker fine modified asphalt mixtures. <i>Construction and Building Materials</i> , 2022, 324, 126618.	7.2	24
6	Irradiated polyethylene terephthalate fiber and binder contents optimization for fiber-reinforced asphalt mix using response surface methodology. <i>Ain Shams Engineering Journal</i> , 2021, 12, 271-282.	6.1	23
7	Effect of Recycled Plastic in Mortar and Concrete and the Application of Gamma Irradiation - A Review. <i>E3S Web of Conferences</i> , 2018, 65, 05027.	0.5	18
8	Irradiated polyethylene terephthalate and fly ash based grouts for semi-flexible pavement: design and optimisation using response surface methodology. <i>International Journal of Pavement Engineering</i> , 2022, 23, 2515-2530.	4.4	18
9	Development of a Hybrid Machine Learning Model for Asphalt Pavement Temperature Prediction. <i>IEEE Access</i> , 2021, 9, 158041-158056.	4.2	14
10	Influence of nanosilica particles on the high-temperature performance of waste denim fibre-modified bitumen. <i>International Journal of Pavement Engineering</i> , 2022, 23, 207-220.	4.4	13
11	Rutting and Moisture Damage Evaluation of Warm Mix Asphalt Incorporating POFA Modified Bitumen. <i>International Journal of Engineering and Advanced Technology</i> , 2019, 9, 90-98.	0.3	11
12	Response Surface Methodology Optimization in Asphalt Mixtures: A Review. , 0, , .		10
13	Optimization of Cementitious Grouts for Semi-Flexible Pavement Surfaces Using Response Surface Methodology. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 498, 012004.	0.3	9
14	Influence of modification mixing parameters on conventional properties of palm oil clinker fine (POCF)-modified bitumen. <i>Materials Today: Proceedings</i> , 2022, 48, 771-777.	1.8	9
15	Optimization of rubber seed oil content as bio-oil rejuvenator and total water content for cold recycled asphalt mixtures using response surface methodology. <i>Case Studies in Construction Materials</i> , 2021, 15, e00561.	1.7	9
16	A comparative assessment of the physical and microstructural properties of waste garnet generated from automated and manual blasting process. <i>Case Studies in Construction Materials</i> , 2021, 14, e00474.	1.7	8
17	Mechanical performance and global warming potential of unaged warm cup lump modified asphalt. <i>Journal of Cleaner Production</i> , 2021, 297, 126653.	9.3	7
18	Application of gamma irradiation on Polyethylene Terephthalate (PET) for use in asphaltic concrete mixtures as aggregates replacement. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 498, 012008.	0.3	6

#	ARTICLE	IF	CITATIONS
19	Geopolymer utilization in the pavement industry - An overview. IOP Conference Series: Earth and Environmental Science, 2022, 1022, 012025.	0.3	6
20	Performance evaluation of waste palm oil fiber reinforced stone matrix asphalt mixtures using traditional and sequential mixing processes. Case Studies in Construction Materials, 2021, 15, e00783.	1.7	5
21	Effect of Palm Oil Clinker Powder-Based Geopolymer on Bitumen and Asphalt Mixture Properties. , 2021, , .		3
22	Effect of amorphous silica ash used as a partial replacement for cement on the compressive and flexural strengths cement mortar.. IOP Conference Series: Earth and Environmental Science, 2018, 140, 012124.	0.3	2
23	Engineering properties of irradiated waste polyethylene terephthalate (WPET) modified asphaltic concrete mixtures using the modified dry method. IOP Conference Series: Materials Science and Engineering, 2021, 1092, 012026.	0.6	2
24	RELIABILITY ASSESSMENT OF STRINGERS SPACINGS IN BRIDGES AS FUNCTION OF TIMBER PROPERTIES. Nigerian Journal of Technology, 2016, 35, 306.	0.3	1
25	Binary logistic regression methods for modeling broncho-pneumonia status in infants from tertiary health institutions in north central Nigeria. Journal of Applied Sciences and Environmental Management, 2019, 23, 1607.	0.1	1
26	Evaluation of optimum asphalt content and engineering properties of asphalt mixture containing irradiated waste plastic bottles granules as aggregates. IOP Conference Series: Earth and Environmental Science, 2022, 1022, 012033.	0.3	1
27	Waste Polyethylene Terephthalate granules modified by gamma irradiation and their effect as fine aggregates on moisture damage of asphalt mixtures. IOP Conference Series: Earth and Environmental Science, 2022, 1022, 012026.	0.3	0