

Isaac Akinwumi

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

602
citations

623734

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all docs

49
docs citations

49
times ranked

442
citing authors

#	ARTICLE	IF	CITATIONS
1	Compaction and shear strength enhancement of weak soil by copper slag addition. <i>Materials Today: Proceedings</i> , 2021, 39, 834-838.	1.8	6
2	Incorporation of a nanotechnology-based product in cementitious binders for sustainable mitigation of sulphate-induced heaving of stabilised soils. <i>Engineering Science and Technology, an International Journal</i> , 2021, 24, 436-448.	3.2	14
3	Trends of non-communicable diseases and public health concerns of the people of northeastern Nigeria amidst the Boko Haram insurgency. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2021, 29, 553-561.	1.6	3
4	A review of the mineralogical and geotechnical properties of some residual soils in relation to the problems of road failures: A case study of Nigeria. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1036, 012071.	0.6	1
5	A review on plastic waste as sustainable resource in civil engineering applications. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1036, 012019.	0.6	11
6	Suitability of using borrow pit soils collected from Southwestern Nigeria as landfill liners. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1036, 012038.	0.6	0
7	Lignin modified PVDF membrane with antifouling properties for oil filtration. <i>Journal of Water Process Engineering</i> , 2021, 43, 102248.	5.6	8
8	Appropriate Use of Lime in the Study of the Physicochemical Behaviour of Stabilised Lateritic Soil under Continuous Water Ingress. <i>Sustainability</i> , 2021, 13, 257.	3.2	19
9	Banana Fibre-Reinforcement of a Soil Stabilized with Sodium Silicate. <i>Silicon</i> , 2020, 12, 357-363.	3.3	33
10	Lightweight Self-Compacting Concrete Incorporating Industrial Rejects and Mineral Admixtures: Strength and Durability Assessment. <i>Silicon</i> , 2020, 12, 1779-1785.	3.3	20
11	Ballast Contamination Mechanisms: A Critical Review of Characterisation and Performance Indicators. <i>Infrastructures</i> , 2020, 5, 94.	2.8	7
12	Subgrade Stabilization using Rice Husk Ash-based Geopolymer (GRHA) and Cement Kiln Dust (CKD). <i>Case Studies in Construction Materials</i> , 2020, 13, e00388.	1.7	20
13	Mechanical Properties and Microstructure of Fibre-Reinforced Clay Blended with By-Product Cementitious Materials. <i>Geosciences (Switzerland)</i> , 2020, 10, 241.	2.2	24
14	Soil Erosion Protection on Hilly Regions Using Plant Roots: An Experimental Insight. <i>Advances in Science, Technology and Innovation</i> , 2020, , 321-335.	0.4	2
15	Reactive project scheduling: minimizing delays in the completion times of projects. <i>Asian Journal of Civil Engineering</i> , 2019, 20, 1189-1202.	1.6	6
16	Marine plastic pollution and affordable housing challenge: Shredded waste plastic stabilized soil for producing compressed earth bricks. <i>Case Studies in Construction Materials</i> , 2019, 11, e00241.	1.7	34
17	The use of recycled concrete aggregate for concrete production incorporating calcined clay as pozzolanic admixture. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 640, 012047.	0.6	2
18	Geotechnical characteristics of a selected shallow marine area considered for quay wall construction. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 640, 012075.	0.6	1

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19	Pollution emission evolution from composite and metal formation in Foundry Industry. IOP Conference Series: Materials Science and Engineering, 2019, 640, 012098.	0.6	0
20	Perception of professionals on causes of structural cracks in concrete buildings. IOP Conference Series: Materials Science and Engineering, 2019, 640, 012036.	0.6	5
21	Use of some agricultural wastes to modify the engineering properties of subgrade soils: A review. Journal of Physics: Conference Series, 2019, 1378, 022050.	0.4	7
22	Housing crisis: Waste glass-stabilized clay for use as fired clay bricks. IOP Conference Series: Materials Science and Engineering, 2019, 640, 012072.	0.6	1
23	Overview of Industrial Pollution Activities and its Curbing Mechanisms. IOP Conference Series: Materials Science and Engineering, 2019, 640, 012097.	0.6	6
24	Sustainable use of recycled waste glass as an alternative material for building construction – A review. IOP Conference Series: Materials Science and Engineering, 2019, 640, 012073.	0.6	22
25	Stabilization Effect of Aluminum Dross on Tropical Lateritic Soil. International Journal of Engineering Research in Africa, 2018, 39, 86-96.	0.7	8
26	Design of an engineered landfill as possible replacement for an existing dump at Akure, Nigeria. African Journal of Science, Technology, Innovation and Development, 2018, 10, 835-843.	1.6	2
27	Strength and microstructure of eco-concrete produced using waste glass as partial and complete replacement for sand. Cogent Engineering, 2018, 5, 1483860.	2.2	44
28	Beneficiated pozzolans as cement replacement in bamboo-reinforced concrete: the intrinsic characteristics. Innovative Infrastructure Solutions, 2018, 3, 1.	2.2	9
29	COMPARATIVE STUDY OF CORNCOB ASH-BASED LATERITIC INTERLOCKING AND SANDCRETE HOLLOW BLOCKS. International Journal of GEOMATE, 2018, 15, .	0.3	15
30	INTEGER PROGRAMMING ALGORITHM FOR PUBLIC TRANSPORT SYSTEM IN SUB-SAHARAN AFRICAN CITIES. WIT Transactions on the Built Environment, 2018, , .	0.0	0
31	INVESTIGATION OF CALCIUM CARBIDE RESIDUE AS A STABILIZER FOR TROPICAL SAND USED AS PAVEMENT MATERIAL. WIT Transactions on the Built Environment, 2018, , .	0.0	1
32	MODELLING RATE OF TRAFFIC-INDUCED BUILDING VIBRATIONS IN SANGO-OTA, NIGERIA: AN ASSUMPTION BASED ANALYSIS. , 2018, , .		0
33	Bio-Enzymatic Stabilization of a Soil Having Poor Engineering Properties. International Journal of Civil Engineering, 2017, 15, 401-409.	2.0	33
34	Nigerian Lateritic Clay Soils As Hydraulic Barriers To Adsorb Metals. Geotechnical Characterization And Chemical Compatibility. Environmental Protection Engineering, 2017, 43, .	0.1	12
35	Evaluation of Geotechnical Parameters using Geophysical Data. Journal of Engineering and Technological Sciences, 2017, 49, 95-113.	0.6	22
36	PERFORMANCE OF STEEL SLAG AGGREGATE CONCRETE WITH VARIED WATER- CEMENT RATIO. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	10

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37	Plasticity, strength, permeability and compressibility characteristics of black cotton soil stabilized with precipitated silica. Journal of Central South University, 2016, 23, 2688-2694.	3.0	28
38	Sawdust Stabilization of Lateritic Clay as a Landfill Liner to Retain Heavy Metals. , 2016, , .		5
39	Cement stabilisation of crude-oil-contaminated soil. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2016, 169, 336-345.	1.6	25
40	EXPERIMENTAL INSIGHTS OF USING WASTE MARBLE FINES TO MODIFY THE GEOTECHNICAL PROPERTIES OF A LATERITIC SOIL. Journal of Environmental Engineering and Landscape Management, 2015, 23, 121-128.	1.0	21
41	Soil modification by addition of cactus mucilage. Geomechanics and Engineering, 2015, 8, 649-661.	0.9	15
42	Soil Modification by the Application of Steel Slag. Periodica Polytechnica: Civil Engineering, 2014, 58, 371-377.	0.6	60
43	Study of Reed-Bed of an Urban Wastewater in a Nigerian Community. , 2014, , .		2
44	Effects of Steel Slag Addition on the Plasticity, Strength, and Permeability of Lateritic Soil. , 2012, , .		13
45	Diameter Inconsistency, Strength and Corrosion Characteristics of Locally-Produced and Imported Steel Reinforcing Bars in Ilorin, Nigeria. International Journal of Engineering Research in Africa, 0, 29, 90-97.	0.7	5
46	Appraisal of Municipal Solid Waste Management, Its Effect and Resource Potential in a Semi-Urban City: a Case Study. Journal of South African Business Research, 0, , 1-13.	0.0	13
47	A Comparative Study of Operations and Maintenance of Iju Water Works. IOP Conference Series: Materials Science and Engineering, 0, 640, 012076.	0.6	0