

John Kinuthia

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,386
citations

159585

30
h-index

206112

48
g-index

56
all docs

56
docs citations

56
times ranked

1402
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of partial substitution of lime with ground granulated blast furnace slag (GGBS) on the strength properties of lime-stabilised sulphate-bearing clay soils. <i>Engineering Geology</i> , 1998, 51, 37-53.	6.3	193
2	Engineering properties of unfired clay masonry bricks. <i>Engineering Geology</i> , 2009, 107, 130-139.	6.3	172
3	Suppression of swelling associated with ettringite formation in lime stabilized sulphate bearing clay soils by partial substitution of lime with ground granulated blastfurnace slag (GGBS). <i>Engineering Geology</i> , 1999, 51, 257-277.	6.3	154
4	Effects of monovalent and divalent metal sulphates on consistency and compaction of lime-stabilised kaolinite. <i>Applied Clay Science</i> , 1999, 14, 27-45.	5.2	122
5	Effects of ground granulated blast furnace slag (GGBS) on the strength and swelling properties of lime-stabilized kaolinite in the presence of sulphates. <i>Clay Minerals</i> , 1996, 31, 423-433.	0.6	121
6	Compressive strength and hydration of wastepaper sludge ashâ€“ground granulated blastfurnace slag blended pastes. <i>Cement and Concrete Research</i> , 2003, 33, 1189-1202.	11.0	117
7	Compressive strength and microstructural analysis of unfired clay masonry bricks. <i>Engineering Geology</i> , 2009, 109, 230-240.	6.3	94
8	Soil stabilisation with lime-activated-GGBSâ€”A mitigation to flooding effects on road structural layers/embankments constructed on floodplains. <i>Engineering Geology</i> , 2012, 151, 112-119.	6.3	89
9	Stabilised unfired clay bricks for environmental and sustainable use. <i>Applied Clay Science</i> , 2012, 58, 52-59.	5.2	87
10	Sustainable soil stabilisation with blastfurnace slag â€” a review. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2010, 163, 157-165.	1.1	80
11	Sustainable construction: Composite use of tyres and ash in concrete. <i>Waste Management</i> , 2009, 29, 360-367.	7.4	70
12	Enhancing the durability of flooded low-capacity soils by utilizing lime-activated ground granulated blastfurnace slag (GGBS). <i>Engineering Geology</i> , 2011, 123, 179-186.	6.3	67
13	The use of stabilised Spanish clay soil for sustainable construction materials. <i>Engineering Geology</i> , 2012, 133-134, 9-15.	6.3	61
14	Design thermal values for unfired clay bricks. <i>Materials & Design</i> , 2010, 31, 104-112.	5.1	59
15	Workability of concrete incorporating pulverized fuel ash and metakaolin. <i>Magazine of Concrete Research</i> , 1999, 51, 207-216.	2.0	57
16	An investigation into the strength development of Wastepaper Sludge Ash blended with Ground Granulated Blastfurnace Slag. <i>Cement and Concrete Research</i> , 2009, 39, 942-949.	11.0	54
17	Challenges in Life Cycle Assessment (LCA) of stabilised clay-based construction materials. <i>Applied Clay Science</i> , 2017, 144, 121-130.	5.2	53
18	Towards zero industrial waste: Utilisation of brick dust waste in sustainable construction. <i>Waste Management</i> , 2011, 31, 1867-1878.	7.4	48

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19	Alumina filler waste as clay replacement material for unfired brick production. <i>Engineering Geology</i> , 2013, 163, 68-74.	6.3	48
20	Strength development in concrete incorporating PFA and metakaolin. <i>Magazine of Concrete Research</i> , 2000, 52, 153-162.	2.0	44
21	Effects of mellowing sulfate-bearing clay soil stabilized with wastepaper sludge ash for road construction. <i>Engineering Geology</i> , 2011, 117, 170-179.	6.3	44
22	Performance of sodium silicate free geopolymers from metakaolin (MK) and Rice Husk Ash (RHA): Effect on tensile strength and microstructure. <i>Construction and Building Materials</i> , 2018, 189, 307-313.	7.2	43
23	Self-compensating autogenous shrinkage in Portland cement–metakaolin–fly ash pastes. <i>Advances in Cement Research</i> , 2000, 12, 35-43.	1.6	42
24	The development of unfired clay building material using Brick Dust Waste and Mercia mudstone clay. <i>Applied Clay Science</i> , 2014, 102, 148-154.	5.2	37
25	Using slag for unfired-clay masonry-bricks. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2008, 161, 147-155.	1.1	34
26	Utilisation of lime activated GGBS to reduce the deleterious effect of flooding on stabilised road structural materials: A laboratory simulation. <i>Engineering Geology</i> , 2011, 122, 334-338.	6.3	34
27	Using silica fume based activator in sustainable geopolymer binder for building application. <i>Construction and Building Materials</i> , 2021, 275, 122177.	7.2	34
28	Improving strength development of wastepaper sludge ash by wet-milling. <i>Cement and Concrete Composites</i> , 2006, 28, 144-152.	10.7	32
29	Improving hydraulic properties of lime–rice husk ash (RHA) binders with metakaolin (MK). <i>Construction and Building Materials</i> , 2011, 25, 2157-2161.	7.2	32
30	Developing unfired stabilised building materials in the UK. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2008, 161, 211-218.	0.7	30
31	Designed non-fired clay mixes for sustainable and low carbon use. <i>Applied Clay Science</i> , 2012, 59-60, 131-139.	5.2	30
32	Strength and environmental evaluation of stabilised Clay-PFA eco-friendly bricks. <i>Construction and Building Materials</i> , 2016, 125, 964-973.	7.2	28
33	Resistance of mortar containing unprocessed pulverised fuel ash (PFA) to sulphate attack. <i>Cement and Concrete Composites</i> , 2010, 32, 523-531.	10.7	25
34	Performance of interlocking laterite soil block walls under static loading. <i>Construction and Building Materials</i> , 2018, 171, 75-82.	7.2	22
35	SUSTAINABLE MEDIUM-STRENGTH CONCRETE (CS-CONCRETE) FROM COLLIERY SPOIL IN SOUTH WALES UK. <i>Journal of Civil Engineering and Management</i> , 2009, 15, 149-157.	3.5	21
36	Unfired clay bricks: from laboratory to industrial production. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2009, 162, 229-237.	0.7	15

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37	MODERN BUILDING MATERIALS AND THEIR INVESTIGATION METHODS. Journal of Civil Engineering and Management, 2009, 15, 129-130.	3.5	10
38	Characterisation of an unprocessed landfill ash for application in concrete. Journal of Environmental Management, 2010, 91, 2117-2125.	7.8	10
39	Strength and Swell Performance of High-Sulphate Kaolinite Clay Soil. Sustainability, 2020, 12, 10164.	3.2	10
40	Engineering properties of concrete made with slate waste. Proceedings of Institution of Civil Engineers: Construction Materials, 2010, 163, 131-142.	1.1	8
41	Community-based resilience building: normative meets narrative in Mbale, 2010/2011. Environmental Hazards, 2013, 12, 47-59.	2.5	8
42	Gender-Specific Combination HIV Prevention for Youth in High-Burden Settings: The MP3 Youth Observational Pilot Study Protocol. JMIR Research Protocols, 2017, 6, e22.	1.0	8
43	Unfired clay masonry bricks incorporating slate waste. Proceedings of Institution of Civil Engineers: Waste and Resource Management, 2010, 163, 17-27.	0.8	7
44	Compaction of fills involving stabilisation of expansive soils. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2011, 164, 113-126.	1.6	7
45	Sustainable masonry mortar for brick joint and plaster in the UK. Proceedings of Institution of Civil Engineers: Construction Materials, 2010, 163, 87-96.	1.1	6
46	Applications of slate waste material in the UK. Proceedings of Institution of Civil Engineers: Waste and Resource Management, 2010, 163, 9-15.	0.8	3
47	Wastepaper sludge ash. , 2018, , 289-321.		3
48	Optimization of MgO-GGBS Cementitious Systems Using Thermo-Chemical Approaches. Sustainability, 2021, 13, 9378.	3.2	3
49	Effect of Immobilizing Bacillus megaterium on the Compressive Strength and Water Absorption of Mortar. Journal of Chemistry, 2022, 2022, 1-12.	1.9	3
50	Towards the Development of Smart Sensors to Prevent the Failure of Concrete Infrastructure Components. Journal of Failure Analysis and Prevention, 2017, 17, 621-623.	0.9	2
51	The Strength Characterisation of Concrete Made with Alumina Waste Filler. Sustainability, 2020, 12, 10235.	3.2	2
52	Suppression of Sulfate-Induced Expansion with Lime-Silica Fume Blends. Materials, 2022, 15, 2821.	2.9	2
53	Development of stabilised brick and mortar using biomass waste. Proceedings of Institution of Civil Engineers: Construction Materials, 2015, 168, 241-250.	1.1	1
54	Problems Encountered in the Life Cycle Assessment (LCA) of Recycled Materials in Construction. Lecture Notes in Civil Engineering, 2018, , 48-64.	0.4	0

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55	Properties of high-density silica fume-based gel and its potential use in high-temperature lubricants and geopolymer binders. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 7693-7699.	3.6	0
56	Effects of <i>Lysinibacillus sphaericus</i> on Physicomechanical and Chemical Performance of OPC Blended with Natural Tuff and Pulverized Fly Ash. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-15.	1.8	0