

# 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	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
2	Suppression of Sulfate-Induced Expansion with Lime-Silica Fume Blends. <i>Materials</i> , 2022, 15, 2821.	2.9	2
3	Effect of Immobilizing <i>Bacillus megaterium</i> on the Compressive Strength and Water Absorption of Mortar. <i>Journal of Chemistry</i> , 2022, 2022, 1-12.	1.9	3
4	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
5	Using silica fume based activator in sustainable geopolymer binder for building application. <i>Construction and Building Materials</i> , 2021, 275, 122177.	7.2	34
6	Optimization of MgO-CGBS Cementitious Systems Using Thermo-Chemical Approaches. <i>Sustainability</i> , 2021, 13, 9378.	3.2	3
7	The Strength Characterisation of Concrete Made with Alumina Waste Filler. <i>Sustainability</i> , 2020, 12, 10235.	3.2	2
8	Strength and Swell Performance of High-Sulphate Kaolinite Clay Soil. <i>Sustainability</i> , 2020, 12, 10164.	3.2	10
9	Performance of interlocking laterite soil block walls under static loading. <i>Construction and Building Materials</i> , 2018, 171, 75-82.	7.2	22
10	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
11	Problems Encountered in the Life Cycle Assessment (LCA) of Recycled Materials in Construction. <i>Lecture Notes in Civil Engineering</i> , 2018, , 48-64.	0.4	0
12	Wastepaper sludge ash. , 2018, , 289-321.		3
13	Challenges in Life Cycle Assessment (LCA) of stabilised clay-based construction materials. <i>Applied Clay Science</i> , 2017, 144, 121-130.	5.2	53
14	Towards the Development of Smart Sensors to Prevent the Failure of Concrete Infrastructure Components. <i>Journal of Failure Analysis and Prevention</i> , 2017, 17, 621-623.	0.9	2
15	Gender-Specific Combination HIV Prevention for Youth in High-Burden Settings: The MP3 Youth Observational Pilot Study Protocol. <i>JMIR Research Protocols</i> , 2017, 6, e22.	1.0	8
16	Strength and environmental evaluation of stabilised Clay-PFA eco-friendly bricks. <i>Construction and Building Materials</i> , 2016, 125, 964-973.	7.2	28
17	Development of stabilised brick and mortar using biomass waste. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2015, 168, 241-250.	1.1	1
18	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

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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	Community-based resilience building: normative meets narrative in Mbale, 2010/2011. <i>Environmental Hazards</i> , 2013, 12, 47-59.	2.5	8
21	Stabilised unfired clay bricks for environmental and sustainable use. <i>Applied Clay Science</i> , 2012, 58, 52-59.	5.2	87
22	Designed non-fired clay mixes for sustainable and low carbon use. <i>Applied Clay Science</i> , 2012, 59-60, 131-139.	5.2	30
23	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
24	The use of stabilised Spanish clay soil for sustainable construction materials. <i>Engineering Geology</i> , 2012, 133-134, 9-15.	6.3	61
25	Compaction of fills involving stabilisation of expansive soils. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2011, 164, 113-126.	1.6	7
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	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
28	Improving hydraulic properties of limeâ€”rice husk ash (RHA) binders with metakaolin (MK). <i>Construction and Building Materials</i> , 2011, 25, 2157-2161.	7.2	32
29	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
30	Towards zero industrial waste: Utilisation of brick dust waste in sustainable construction. <i>Waste Management</i> , 2011, 31, 1867-1878.	7.4	48
31	Applications of slate waste material in the UK. <i>Proceedings of Institution of Civil Engineers: Waste and Resource Management</i> , 2010, 163, 9-15.	0.8	3
32	Engineering properties of concrete made with slate waste. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2010, 163, 131-142.	1.1	8
33	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
34	Unfired clay masonry bricks incorporating slate waste. <i>Proceedings of Institution of Civil Engineers: Waste and Resource Management</i> , 2010, 163, 17-27.	0.8	7
35	Sustainable masonry mortar for brick joint and plaster in the UK. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2010, 163, 87-96.	1.1	6
36	Characterisation of an unprocessed landfill ash for application in concrete. <i>Journal of Environmental Management</i> , 2010, 91, 2117-2125.	7.8	10

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37	Design thermal values for unfired clay bricks. <i>Materials &amp; Design</i> , 2010, 31, 104-112.	5.1	59
38	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
39	MODERN BUILDING MATERIALS AND THEIR INVESTIGATION METHODS. <i>Journal of Civil Engineering and Management</i> , 2009, 15, 129-130.	3.5	10
40	Engineering properties of unfired clay masonry bricks. <i>Engineering Geology</i> , 2009, 107, 130-139.	6.3	172
41	Compressive strength and microstructural analysis of unfired clay masonry bricks. <i>Engineering Geology</i> , 2009, 109, 230-240.	6.3	94
42	Sustainable construction: Composite use of tyres and ash in concrete. <i>Waste Management</i> , 2009, 29, 360-367.	7.4	70
43	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
44	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
45	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
46	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
47	Using slag for unfired-clay masonry-bricks. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2008, 161, 147-155.	1.1	34
48	Improving strength development of wastepaper sludge ash by wet-milling. <i>Cement and Concrete Composites</i> , 2006, 28, 144-152.	10.7	32
49	Compressive strength and hydration of wastepaper sludge ash+ground granulated blastfurnace slag blended pastes. <i>Cement and Concrete Research</i> , 2003, 33, 1189-1202.	11.0	117
50	Strength development in concrete incorporating PFA and metakaolin. <i>Magazine of Concrete Research</i> , 2000, 52, 153-162.	2.0	44
51	Self-compensating autogenous shrinkage in Portland cement+metakaolin+fly ash pastes. <i>Advances in Cement Research</i> , 2000, 12, 35-43.	1.6	42
52	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
53	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
54	Workability of concrete incorporating pulverized fuel ash and metakaolin. <i>Magazine of Concrete Research</i> , 1999, 51, 207-216.	2.0	57

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55	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
56	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