

# U Johnson Alengaram

## List of Publications by Year in descending order

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162  
papers

8,860  
citations

34493

54  
h-index

54771

88  
g-index

164  
all docs

164  
docs citations

164  
times ranked

5582  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between microstructure and performance of polypropylene fibre reinforced cement composites subjected to elevated temperature. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 1792-1806.	1.0	9
2	Influence of mineral admixtures on the residual mechanical properties and durability characteristics of self-compacting concrete subjected to high temperature. <i>Australian Journal of Civil Engineering</i> , 2022, 20, 244-260.	0.6	9
3	Performance evaluation of cellular lightweight concrete using palm oil industrial waste as cement and fine aggregate replacement materials. <i>Materials Today: Proceedings</i> , 2022, 52, 902-910.	0.9	7
4	Engineering performance of sustainable geopolymer foamed and non-foamed concretes. <i>Construction and Building Materials</i> , 2022, 316, 125601.	3.2	23
5	Towards sustainable construction through the application of low carbon footprint products. <i>Materials Today: Proceedings</i> , 2022, 52, 873-881.	0.9	7
6	Densification of copper oxide doped alumina toughened zirconia by conventional sintering. <i>Ceramics International</i> , 2022, 48, 6287-6293.	2.3	8
7	Enunciation of embryonic palm oil clinker based geopolymer concrete and its engineering properties. <i>Construction and Building Materials</i> , 2022, 318, 125975.	3.2	8
8	Impacts of polyvinyl alcohol and basalt fibres on green fly ash cenosphere lightweight cementitious composite. <i>Materials Today: Proceedings</i> , 2022, 61, 512-516.	0.9	2
9	Valorization of industrial byproducts and wastes as sustainable construction materials. , 2022, , 23-43.		4
10	Enunciation of lightweight and self-compacting concretes using non-conventional materials. , 2022, , 45-62.		0
11	Exemplification of sustainable sodium silicate waste sediments as coarse aggregates in the performance evaluation of geopolymer concrete. <i>Construction and Building Materials</i> , 2022, 330, 127135.	3.2	33
12	The Potential of Geopolymer in Development of Green Coating Materials: A Review. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 12289-12299.	1.7	2
13	Effect of particle size and CO <sub>2</sub> treatment of waste cement powder on properties of cement paste. <i>Canadian Journal of Civil Engineering</i> , 2021, 48, 522-531.	0.7	54
14	Alkali-silica reactivity of lightweight aggregate: A brief overview. <i>Construction and Building Materials</i> , 2021, 270, 121444.	3.2	13
15	Eco-mechanical performance of binary and ternary cement blends containing fly ash and slag. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2021, 174, 23-36.	0.4	13
16	Synthesis of sustainable lightweight foamed concrete using palm oil fuel ash as a cement replacement material. <i>Journal of Building Engineering</i> , 2021, 35, 102047.	1.6	30
17	Lightweight foamed concrete as a promising avenue for incorporating waste materials: A review. <i>Resources, Conservation and Recycling</i> , 2021, 164, 105103.	5.3	126
18	Performance Evaluation of Engineering Properties, Radiation Shielding, and Sustainability of Hollow Masonry Blocks Produced Using a High Volume of Industrial By-Products. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, 04021003.	1.3	3

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19	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.	2.7	16
20	Flexural Performance of RC Beams Strengthened with Externally-Side Bonded Reinforcement (E-SBR) Technique Using CFRP Composites. Materials, 2021, 14, 2809.	1.3	9
21	Reactivity Effect of Calcium Carbonate on the Formation of Carboaluminate Phases in Ground Granulated Blast Furnace Slag Blended Cements. Sustainability, 2021, 13, 6504.	1.6	13
22	Chemo-physico-mechanical characteristics of high-strength alkali-activated mortar containing non-traditional supplementary cementitious materials. Journal of Building Engineering, 2021, 44, 103368.	1.6	6
23	Structural performance of masonry prisms, wallettes and walls containing high volume of industrial by-products “ Sustainable housing perspective. Construction and Building Materials, 2021, 303, 124439.	3.2	3
24	Towards an energy efficient cement composite incorporating silica aerogel: A state of the art review. Journal of Building Engineering, 2021, 44, 103227.	1.6	13
25	Evaluation of crack healing potential of cement mortar incorporated with blue-green microalgae. Journal of Building Engineering, 2021, 44, 102958.	1.6	11
26	Enunciation of size effect of sustainable palm oil clinker sand on the characteristics of cement and geopolymer mortars. Journal of Building Engineering, 2021, 44, 103335.	1.6	8
27	Novel masonry grout incorporating high volumes of industrial by-products: microstructure characteristics and pursuance of durability properties. Architecture, Structures and Construction, 2021, 1, 125-142.	0.7	0
28	Eco-Friendly Masonry Products for Affordable Housing“Perspective of Positive Social Impact. , 2021, , 1-11.		0
29	High calcium fly ash geopolymer for application in textile reinforced mortar. AIP Conference Proceedings, 2021, , .	0.3	0
30	COMBINING EBR CFRP SHEET WITH PRESTRESSED NSM STEEL STRANDS TO ENHANCE THE STRUCTURAL BEHAVIOR OF PRESTRESSED CONCRETE BEAMS. Journal of Civil Engineering and Management, 2021, 27, 637-650.	1.9	1
31	Investigation of structural characteristics of palm oil clinker based high-strength lightweight concrete comprising steel fibers. Journal of Materials Research and Technology, 2021, 15, 6736-6746.	2.6	23
32	Waste press mud in enhancing the performance of glass powder blended cement. Construction and Building Materials, 2021, 313, 125469.	3.2	7
33	Parametric study for concrete cover separation failure of retrofitted SNSM strengthened RC beams. Mechanics of Advanced Materials and Structures, 2020, 27, 481-492.	1.5	3
34	Combination Effect of Limestone Filler and Slag on Delayed Ettringite Formation in Heat-Cured Mortar. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	6
35	Effect of bonding materials on the flexural improvement in RC beams strengthened with SNSM technique using GFRP bars. Journal of Building Engineering, 2020, 32, 101777.	1.6	5
36	Performance evaluation of palm oil clinker sand as replacement for conventional sand in geopolymer mortar. Construction and Building Materials, 2020, 258, 120352.	3.2	29

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37	Mechanical strength and permeation properties of high calcium fly ash-based geopolymer containing recycled brick powder. <i>Journal of Building Engineering</i> , 2020, 32, 101655.	1.6	39
38	Viability of agricultural wastes as substitute of natural aggregate in concrete: A review on the durability-related properties. <i>Journal of Cleaner Production</i> , 2020, 275, 123062.	4.6	41
39	Volume based design approach for sustainable palm oil clinker as whole replacement for conventional sand in mortar. <i>Journal of Building Engineering</i> , 2020, 32, 101660.	1.6	7
40	Effects of sintering additives on the densification and properties of alumina-toughened zirconia ceramic composites. <i>Ceramics International</i> , 2020, 46, 27539-27549.	2.3	26
41	Study on the use of lightweight expanded perlite and vermiculite aggregates in blended cement mortars. <i>European Journal of Environmental and Civil Engineering</i> , 2020, , 1-20.	1.0	9
42	Fire resistance performance of composite coating with geopolymer-based bio-fillers for lightweight panel application. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49558.	1.3	17
43	Sound absorption performance of modified concrete: A review. <i>Journal of Building Engineering</i> , 2020, 30, 101219.	1.6	39
44	Low Carbon Geopolymer Hollow Block – Mix Design, Casting and Strength Comparison with OPC Hollow Block. <i>Lecture Notes in Civil Engineering</i> , 2020, , 959-971.	0.3	0
45	Sustainable palm oil fuel ash mortar used as partial adhesive replacement in flexurally strengthened RC beams. <i>Construction and Building Materials</i> , 2019, 226, 507-523.	3.2	9
46	Structural performance of lightweight concrete beams strengthened with side-externally bonded reinforcement (S-EBR) technique using CFRP fabrics. <i>Composites Part B: Engineering</i> , 2019, 176, 107323.	5.9	17
47	Microstructural and Strength Characteristics of High-Strength Mortar Using Nontraditional Supplementary Cementitious Materials. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	1.3	23
48	Influence of fibers on bond strength of concrete exposed to elevated temperature. <i>Journal of Adhesion Science and Technology</i> , 2019, 33, 1521-1543.	1.4	21
49	Performance evaluation of masonry grout containing high volume of palm oil industry by-products. <i>Journal of Cleaner Production</i> , 2019, 220, 1202-1214.	4.6	25
50	Enhancement of high temperature performance of cement blocks via CO2 curing. <i>Science of the Total Environment</i> , 2019, 671, 827-837.	3.9	45
51	Strength, Carbon Footprint and Cost Considerations of Mortar Blends with High Volume Ground Granulated Blast Furnace Slag. <i>Sustainability</i> , 2019, 11, 7194.	1.6	30
52	Sintering behaviour and properties of manganese-doped alumina. <i>Ceramics International</i> , 2019, 45, 7049-7054.	2.3	39
53	Effect of multi-ions doping on the properties of carbonated hydroxyapatite bioceramic. <i>Ceramics International</i> , 2019, 45, 3473-3477.	2.3	57
54	Ductility behaviours of oil palm shell steel fibre-reinforced concrete beams under flexural loading. <i>European Journal of Environmental and Civil Engineering</i> , 2019, 23, 866-878.	1.0	11

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55	Effect of Polypropylene Fibres on the Thermal Conductivity of Lightweight Foamed Concrete. MATEC Web of Conferences, 2018, 150, 03008.	0.1	19
56	Characterization of pervious concrete with blended natural aggregate and recycled concrete aggregates. Journal of Cleaner Production, 2018, 181, 155-165.	4.6	112
57	CFRP strips for enhancing flexural performance of RC beams by SNSM strengthening technique. Construction and Building Materials, 2018, 165, 28-44.	3.2	40
58	Effect of aggressive chemicals on durability and microstructure properties of concrete containing crushed new concrete aggregate and non-traditional supplementary cementitious materials. Construction and Building Materials, 2018, 163, 482-495.	3.2	62
59	High volume cement replacement by environmental friendly industrial by-product palm oil clinker powder in cement " lime masonry mortar. Journal of Cleaner Production, 2018, 190, 272-284.	4.6	64
60	Properties of metakaolin-blended oil palm shell lightweight concrete. European Journal of Environmental and Civil Engineering, 2018, 22, 852-868.	1.0	22
61	Valorization of Wastes from Power Plant, Steel-Making and Palm Oil Industries as Partial Sand Substitute in Concrete. Waste and Biomass Valorization, 2018, 9, 1645-1654.	1.8	14
62	Bond strength evaluation of palm oil fuel ash-based geopolymer normal weight and lightweight concretes with steel reinforcement. Journal of Adhesion Science and Technology, 2018, 32, 19-35.	1.4	16
63	Recycling of seashell waste in concrete: A review. Construction and Building Materials, 2018, 162, 751-764.	3.2	177
64	Influence of palm oil clinker powder on the fresh and mechanical properties of masonry mortars. IOP Conference Series: Materials Science and Engineering, 2018, 431, 082002.	0.3	6
65	Effect of binder content and water-binder ratio in mortar developed using partial replacement of cement with palm oil clinker powder. IOP Conference Series: Materials Science and Engineering, 2018, 431, 082007.	0.3	2
66	Finite element analysis of rectangular reinforced concrete columns wrapped with FRP composites. IOP Conference Series: Materials Science and Engineering, 2018, 431, 072005.	0.3	1
67	Behaviour of fibre-reinforced cementitious composite containing high-volume fly ash at elevated temperatures. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	0.8	6
68	Microstructural investigation and durability performance of high volume industrial by-products-based masonry mortars. Construction and Building Materials, 2018, 189, 906-923.	3.2	13
69	Simulating Intermediate Crack Debonding on RC Beams Strengthened with Hybrid Methods. Latin American Journal of Solids and Structures, 2018, 15, .	0.6	6
70	Assessment on engineering properties and CO2 emissions of recycled aggregate concrete incorporating waste products as supplements to Portland cement. Journal of Cleaner Production, 2018, 203, 822-835.	4.6	138
71	Potential use of brick waste as alternate concrete-making materials: A review. Journal of Cleaner Production, 2018, 195, 226-239.	4.6	154
72	Effect of microwave sintering on the properties of copper oxide doped Y-TZP ceramics. Ceramics International, 2018, 44, 19639-19645.	2.3	16

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73	A review on microstructural study and compressive strength of geopolymer mortar, paste and concrete. <i>Construction and Building Materials</i> , 2018, 186, 550-576.	3.2	202
74	Recycling of wastes for value-added applications in concrete blocks: An overview. <i>Resources, Conservation and Recycling</i> , 2018, 138, 298-312.	5.3	138
75	Incorporation of expanded vermiculite lightweight aggregate in cement mortar. <i>Construction and Building Materials</i> , 2018, 179, 302-306.	3.2	63
76	Feasibility study on the use of high volume palm oil clinker waste in environmental friendly lightweight concrete. <i>Construction and Building Materials</i> , 2017, 135, 94-103.	3.2	55
77	Overview of supplementary cementitious materials usage in lightweight aggregate concrete. <i>Construction and Building Materials</i> , 2017, 139, 403-418.	3.2	81
78	Influence of source materials and the role of oxide composition on the performance of ternary blended sustainable geopolymer mortar. <i>Construction and Building Materials</i> , 2017, 144, 608-623.	3.2	41
79	Incorporation of nano-materials in cement composite and geopolymer based paste and mortar – A review. <i>Construction and Building Materials</i> , 2017, 148, 62-84.	3.2	209
80	Shear behaviour and mechanical properties of steel fibre-reinforced cement-based and geopolymer oil palm shell lightweight aggregate concrete. <i>Construction and Building Materials</i> , 2017, 148, 369-375.	3.2	46
81	Performance evaluation and some durability characteristics of environmental friendly palm oil clinker based geopolymer concrete. <i>Journal of Cleaner Production</i> , 2017, 161, 477-492.	4.6	71
82	Influence of steel fibers on the mechanical properties and impact resistance of lightweight geopolymer concrete. <i>Construction and Building Materials</i> , 2017, 152, 964-977.	3.2	91
83	Thermal conductivity, compressive and residual strength evaluation of polymer fibre-reinforced high volume palm oil fuel ash blended mortar. <i>Construction and Building Materials</i> , 2017, 130, 113-121.	3.2	40
84	Mechanical, toughness, bond and durability-related properties of lightweight concrete reinforced with steel fibres. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	1.3	33
85	Evaluation of Industrial By-Products as Sustainable Pozzolanic Materials in Recycled Aggregate Concrete. <i>Sustainability</i> , 2017, 9, 767.	1.6	58
86	Glass Fiber Reinforced Polymer (GFRP) Bars for Enhancing the Flexural Performance of RC Beams Using Side-NSM Technique. <i>Polymers</i> , 2017, 9, 180.	2.0	30
87	Influence of polypropylene fibres on the tensile strength and thermal properties of various densities of foamed concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 271, 012058.	0.3	12
88	High strength oil palm shell concrete beams reinforced with steel fibres. <i>Materiales De Construccion</i> , 2017, 67, 142.	0.2	11
89	Near Surface Mounted Composites for Flexural Strengthening of Reinforced Concrete Beams. <i>Polymers</i> , 2016, 8, 67.	2.0	23
90	A Comprehensive Study of the Polypropylene Fiber Reinforced Fly Ash Based Geopolymer. <i>PLoS ONE</i> , 2016, 11, e0147546.	1.1	118

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91	Influences of the volume fraction and shape of steel fibers on fiber-reinforced concrete subjected to dynamic loading – A review. <i>Engineering Structures</i> , 2016, 124, 405-417.	2.6	108
92	Microstructural investigations of palm oil fuel ash and fly ash based binders in lightweight aggregate foamed geopolymer concrete. <i>Construction and Building Materials</i> , 2016, 120, 112-122.	3.2	96
93	Structural performance of reinforced geopolymer concrete members: A review. <i>Construction and Building Materials</i> , 2016, 120, 251-264.	3.2	113
94	A new sustainable composite column using an agricultural solid waste as aggregate. <i>Journal of Cleaner Production</i> , 2016, 129, 282-291.	4.6	20
95	Response of oil palm shell concrete slabs subjected to quasi-static and blast loads. <i>Construction and Building Materials</i> , 2016, 116, 391-402.	3.2	38
96	Fracture evaluation of multi-layered precast reinforced geopolymer-concrete composite beams by incorporating acoustic emission into mechanical analysis. <i>Construction and Building Materials</i> , 2016, 127, 274-283.	3.2	30
97	Durability properties of sustainable concrete containing high volume palm oil waste materials. <i>Journal of Cleaner Production</i> , 2016, 137, 167-177.	4.6	87
98	Bond stress-slip relationship of oil palm shell lightweight concrete. <i>Engineering Structures</i> , 2016, 127, 319-330.	2.6	25
99	Prestressing of NSM steel strands to enhance the structural performance of prestressed concrete beams. <i>Construction and Building Materials</i> , 2016, 129, 289-301.	3.2	28
100	Engineering properties of lightweight aggregate concrete containing limestone powder and high volume fly ash. <i>Journal of Cleaner Production</i> , 2016, 135, 148-157.	4.6	106
101	Material and structural properties of waste-oil palm shell concrete incorporating ground granulated blast-furnace slag reinforced with low-volume steel fibres. <i>Journal of Cleaner Production</i> , 2016, 133, 414-426.	4.6	40
102	Green concrete partially comprised of farming waste residues: a review. <i>Journal of Cleaner Production</i> , 2016, 117, 122-138.	4.6	171
103	Torsional and cracking characteristics of steel fiber-reinforced oil palm shell lightweight concrete. <i>Journal of Composite Materials</i> , 2016, 50, 115-128.	1.2	21
104	Prediction of the structural behaviour of oil palm shell lightweight concrete beams. <i>Construction and Building Materials</i> , 2016, 102, 722-732.	3.2	23
105	Development of Sustainable Geopolymer Mortar using Industrial Waste Materials. <i>Materials Today: Proceedings</i> , 2016, 3, 125-129.	0.9	18
106	Pitch spacing effect on the axial compressive behaviour of spirally reinforced concrete-filled steel tube (SRCFT). <i>Thin-Walled Structures</i> , 2016, 100, 213-223.	2.7	34
107	Estimating building energy consumption using extreme learning machine method. <i>Energy</i> , 2016, 97, 506-516.	4.5	153
108	Engineering properties and fracture behaviour of high volume palm oil fuel ash based fibre reinforced geopolymer concrete. <i>Construction and Building Materials</i> , 2016, 111, 286-297.	3.2	97

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109	Bond properties of lightweight concrete – A review. <i>Construction and Building Materials</i> , 2016, 112, 478-496.	3.2	67
110	High tensile strength fly ash based geopolymer composite using copper coated micro steel fiber. <i>Construction and Building Materials</i> , 2016, 112, 629-638.	3.2	116
111	Mechanical and fresh properties of sustainable oil palm shell lightweight concrete incorporating palm oil fuel ash. <i>Journal of Cleaner Production</i> , 2016, 115, 307-314.	4.6	132
112	Application of adaptive neuro-fuzzy methodology for estimating building energy consumption. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 1520-1528.	8.2	50
113	Performance evaluation of palm oil clinker as coarse aggregate in high strength lightweight concrete. <i>Journal of Cleaner Production</i> , 2016, 112, 566-574.	4.6	82
114	Assessing some durability properties of sustainable lightweight oil palm shell concrete incorporating slag and manufactured sand. <i>Journal of Cleaner Production</i> , 2016, 112, 763-770.	4.6	69
115	Influence of Molarity and Chemical Composition on the Development of Compressive Strength in POFA Based Geopolymer Mortar. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-15.	1.0	42
116	THE EFFECT OF ASPECT RATIO AND VOLUME FRACTION ON MECHANICAL PROPERTIES OF STEEL FIBRE-REINFORCED OIL PALM SHELL CONCRETE. <i>Journal of Civil Engineering and Management</i> , 2015, 22, 168-177.	1.9	14
117	Engineering properties and carbon footprint of ground granulated blast-furnace slag-palm oil fuel ash-based structural geopolymer concrete. <i>Construction and Building Materials</i> , 2015, 101, 503-521.	3.2	119
118	Experimental Investigation on the Properties of Lightweight Concrete Containing Waste Oil Palm Shell Aggregate. <i>Procedia Engineering</i> , 2015, 125, 587-593.	1.2	23
119	Feasibility study of high volume slag as cement replacement for sustainable structural lightweight oil palm shell concrete. <i>Journal of Cleaner Production</i> , 2015, 91, 297-304.	4.6	88
120	Enhancement of the mechanical properties of lightweight oil palm shell concrete using rice husk ash and manufactured sand. <i>Journal of Zhejiang University: Science A</i> , 2015, 16, 59-69.	1.3	63
121	Contribution of acrylic fibre addition and ground granulated blast furnace slag on the properties of lightweight concrete. <i>Construction and Building Materials</i> , 2015, 95, 686-695.	3.2	32
122	Compressive Behaviour of Polyacrylonitrile Fibre Reinforced Lightweight Aggregate Concrete Composite. <i>Advanced Materials Research</i> , 2015, 1115, 188-191.	0.3	0
123	Compressive behaviour of lightweight oil palm shell concrete incorporating slag. <i>Construction and Building Materials</i> , 2015, 94, 263-269.	3.2	24
124	Effect of fibre aspect ratio on the torsional behaviour of steel fibre-reinforced normal weight concrete and lightweight concrete. <i>Engineering Structures</i> , 2015, 101, 24-33.	2.6	32
125	Graphene nanoplatelet-fly ash based geopolymer composites. <i>Cement and Concrete Research</i> , 2015, 76, 222-231.	4.6	250
126	Influence of lightweight aggregate on the bond properties of concrete with various strength grades. <i>Construction and Building Materials</i> , 2015, 84, 377-386.	3.2	48



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127	Torsional behaviour of steel fibre-reinforced oil palm shell concrete beams. <i>Materials and Design</i> , 2015, 87, 854-862.	3.3	11
128	Characteristics of palm oil clinker as replacement for oil palm shell in lightweight concrete subjected to elevated temperature. <i>Construction and Building Materials</i> , 2015, 101, 942-951.	3.2	55
129	Utilization of ground granulated blast furnace slag as partial cement replacement in lightweight oil palm shell concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015, 48, 2545-2556.	1.3	49
130	The Effect of Different Parameters on the Development of Compressive Strength of Oil Palm Shell Geopolymer Concrete. <i>Scientific World Journal</i> , The, 2014, 2014, 1-16.	0.8	32
131	The Effect of Variation of Molarity of Alkali Activator and Fine Aggregate Content on the Compressive Strength of the Fly Ash: Palm Oil Fuel Ash Based Geopolymer Mortar. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-13.	1.0	46
132	Size-Dependent Stress-Strain Model for Unconfined Concrete. <i>Journal of Structural Engineering</i> , 2014, 140, .	1.7	50
133	A Review on the Use of Agriculture Waste Material as Lightweight Aggregate for Reinforced Concrete Structural Members. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-9.	1.0	31
134	Utilization of Palm Oil Fuel Ash as Binder in Lightweight Oil Palm Shell Geopolymer Concrete. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-6.	1.0	28
135	The effect of steel fibres on the enhancement of flexural and compressive toughness and fracture characteristics of oil palm shell concrete. <i>Construction and Building Materials</i> , 2014, 55, 20-28.	3.2	77
136	Compressive strength and microstructural analysis of fly ash/palm oil fuel ash based geopolymer mortar. <i>Materials &amp; Design</i> , 2014, 59, 532-539.	5.1	174
137	The use of wire meshâ€“epoxy composite for enhancing the flexural performance of concrete beams. <i>Materials &amp; Design</i> , 2014, 60, 250-259.	5.1	43
138	Compressive strength and microstructural analysis of fly ash/palm oil fuel ash based geopolymer mortar under elevated temperatures. <i>Construction and Building Materials</i> , 2014, 65, 114-121.	3.2	257
139	Impact resistance of hybrid fibre-reinforced oil palm shell concrete. <i>Construction and Building Materials</i> , 2014, 50, 499-507.	3.2	99
140	Flexural toughness characteristics of steelâ€“polypropylene hybrid fibre-reinforced oil palm shell concrete. <i>Materials &amp; Design</i> , 2014, 57, 652-659.	5.1	128
141	Evaluation of thermal conductivity, mechanical and transport properties of lightweight aggregate foamed geopolymer concrete. <i>Energy and Buildings</i> , 2014, 72, 238-245.	3.1	307
142	The development of compressive strength of ground granulated blast furnace slag-palm oil fuel ash-fly ash based geopolymer mortar. <i>Materials &amp; Design</i> , 2014, 56, 833-841.	5.1	226
143	Palm Oil Fuel Ash as a Partial Cement Replacement for Producing Durable Self-consolidating High-Strength Concrete. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 8507-8516.	1.1	38
144	Structure, energy and cost efficiency evaluation of three different lightweight construction systems used in low-rise residential buildings. <i>Energy and Buildings</i> , 2014, 84, 727-739.	3.1	28

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145	The relationship between interlocking mechanism and bond strength in elastic and inelastic segment of splice sleeve. <i>Construction and Building Materials</i> , 2014, 55, 227-237.	3.2	111
146	Oil palm shell lightweight concrete containing high volume ground granulated blast furnace slag. <i>Construction and Building Materials</i> , 2013, 40, 231-238.	3.2	85
147	Mix design for fly ash based oil palm shell geopolymer lightweight concrete. <i>Construction and Building Materials</i> , 2013, 43, 490-496.	3.2	85
148	A comparison of the thermal conductivity of oil palm shell foamed concrete with conventional materials. <i>Materials &amp; Design</i> , 2013, 51, 522-529.	5.1	130
149	Engineering properties of oil palm shell lightweight concrete containing fly ash. <i>Materials &amp; Design</i> , 2013, 49, 613-621.	5.1	98
150	Enhancement of mechanical properties in polypropylene and nylon fibre reinforced oil palm shell concrete. <i>Materials &amp; Design</i> , 2013, 49, 1034-1041.	5.1	186
151	Utilization of oil palm kernel shell as lightweight aggregate in concrete – A review. <i>Construction and Building Materials</i> , 2013, 38, 161-172.	3.2	211
152	USE OF RECYCLED CONCRETE AGGREGATE IN CONCRETE: A REVIEW. <i>Journal of Civil Engineering and Management</i> , 2013, 19, 796-810.	1.9	119
153	Properties of high-workability concrete with recycled concrete aggregate. <i>Materials Research</i> , 2011, 14, 248-255.	0.6	102
154	A new method of producing high strength oil palm shell lightweight concrete. <i>Materials &amp; Design</i> , 2011, 32, 4839-4843.	5.1	107
155	Shear behaviour of reinforced palm kernel shell concrete beams. <i>Construction and Building Materials</i> , 2011, 25, 2918-2927.	3.2	74
156	Enhancement and prediction of modulus of elasticity of palm kernel shell concrete. <i>Materials &amp; Design</i> , 2011, 32, 2143-2148.	5.1	114
157	Development of lightweight concrete using industrial waste material, palm kernel shell as lightweight aggregate and its properties. , 2010, , .		7
158	Shear strength of oil palm shell foamed concrete beams. <i>Materials &amp; Design</i> , 2009, 30, 2227-2236.	5.1	66
159	Influence of Sand/Cement Ratio on Mechanical Properties of Palm Kernel Shell Concrete. <i>Journal of Applied Sciences</i> , 2009, 9, 1764-1769.	0.1	37
160	Influence of Cementitious Materials and Aggregates Content on Compressive Strength of Palm Kernel Shell Concrete. <i>Journal of Applied Sciences</i> , 2008, 8, 3207-3213.	0.1	19
161	The Effect of Palm Oil Fuel Ash as a Cement replacement Material on Self-Compacting Concrete. <i>Applied Mechanics and Materials</i> , 0, 567, 529-534.	0.2	5
162	Flexural Behaviour of Concrete Beams Bonded with Wire Mesh-Epoxy Composite. <i>Applied Mechanics and Materials</i> , 0, 567, 411-416.	0.2	5