# U Johnson Alengaram

List of Publications by Year
in descending order



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|---|---|---|---|
| 162 papers | 8,860 citations | 30070 54 h-index | 48315 88 g-index |
| 164 all docs | 164 docs citations | 164 times ranked | 5026 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Relationship between microstructure and performance of polypropylene fibre reinforced cement composites subjected to elevated temperature. European Journal of Environmental and Civil Engineering, 2022, 26, 1792-1806. | 2.1 | 9 |
| 2 | Influence of mineral admixtures on the residual mechanical properties and durability characteristics of self-compacting concrete subjected to high temperature. Australian Journal of Civil Engineering, 2022, 20, 244-260. | 1.6 | 9 |
| 3 | Performance evaluation of cellular lightweight concrete using palm oil industrial waste as cement and fine aggregate replacement materials. Materials Today: Proceedings, 2022, 52, 902-910. | 1.8 | 7 |
| 4 | Engineering performance of sustainable geopolymer foamed and non-foamed concretes. Construction and Building Materials, 2022, 316, 125601. | 7.2 | 23 |
| 5 | Towards sustainable construction through the application of low carbon footprint products. Materials Today: Proceedings, 2022, 52, 873-881. | 1.8 | 7 |
| 6 | Densification of copper oxide doped alumina toughened zirconia by conventional sintering. Ceramics International, 2022, 48, 6287-6293. | 4.8 | 8 |
| 7 | Enunciation of embryonic palm oil clinker based geopolymer concrete and its engineering properties. Construction and Building Materials, 2022, 318, 125975. | 7.2 | 8 |
| 8 | Impacts of polyvinyl alcohol and basalt fibres on green fly ash cenosphere lightweight cementitious composite. Materials Today: Proceedings, 2022, 61, 512-516. | 1.8 | 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. Construction and Building Materials, 2022, 330, 127135. | 7.2 | 33 |
| 12 | The Potential of Geopolymer in Development of Green Coating Materials: A Review. Arabian Journal for Science and Engineering, 2022, 47, 12289-12299. | 3.0 | 2 |
| 13 | Effect of particle size and CO<sub>2</sub> treatment of waste cement powder on properties of cement paste. Canadian Journal of Civil Engineering, 2021, 48, 522-531. | 1.3 | 54 |
| 14 | Alkali-silica reactivity of lightweight aggregate: A brief overview. Construction and Building Materials, 2021, 270, 121444. | 7.2 | 13 |
| 15 | Eco-mechanical performance of binary and ternary cement blends containing fly ash and slag. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2021, 174, 23-36. | 0.7 | 13 |
| 16 | Synthesis of sustainable lightweight foamed concrete using palm oil fuel ash as a cement replacement material. Journal of Building Engineering, 2021, 35, 102047. | 3.4 | 30 |
| 17 | Lightweight foamed concrete as a promising avenue for incorporating waste materials: A review. Resources, Conservation and Recycling, 2021, 164, 105103. | 10.8 | 126 |
| 18 | Performance Evaluation of Engineering Properties, Radiation Shielding, and Sustainability of Hollow Masonry Blocks Produced Using a High Volume of Industrial By-Products. Journal of Materials in Civil Engineering, 2021, 33, 04021003. | 2.9 | 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. | 5.3 | 16 |
| 20 | Flexural Performance of RC Beams Strengthened with Externally-Side Bonded Reinforcement (E-SBR) Technique Using CFRP Composites. Materials, 2021, 14, 2809. | 2.9 | 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. | 3.2 | 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. | 3.4 | 6 |
| 23 | Structural performance of masonry prisms, wallettes and walls containing high volume of industrial by-products â€“ Sustainable housing perspective. Construction and Building Materials, 2021, 303, 124439. | 7.2 | 3 |
| 24 | Towards an energy efficient cement composite incorporating silica aerogel: A state of the art review. Journal of Building Engineering, 2021, 44, 103227. | 3.4 | 13 |
| 25 | Evaluation of crack healing potential of cement mortar incorporated with blue-green microalgae. Journal of Building Engineering, 2021, 44, 102958. | 3.4 | 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. | 3.4 | 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. | 1.5 | 0 |
| 28 | Eco-Friendly Masonry Products for Affordable Housingâ€"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, , . | 0.4 | 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. | 3.5 | 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. | 5.8 | 23 |
| 32 | Waste press mud in enhancing the performance of glass powder blended cement. Construction and Building Materials, 2021, 313, 125469. | 7.2 | 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. | 2.6 | 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, . | 2.9 | 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. | 3.4 | 5 |
| 36 | Performance evaluation of palm oil clinker sand as replacement for conventional sand in geopolymer mortar. Construction and Building Materials, 2020, 258, 120352. | 7.2 | 29 |

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| 37 | Mechanical strength and permeation properties of high calcium fly ash-based geopolymer containing recycled brick powder. Journal of Building Engineering, 2020, 32, 101655. | 3.4 | 39 |
| 38 | Viability of agricultural wastes as substitute of natural aggregate in concrete: A review on the durability-related properties. Journal of Cleaner Production, 2020, 275, 123062. | 9.3 | 41 |
| 39 | Volume based design approach for sustainable palm oil clinker as whole replacement for conventional sand in mortar. Journal of Building Engineering, 2020, 32, 101660. | 3.4 | 7 |
| 40 | Effects of sintering additives on the densification and properties of alumina-toughened zirconia ceramic composites. Ceramics International, 2020, 46, 27539-27549. | 4.8 | 26 |
| 41 | Study on the use of lightweight expanded perlite and vermiculite aggregates in blended cement mortars. European Journal of Environmental and Civil Engineering, 2020, , 1-20. | 2.1 | 9 |
| 42 | Fire resistance performance of composite coating with geopolymerâ€based bioâ€fillers for lightweight panel application. Journal of Applied Polymer Science, 2020, 137, 49558. | 2.6 | 17 |
| 43 | Sound absorption performance of modified concrete: A review. Journal of Building Engineering, 2020, 30, 101219. | 3.4 | 39 |
| 44 | Low Carbon Geopolymer Hollow Blockâ€"Mix Design, Casting and Strength Comparison with OPC Hollow Block. Lecture Notes in Civil Engineering, 2020, , 959-971. | 0.4 | 0 |
| 45 | Sustainable palm oil fuel ash mortar used as partial adhesive replacement in flexurally strengthened RC beams. Construction and Building Materials, 2019, 226, 507-523. | 7.2 | 9 |
| 46 | Structural performance of lightweight concrete beams strengthened with side-externally bonded reinforcement (S-EBR) technique using CFRP fabrics. Composites Part B: Engineering, 2019, 176, 107323. | 12.0 | 17 |
| 47 | Microstructural and Strength Characteristics of High-Strength Mortar Using Nontraditional Supplementary Cementitious Materials. Journal of Materials in Civil Engineering, 2019, 31, . | 2.9 | 23 |
| 48 | Influence of fibers on bond strength of concrete exposed to elevated temperature. Journal of Adhesion Science and Technology, 2019, 33, 1521-1543. | 2.6 | 21 |
| 49 | Performance evaluation of masonry grout containing high volume of palm oil industry by-products. Journal of Cleaner Production, 2019, 220, 1202-1214. | 9.3 | 25 |
| 50 | Enhancement of high temperature performance of cement blocks via CO2 curing. Science of the Total Environment, 2019, 671, 827-837. | 8.0 | 45 |
| 51 | Strength, Carbon Footprint and Cost Considerations of Mortar Blends with High Volume Ground Granulated Blast Furnace Slag. Sustainability, 2019, 11, 7194. | 3.2 | 30 |
| 52 | Sintering behaviour and properties of manganese-doped alumina. Ceramics International, 2019, 45, 7049-7054. | 4.8 | 39 |
| 53 | Effect of multi-ions doping on the properties of carbonated hydroxyapatite bioceramic. Ceramics International, 2019, 45, 3473-3477. | 4.8 | 57 |
| 54 | Ductility behaviours of oil palm shell steel fibre-reinforced concrete beams under flexural loading. European Journal of Environmental and Civil Engineering, 2019, 23, 866-878. | 2.1 | 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. | 0.2 | 19 |
| 56 | Characterization of pervious concrete with blended natural aggregate and recycled concrete aggregates. Journal of Cleaner Production, 2018, 181, 155-165. | 9.3 | 112 |
| 57 | CFRP strips for enhancing flexural performance of RC beams by SNSM strengthening technique. Construction and Building Materials, 2018, 165, 28-44. | 7.2 | 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. | 7.2 | 62 |
| 59 | High volume cement replacement by environmental friendly industrial by-product palm oil clinker powder in cement â€“ lime masonry mortar. Journal of Cleaner Production, 2018, 190, 272-284. | 9.3 | 64 |
| 60 | Properties of metakaolin-blended oil palm shell lightweight concrete. European Journal of Environmental and Civil Engineering, 2018, 22, 852-868. | 2.1 | 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. | 3.4 | 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. | 2.6 | 16 |
| 63 | Recycling of seashell waste in concrete: A review. Construction and Building Materials, 2018, 162, 751-764. | 7.2 | 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. | 0.6 | 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. | 0.6 | 2 |
| 66 | Finite element analysis of rectangular reinforced concrete columns wrapped with FRP composites. IOP Conference Series: Materials Science and Engineering, 2018, 431, 072005. | 0.6 | 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. | 1.3 | 6 |
| 68 | Microstructural investigation and durability performance of high volume industrial by-products-based masonry mortars. Construction and Building Materials, 2018, 189, 906-923. | 7.2 | 13 |
| 69 | Simulating Intermediate Crack Debonding on RC Beams Strengthened with Hybrid Methods. Latin American Journal of Solids and Structures, 2018, 15, . | 1.0 | 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. | 9.3 | 138 |
| 71 | Potential use of brick waste as alternate concrete-making materials: A review. Journal of Cleaner Production, 2018, 195, 226-239. | 9.3 | 154 |
| 72 | Effect of microwave sintering on the properties of copper oxide doped Y-TZP ceramics. Ceramics International, 2018, 44, 19639-19645. | 4.8 | 16 |

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| 73 | A review on microstructural study and compressive strength of geopolymer mortar, paste and concrete. Construction and Building Materials, 2018, 186, 550-576. | 7.2 | 202 |
| 74 | Recycling of wastes for value-added applications in concrete blocks: An overview. Resources, Conservation and Recycling, 2018, 138, 298-312. | 10.8 | 138 |
| 75 | Incorporation of expanded vermiculite lightweight aggregate in cement mortar. Construction and Building Materials, 2018, 179, 302-306. | 7.2 | 63 |
| 76 | Feasibility study on the use of high volume palm oil clinker waste in environmental friendly lightweight concrete. Construction and Building Materials, 2017, 135, 94-103. | 7.2 | 55 |
| 77 | Overview of supplementary cementitious materials usage in lightweight aggregate concrete. Construction and Building Materials, 2017, 139, 403-418. | 7.2 | 81 |
| 78 | Influence of source materials and the role of oxide composition on the performance of ternary blended sustainable geopolymer mortar. Construction and Building Materials, 2017, 144, 608-623. | 7.2 | 41 |
| 79 | Incorporation of nano-materials in cement composite and geopolymer based paste and mortar â€“ A review. Construction and Building Materials, 2017, 148, 62-84. | 7.2 | 209 |
| 80 | Shear behaviour and mechanical properties of steel fibre-reinforced cement-based and geopolymer oil palm shell lightweight aggregate concrete. Construction and Building Materials, 2017, 148, 369-375. | 7.2 | 46 |
| 81 | Performance evaluation and some durability characteristics of environmental friendly palm oil clinker based geopolymer concrete. Journal of Cleaner Production, 2017, 161, 477-492. | 9.3 | 71 |
| 82 | Influence of steel fibers on the mechanical properties and impact resistance of lightweight geopolymer concrete. Construction and Building Materials, 2017, 152, 964-977. | 7.2 | 91 |
| 83 | Thermal conductivity, compressive and residual strength evaluation of polymer fibre-reinforced high volume palm oil fuel ash blended mortar. Construction and Building Materials, 2017, 130, 113-121. | 7.2 | 40 |
| 84 | Mechanical, toughness, bond and durability-relatedÂproperties of lightweight concrete reinforced with steel fibres. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1. | 3.1 | 33 |
| 85 | Evaluation of Industrial By-Products as Sustainable Pozzolanic Materials in Recycled Aggregate Concrete. Sustainability, 2017, 9, 767. | 3.2 | 58 |
| 86 | Glass Fiber Reinforced Polymer (GFRP) Bars for Enhancing the Flexural Performance of RC Beams Using Side-NSM Technique. Polymers, 2017, 9, 180. | 4.5 | 30 |
| 87 | Influence of polypropylene fibres on the tensile strength and thermal properties of various densities of foamed concrete. IOP Conference Series: Materials Science and Engineering, 2017, 271, 012058. | 0.6 | 12 |
| 88 | High strength oil palm shell concrete beams reinforced with steel fibres. Materiales De Construccion, 2017, 67, 142. | 0.7 | 11 |
| 89 | Near Surface Mounted Composites for Flexural Strengthening of Reinforced Concrete Beams. Polymers, 2016, 8, 67. | 4.5 | 23 |
| 90 | A Comprehensive Study of the Polypropylene Fiber Reinforced Fly Ash Based Geopolymer. PLoS ONE, 2016, 11, e0147546. | 2.5 | 118 |

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| 91 | Influences of the volume fraction and shape of steel fibers on fiber-reinforced concrete subjected to dynamic loading â€“ A review. Engineering Structures, 2016, 124, 405-417. | 5.3 | 108 |
| 92 | Microstructural investigations of palm oil fuel ash and fly ash based binders in lightweight aggregate foamed geopolymer concrete. Construction and Building Materials, 2016, 120, 112-122. | 7.2 | 96 |
| 93 | Structural performance of reinforced geopolymer concrete members: A review. Construction and Building Materials, 2016, 120, 251-264. | 7.2 | 113 |
| 94 | A new sustainable composite column using an agricultural solid waste as aggregate. Journal of Cleaner Production, 2016, 129, 282-291. | 9.3 | 20 |
| 95 | Response of oil palm shell concrete slabs subjected to quasi-static and blast loads. Construction and Building Materials, 2016, 116, 391-402. | 7.2 | 38 |
| 96 | Fracture evaluation of multi-layered precast reinforced geopolymer-concrete composite beams by incorporating acoustic emission into mechanical analysis. Construction and Building Materials, 2016, 127, 274-283. | 7.2 | 30 |
| 97 | Durability properties of sustainable concrete containing high volume palm oil waste materials. Journal of Cleaner Production, 2016, 137, 167-177. | 9.3 | 87 |
| 98 | Bond stress-slip relationship of oil palm shell lightweight concrete. Engineering Structures, 2016, 127, 319-330. | 5.3 | 25 |
| 99 | Prestressing of NSM steel strands to enhance the structural performance of prestressed concrete beams. Construction and Building Materials, 2016, 129, 289-301. | 7.2 | 28 |
| 100 | Engineering properties of lightweight aggregate concrete containing limestone powder and high volume fly ash. Journal of Cleaner Production, 2016, 135, 148-157. | 9.3 | 106 |
| 101 | Material and structural properties of waste-oil palm shell concrete incorporating ground granulated blast-furnace slag reinforced with low-volume steel fibres. Journal of Cleaner Production, 2016, 133, 414-426. | 9.3 | 40 |
| 102 | Green concrete partially comprised of farming waste residues: a review. Journal of Cleaner Production, 2016, 117, 122-138. | 9.3 | 171 |
| 103 | Torsional and cracking characteristics of steel fiber-reinforced oil palm shell lightweight concrete. Journal of Composite Materials, 2016, 50, 115-128. | 2.4 | 21 |
| 104 | Prediction of the structural behaviour of oil palm shell lightweight concrete beams. Construction and Building Materials, 2016, 102, 722-732. | 7.2 | 23 |
| 105 | Development of Sustainable Geopolymer Mortar using Industrial Waste Materials. Materials Today: Proceedings, 2016, 3, 125-129. | 1.8 | 18 |
| 106 | Pitch spacing effect on the axial compressive behaviour of spirally reinforced concrete-filled steel tube (SRCFT). Thin-Walled Structures, 2016, 100, 213-223. | 5.3 | 34 |
| 107 | Estimating building energy consumption using extreme learning machine method. Energy, 2016, 97, 506-516. | 8.8 | 153 |
| 108 | Engineering properties and fracture behaviour of high volume palm oil fuel ash based fibre reinforced geopolymer concrete. Construction and Building Materials, 2016, 111, 286-297. | 7.2 | 97 |

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| 109 | Bond properties of lightweight concrete â€“ A review. Construction and Building Materials, 2016, 112, 478-496. | 7.2 | 67 |
| 110 | High tensile strength fly ash based geopolymer composite using copper coated micro steel fiber. Construction and Building Materials, 2016, 112, 629-638. | 7.2 | 116 |
| 111 | Mechanical and fresh properties of sustainable oil palm shell lightweight concrete incorporating palm oil fuel ash. Journal of Cleaner Production, 2016, 115, 307-314. | 9.3 | 132 |
| 112 | Application of adaptive neuro-fuzzy methodology for estimating building energy consumption. Renewable and Sustainable Energy Reviews, 2016, 53, 1520-1528. | 16.4 | 50 |
| 113 | Performance evaluation of palm oil clinker as coarse aggregate in high strength lightweight concrete. Journal of Cleaner Production, 2016, 112, 566-574. | 9.3 | 82 |
| 114 | Assessing some durability properties of sustainable lightweight oil palm shell concrete incorporating slag and manufactured sand. Journal of Cleaner Production, 2016, 112, 763-770. | 9.3 | 69 |
| 115 | Influence of Molarity and Chemical Composition on the Development of Compressive Strength in POFA Based Geopolymer Mortar. Advances in Materials Science and Engineering, 2015, 2015, 1-15. | 1.8 | 42 |
| 116 | THE EFFECT OF ASPECT RATIO AND VOLUME FRACTION ON MECHANICAL PROPERTIES OF STEEL FIBRE-REINFORCED OIL PALM SHELL CONCRETE. Journal of Civil Engineering and Management, 2015, 22, 168-177. | 3.5 | 14 |
| 117 | Engineering properties and carbon footprint of ground granulated blast-furnace slag-palm oil fuel ash-based structural geopolymer concrete. Construction and Building Materials, 2015, 101, 503-521. | 7.2 | 119 |
| 118 | Experimental Investigation on the Properties of Lightweight Concrete Containing Waste Oil Palm Shell Aggregate. Procedia Engineering, 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. Journal of Cleaner Production, 2015, 91, 297-304. | 9.3 | 88 |
| 120 | Enhancement of the mechanical properties of lightweight oil palm shell concrete using rice husk ash and manufactured sand. Journal of Zhejiang University: Science A, 2015, 16, 59-69. | 2.4 | 63 |
| 121 | Contribution of acrylic fibre addition and ground granulated blast furnace slag on the properties of lightweight concrete. Construction and Building Materials, 2015, 95, 686-695. | 7.2 | 32 |
| 122 | Compressive Behaviour of Polyarcylonitrile Fibre Reinforced Lightweight Aggregate Concrete Composite. Advanced Materials Research, 2015, 1115, 188-191. | 0.3 | 0 |
| 123 | Compressive behaviour of lightweight oil palm shell concrete incorporating slag. Construction and Building Materials, 2015, 94, 263-269. | 7.2 | 24 |
| 124 | Effect of fibre aspect ratio on the torsional behaviour of steel fibre-reinforced normal weight concrete and lightweight concrete. Engineering Structures, 2015, 101, 24-33. | 5.3 | 32 |
| 125 | Graphene nanoplatelet-fly ash based geopolymer composites. Cement and Concrete Research, 2015, 76, 222-231. | 11.0 | 250 |
| 126 | Influence of lightweight aggregate on the bond properties of concrete with various strength grades. Construction and Building Materials, 2015, 84, 377-386. | 7.2 | 48 |

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| 127 | Torsional behaviour of steel fibre-reinforced oil palm shell concrete beams. Materials and Design, 2015, 87, 854-862. | 7.0 | 11 |
| 128 | Characteristics of palm oil clinker as replacement for oil palm shell in lightweight concrete subjected to elevated temperature. Construction and Building Materials, 2015, 101, 942-951. | 7.2 | 55 |
| 129 | Utilization of ground granulated blast furnace slag as partial cement replacement in lightweight oil palm shell concrete. Materials and Structures/Materiaux Et Constructions, 2015, 48, 2545-2556. | 3.1 | 49 |
| 130 | The Effect of Different Parameters on the Development of Compressive Strength of Oil Palm Shell Geopolymer Concrete. Scientific World Journal, The, 2014, 2014, 1-16. | 2.1 | 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. Advances in Materials Science and Engineering, 2014, 2014, 1-13. | 1.8 | 46 |
| 132 | Size-Dependent Stress-Strain Model for Unconfined Concrete. Journal of Structural Engineering, 2014, 140, . | 3.4 | 50 |
| 133 | A Review on the Use of Agriculture Waste Material as Lightweight Aggregate for Reinforced Concrete Structural Members. Advances in Materials Science and Engineering, 2014, 2014, 1-9. | 1.8 | 31 |
| 134 | Utilization of Palm Oil Fuel Ash as Binder in Lightweight Oil Palm Shell Geopolymer Concrete. Advances in Materials Science and Engineering, 2014, 2014, 1-6. | 1.8 | 28 |
| 135 | The effect of steel fibres on the enhancement of flexural and compressive toughness and fracture characteristics of oil palm shell concrete. Construction and Building Materials, 2014, 55, 20-28. | 7.2 | 77 |
| 136 | Compressive strength and microstructural analysis of fly ash/palm oil fuel ash based geopolymer mortar. Materials & Design, 2014, 59, 532-539. | 5.1 | 174 |
| 137 | The use of wire meshâ€“epoxy composite for enhancing the flexural performance of concrete beams. Materials & Design, 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. Construction and Building Materials, 2014, 65, 114-121. | 7.2 | 257 |
| 139 | Impact resistance of hybrid fibre-reinforced oil palm shell concrete. Construction and Building Materials, 2014, 50, 499-507. | 7.2 | 99 |
| 140 | Flexural toughness characteristics of steelâ€“polypropylene hybrid fibre-reinforced oil palm shell concrete. Materials & Design, 2014, 57, 652-659. | 5.1 | 128 |
| 141 | Evaluation of thermal conductivity, mechanical and transport properties of lightweight aggregate foamed geopolymer concrete. Energy and Buildings, 2014, 72, 238-245. | 6.7 | 307 |
| 142 | The development of compressive strength of ground granulated blast furnace slag-palm oil fuel ash-fly ash based geopolymer mortar. Materials & Design, 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. Arabian Journal for Science and Engineering, 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. Energy and Buildings, 2014, 84, 727-739. | 6.7 | 28 |

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| 145 | The relationship between interlocking mechanism and bond strength in elastic and inelastic segment of splice sleeve. Construction and Building Materials, 2014, 55, 227-237. | 7.2 | 111 |
| 146 | Oil palm shell lightweight concrete containing high volume ground granulated blast furnace slag. Construction and Building Materials, 2013, 40, 231-238. | 7.2 | 85 |
| 147 | Mix design for fly ash based oil palm shell geopolymer lightweight concrete. Construction and Building Materials, 2013, 43, 490-496. | 7.2 | 85 |
| 148 | A comparison of the thermal conductivity of oil palm shell foamed concrete with conventional materials. Materials & Design, 2013, 51, 522-529. | 5.1 | 130 |
| 149 | Engineering properties of oil palm shell lightweight concrete containing fly ash. Materials & Design, 2013, 49, 613-621. | 5.1 | 98 |
| 150 | Enhancement of mechanical properties in polypropyleneâ€“ and nylonâ€“fibre reinforced oil palm shell concrete. Materials & Design, 2013, 49, 1034-1041. | 5.1 | 186 |
| 151 | Utilization of oil palm kernel shell as lightweight aggregate in concrete â€“ A review. Construction and Building Materials, 2013, 38, 161-172. | 7.2 | 211 |
| 152 | USE OF RECYCLED CONCRETE AGGREGATE IN CONCRETE: A REVIEW. Journal of Civil Engineering and Management, 2013, 19, 796-810. | 3.5 | 119 |
| 153 | Properties of high-workability concrete with recycled concrete aggregate. Materials Research, 2011, 14, 248-255. | 1.3 | 102 |
| 154 | A new method of producing high strength oil palm shell lightweight concrete. Materials & Design, 2011, 32, 4839-4843. | 5.1 | 107 |
| 155 | Shear behaviour of reinforced palm kernel shell concrete beams. Construction and Building Materials, 2011, 25, 2918-2927. | 7.2 | 74 |
| 156 | Enhancement and prediction of modulus of elasticity of palm kernel shell concrete. Materials & Design, 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. Materials & Design, 2009, 30, 2227-2236. | 5.1 | 66 |
| 159 | Influence of Sand/Cement Ratio on Mechanical Properties of Palm Kernel Shell Concrete. Journal of Applied Sciences, 2009, 9, 1764-1769. | 0.3 | 37 |
| 160 | Influence of Cementitious Materials and Aggregates Content on Compressive Strength of Palm Kernel Shell Concrete. Journal of Applied Sciences, 2008, 8, 3207-3213. | 0.3 | 19 |
| 161 | The Effect of Palm Oil Fuel Ash as a Cementreplacement Material on Self-Compacting Concrete. Applied Mechanics and Materials, 0, 567, 529-534. | 0.2 | 5 |
| 162 | Flexural Behaviour of Concrete Beams Bonded with Wire Mesh-Epoxy Composite. Applied Mechanics and Materials, 0, 567, 411-416. | 0.2 | 5 |