# Mohd Haziman Wan Ibrahim

## List of Publications by Citations



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|---|---|---|---|
| 96 papers | 553 citations | 12 h-index | 19 g-index |
| 107 ext. papers | 710 ext. citations | 1.1 avg, IF | 4.16 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 96 | Performance of nanoceramic powder on the chemical and physical properties of bitumen. *Construction and Building Materials*, **2017**, 156, 496-505 | 6.7 | 50 |
| 95 | Performance of plastic wastes in fiber-reinforced concrete beams. *Construction and Building Materials*, **2018**, 183, 451-464 | 6.7 | 40 |
| 94 | Utilization of sugarcane bagasse ash in concrete as partial replacement of cement. *IOP Conference Series: Materials Science and Engineering*, **2017**, 271, 012001 | 0.4 | 30 |
| 93 | Strength and microstructure analysis of concrete containing rice husk ash under seawater attack by wetting and drying cycles. *Advances in Cement Research*, **2014**, 26, 145-154 | 1.8 | 27 |
| 92 | Recycling of Coal Ash in Concrete as a Partial Cementitious Resource. *Resources*, **2019**, 8, 99 | 3.7 | 23 |
| 91 | The Effect of Bottom Ash on Fresh Characteristic, Compressive Strength and Water Absorption of Self-Compacting Concrete. *Applied Mechanics and Materials*, **2014**, 660, 145-151 | 0.3 | 23 |
| 90 | Short-term effects of sulphate and chloride on the concrete containing coal bottom ash as supplementary cementitious material **2019**, 22, 515-522 | | 20 |
| 89 | Compressive and Flexural Strength of Foamed Concrete Containing Polyolefin Fibers. *Advanced Materials Research*, **2014**, 911, 489-493 | 0.5 | 19 |
| 88 | Splitting tensile and pullout behavior of synthetic wastes as fiber-reinforced concrete. *Construction and Building Materials*, **2018**, 171, 54-64 | 6.7 | 18 |
| 87 | Effects of Grinding Process on the Properties of the Coal Bottom Ash and Cement Paste. *Journal of Engineering and Technological Sciences*, **2019**, 51, 1 | 2.3 | 18 |
| 86 | Performance of Concrete Using Light Waste PET Fibre. *Advanced Materials Research*, **2013**, 795, 352-355 | 0.5 | 16 |
| 85 | Performances of concrete containing coal bottom ash with different fineness as a supplementary cementitious material exposed to seawater **2019**, 22, 929-938 | | 13 |
| 84 | Fresh Properties and Flexural Strength of Self-Compacting Concrete Integrating Coal Bottom Ash. *MATEC Web of Conferences*, **2016**, 47, 01010 | 0.3 | 12 |
| 83 | A Review on Potential Use of Coal Bottom Ash as a Supplementary Cementing Material in Sustainable Concrete Construction. *International Journal of Integrated Engineering*, **2018**, 10, | 1.5 | 11 |
| 82 | A Review of Porous Concrete Pavement: Applications and Engineering Properties. *Applied Mechanics and Materials*, **2014**, 554, 37-41 | 0.3 | 10 |
| 81 | A review on seashells ash as partial cement replacement. *IOP Conference Series: Materials Science and Engineering*, **2017**, 271, 012059 | 0.4 | 9 |
| 80 | Porous Concrete Pavement Containing Nano-Silica: Pre-Review. *Advanced Materials Research*, **2014**, 911, 454-458 | 0.5 | 9 |

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| 79 | Strength and permeability properties of concrete containing rice husk ash with different grinding time. *Open Engineering*, **2011**, 1, | 1.7 | 9 |
| 78 | Utilization of Sawdust in Concrete Masonry Blocks: A Review. *Mehran University Research Journal of Engineering and Technology*, **2019**, 38, 487-494 | 0.6 | 7 |
| 77 | Production of eco-friendly hybrid blocks. *Construction and Building Materials*, **2020**, 257, 119536 | 6.7 | 7 |
| 76 | Flexural Toughness of Ring-Shaped Waste Bottle Fiber Concrete. *MATEC Web of Conferences*, **2016**, 47, 01002 | 0.3 | 7 |
| 75 | Mechanical performance of concrete incorporating wheat straw ash as partial replacement of cement. *Journal of Building Pathology and Rehabilitation*, **2021**, 6, 1 | 1.8 | 7 |
| 74 | Experimental Investigation of Concrete Filled PVC Tube Columns Confined By Plain PVC Socket. *MATEC Web of Conferences*, **2017**, 103, 02006 | 0.3 | 6 |
| 73 | Strength and Porosity of Porous Concrete Pavement Containing Nano Black Rice Husk Ash. *IOP Conference Series: Materials Science and Engineering*, **2020**, 712, 012037 | 0.4 | 6 |
| 72 | The durability of concrete containing recycled tyres as a partial replacement of fine aggregate. *IOP Conference Series: Materials Science and Engineering*, **2017**, 271, 012075 | 0.4 | 6 |
| 71 | Compressive and tensile strength for concrete containing coal bottom ash. *IOP Conference Series: Materials Science and Engineering*, **2017**, 271, 012055 | 0.4 | 6 |
| 70 | Stability and Volumetric Properties of Asphalt Mixture Containing Waste Plastic. *MATEC Web of Conferences*, **2017**, 103, 09002 | 0.3 | 5 |
| 69 | Utilization of Nano Silica as Cement Paste in Mortar and Porous Concrete Pavement. *Advanced Materials Research*, **2015**, 1113, 135-139 | 0.5 | 5 |
| 68 | Acoustic and non-acoustic performance of coal bottom ash concrete as sound absorber for wall concrete. *Case Studies in Construction Materials*, **2020**, 13, e00399 | 2.7 | 5 |
| 67 | Properties of concrete containing coconut shell powder (CSP) as a filler. *IOP Conference Series: Materials Science and Engineering*, **2017**, 271, 012006 | 0.4 | 5 |
| 66 | The Strength Behavior of Self-Compacting Concrete Incorporating Bottom Ash as Partial Replacement to Fine Aggregate. *Applied Mechanics and Materials*, **2015**, 773-774, 916-922 | 0.3 | 5 |
| 65 | Mechanical performance of porous concrete pavement containing nano black rice husk ash. *IOP Conference Series: Materials Science and Engineering*, **2018**, 290, 012050 | 0.4 | 5 |
| 64 | A Review: The Effect of Grinded Coal Bottom Ash on Concrete. *MATEC Web of Conferences*, **2017**, 103, 01007 | 0.3 | 4 |
| 63 | Oil and grease (O&G) removal from commercial kitchen waste water using carbonised grass as a key media. *MATEC Web of Conferences*, **2017**, 87, 01010 | 0.3 | 4 |
| 62 | Failure behavior of sandwich honeycomb composite beam containing crack at the skin. *PLoS ONE*, **2020**, 15, e0227895 | 3.7 | 4 |

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| 61 | Review on factors influencing thermal conductivity of concrete incorporating various type of waste materials. *IOP Conference Series: Earth and Environmental Science*, **2018**, 140, 012141 | 0.3 | 4 |
| 60 | Permeability and Strength of Porous Concrete Paving Blocks at Different Sizes Coarse Aggregate. *Journal of Physics: Conference Series*, **2018**, 1049, 012028 | 0.3 | 4 |
| 59 | Crack classification in concrete beams using AE parameters. *IOP Conference Series: Materials Science and Engineering*, **2017**, 271, 012090 | 0.4 | 4 |
| 58 | Cementitious Materials Usage in Self-Compacting Concrete: A Review. *Advanced Materials Research*, **2015**, 1113, 153-160 | 0.5 | 4 |
| 57 | Effect of Rice Husk Ash Fineness on the Properties of Concrete. *Applied Mechanics and Materials*, **2014**, 554, 203-207 | 0.3 | 4 |
| 56 | Influence of Ground Coal Bottom Ash on the Properties of Concrete **2018**, 9, | | 4 |
| 55 | Effect of Dried Sewage Sludge on Compressive Strength of Concrete. *IOP Conference Series: Materials Science and Engineering*, **2020**, 712, 012042 | 0.4 | 4 |
| 54 | Effect of Treated Coconut Shell and Fiber on the Resilient Modulus of Double-layer Porous Asphalt at Different Aging. *IOP Conference Series: Earth and Environmental Science*, **2018**, 140, 012065 | 0.3 | 4 |
| 53 | Fundamental and assessment of concrete structure monitoring by using acoustic emission technique testing: A review. *IOP Conference Series: Earth and Environmental Science*, **2018**, 140, 012142 | 0.3 | 3 |
| 52 | Compressive and flexural strength of concrete containing palm oil biomass clinker and polypropylene fibres. *IOP Conference Series: Materials Science and Engineering*, **2017**, 271, 012011 | 0.4 | 3 |
| 51 | Performance of macro clay on the porous asphalt mixture properties. *IOP Conference Series: Materials Science and Engineering*, **2017**, 271, 012050 | 0.4 | 3 |
| 50 | Characterization of Kaolin as Nano Material for High Quality Construction. *MATEC Web of Conferences*, **2017**, 103, 09019 | 0.3 | 3 |
| 49 | Potential of Bottom Ash as Sand Replacement Material to Produce Sand Cement Brick. *International Journal of Integrated Engineering*, **2018**, 10, | 1.5 | 3 |
| 48 | Material Characterization and Optimum Usage of Coal Bottom Ash (CBA) as Sand Replacement in Concrete. *International Journal of Integrated Engineering*, **2020**, 12, | 1.5 | 3 |
| 47 | Performance of Kaolin Clay on the Concrete Pavement. *IOP Conference Series: Materials Science and Engineering*, **2018**, 358, 012049 | 0.4 | 3 |
| 46 | Evaluation on the rheological and mechanical properties of concrete incorporating eggshell with tire powder. *Journal of Materials Research and Technology*, **2021**, 14, 439-451 | 5.5 | 3 |
| 45 | Effect of Nano Silica on the Physical Property of Porous Concrete Pavement. *IOP Conference Series: Materials Science and Engineering*, **2017**, 226, 012043 | 0.4 | 2 |
| 44 | Properties of concrete containing different type of waste materials as aggregate replacement exposed to elevated temperature □A review. *IOP Conference Series: Earth and Environmental Science*, **2018**, 140, 012139 | 0.3 | 2 |

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| 43 | Flexural strength properties of porous concrete pavement incorporating nano black rice husk ash. *IOP Conference Series: Materials Science and Engineering*, **2019**, 527, 012044 | 0.4 | 2 |
| 42 | Coal bottom ash as a sustainable supplementary cementitious material for the concrete exposed to seawater **2019**, | | 2 |
| 41 | Compressive Strength of Construction Materials Containing Agricultural Crop Wastes: A Review. *MATEC Web of Conferences*, **2017**, 103, 01018 | 0.3 | 2 |
| 40 | Sound absorption and morphology characteristic of porous concrete paving blocks. *IOP Conference Series: Materials Science and Engineering*, **2017**, 271, 012015 | 0.4 | 2 |
| 39 | Floor Dynamic Assessment on Laboratory due to Ground Borne Vibrations Using ModalV Analysis from Passing Vehicles. *Applied Mechanics and Materials*, **2015**, 773-774, 974-978 | 0.3 | 2 |
| 38 | A Study of Potential Retroffiting Existing Sultan Ibrahim Heritage Building to Green Building. *Advanced Science Letters*, **2018**, 24, 3213-3216 | 0.1 | 2 |
| 37 | Evaluate the Expressions of Compression Strength and UPV Relationship. *International Journal of Integrated Engineering*, **2018**, 10, | 1.5 | 2 |
| 36 | Influence of coal ash on the concrete properties and its performance under sulphate and chloride conditions. *Environmental Science and Pollution Research*, **2021**, 28, 60787-60797 | 5.1 | 2 |
| 35 | The Effect of Palm Oil Clinker and Oil Palm Shell on the Compressive Strength of Concrete. *Iranian Journal of Science and Technology - Transactions of Civil Engineering*, **2019**, 43, 1-14 | 1.1 | 2 |
| 34 | Form-Finding Using Nonlinear Analysis Method in Tensioned Fabric Structure in The Form of Handkerchief Surface. *Journal of Physics: Conference Series*, **2018**, 995, 012014 | 0.3 | 2 |
| 33 | Form-Finding Of Thomsen Surface Using Nonlinear Analysis Method. *Journal of Physics: Conference Series*, **2018**, 995, 012017 | 0.3 | 2 |
| 32 | An Utilization of Palm Fuel Ash (POFA) and Ceramic Waste as Cement Materials Replacement in Concrete Production. *International Journal of Engineering and Technology(UAE)*, **2018**, 7, 89 | 0.8 | 2 |
| 31 | Physical and chemical properties of cement with nano black rice husk ash **2019**, | | 1 |
| 30 | Carbonation of concrete containing mussel (Perna viridis) shell ash. *Journal of Engineering, Design and Technology*, **2019**, 17, 904-928 | 1.5 | 1 |
| 29 | Energy Consumption of Insulated Material Using Thermal Effect Analysis. *MATEC Web of Conferences*, **2017**, 103, 08017 | 0.3 | 1 |
| 28 | Fresh Properties of Self-Compacting Concrete Integrating Coal Bottom Ash as a Replacement of Fine Aggregates. *Advanced Materials Research*, **2015**, 1125, 370-376 | 0.5 | 1 |
| 27 | Vibration Response on MiNT-SRC Building due to Ground Borne Vibrations from Humans Using Finite Element Modeling. *Applied Mechanics and Materials*, **2014**, 660, 536-540 | 0.3 | 1 |
| 26 | The effect of nanosilica incorporation on the mechanical properties of concrete exposed to elevated temperature: a review.. *Environmental Science and Pollution Research*, **2022**, 29, 15318 | 5.1 | 1 |

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| 25 | Characterization of Palm Oil Fuel Ash as Cementitious Supplement: A Review. *ACI Materials Journal*, **2019**, 116, | 0.9 | 1 |
| 24 | Identifying the Crack Nature Using b-Value Acoustic Emission Signal Analysis. *Lecture Notes in Civil Engineering*, **2020**, 1065-1076 | 0.3 | 1 |
| 23 | Strength and Quality Assessment of Recycled Aggregate and Crumb Rubber Concrete Using the Ultra Pulse Velocity Method. *Lecture Notes in Civil Engineering*, **2020**, 799-806 | 0.3 | 1 |
| 22 | Establishment of Strength Prediction Equation for Concrete Containing Coal Bottom Ash Exposed to Aggressive Environment. *Silicon*, **2020**, 1 | 2.4 | 1 |
| 21 | Assessing the life cycle study of alternative earth-retaining walls from an environmental and economic viewpoint. *Environmental Science and Pollution Research*, **2021**, 28, 37387-37399 | 5.1 | 1 |
| 20 | Image Analysis of Surface Porosity Mortar Containing Processed Spent Bleaching Earth. *Materials*, **2021**, 14, | 3.5 | 1 |
| 19 | Forensic Building: Deterioration and Defect in Concrete Structures. *MATEC Web of Conferences*, **2017**, 103, 02016 | 0.3 | 0 |
| 18 | Sound absorption coefficient of coal bottom ash concrete for railway application. *IOP Conference Series: Materials Science and Engineering*, **2017**, 271, 012077 | 0.4 | 0 |
| 17 | Mechanical properties of coconut shell-based concrete: experimental and optimisation modelling. *Environmental Science and Pollution Research*, **2021**, 1 | 5.1 | 0 |
| 16 | Effect of sugar on Compressive Strength, Drying Shrinkage and Carbonation of Mortar. *IOP Conference Series: Materials Science and Engineering*, **2021**, 1144, 012002 | 0.4 | 0 |
| 15 | Performance of High Strength Concrete Containing Palm Oil Fuel Ash and Metakaolin as Cement Replacement Material. *Advances in Civil Engineering*, **2022**, 2022, 1-11 | 1.3 | 0 |
| 14 | Porosity and permeability properties of Nano black rice hush ash in porous concrete pavement. *IOP Conference Series: Earth and Environmental Science*, **2019**, 244, 012039 | 0.3 | |
| 13 | Carbonation and strength of self-compacting concrete with coal bottom ash exposed to seawater by wetting-drying cycle. *IOP Conference Series: Earth and Environmental Science*, **2020**, 476, 012032 | 0.3 | |
| 12 | The Utilization of Bamboo Innovation as Aggregate Substitute for Paving Block. *Journal of Physics: Conference Series*, **2020**, 1573, 012014 | 0.3 | |
| 11 | Tourism, Accommodations, Food Services, and Regional GDP. *IOP Conference Series: Earth and Environmental Science*, **2020**, 498, 012110 | 0.3 | |
| 10 | Vibration criteria analysis on floor at laboratory room. *IOP Conference Series: Earth and Environmental Science*, **2019**, 220, 012021 | 0.3 | |
| 9 | Study on effects of different patterns and cracking for wastes FRP (used banner) wrapping on compressive strength of confined concrete. *IOP Conference Series: Materials Science and Engineering*, **2017**, 271, 012016 | 0.4 | |
| 8 | Influence of People Walking on Floor Performance due to Low Level Vibration. *Applied Mechanics and Materials*, **2015**, 802, 208-213 | 0.3 | |

# List of Publications

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| 7 | Influence of Sulphate on the Moisture Movement of Calcium Silicate Brick Masonry Wall. *Advanced Materials Research*, **2010**, 133-134, 201-204 | 0.5 |
| 6 | Elasticity of Calcium Silicate Brick Masonry Wall Due to Sulphate Attack. *Advanced Materials Research*, **2010**, 133-134, 195-200 | 0.5 |
| 5 | POTENTIAL VOLUMIZING EFFECT OF THE POST-MORPH LIME FILLER IN ATTENUATING CONCRETE CARBONATION. *IIUM Engineering Journal*, **2022**, 23, 13-33 | 1.2 |
| 4 | Corrosion study of pipeline material for seabed sediment in tropical climate. *IOP Conference Series: Materials Science and Engineering*, **2020**, 849, 012023 | 0.4 |
| 3 | Strength Properties of Porous Concrete Pavement Blended with Nano Black Rice Husk Ash. *IOP Conference Series: Materials Science and Engineering*, **2020**, 712, 012038 | 0.4 |
| 2 | Dynamic Analysis of an Office Building due to Vibration from Road Construction Activities. *Journal of Physics: Conference Series*, **2018**, 995, 012112 | 0.3 |
| 1 | Compressive Strength of Concrete Containing Plastic Waste as Fine Aggregate. *Lecture Notes in Civil Engineering*, **2021**, 205-214 | 0.3 |