

Mohammad Ismail

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

2,583
citations

201674

27
h-index

206112

48
g-index

74
all docs

74
docs citations

74
times ranked

2051
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Geopolymer mortars as sustainable repair material: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 54-74. | 16.4 | 280 |
| 2 | Reviews on Corrosion Inhibitors: A Short View. <i>Chemical Engineering Communications</i> , 2016, 203, 1145-1156. | 2.6 | 239 |
| 3 | Green Bambusa Arundinacea leaves extract as a sustainable corrosion inhibitor in steel reinforced concrete. <i>Journal of Cleaner Production</i> , 2014, 67, 139-146. | 9.3 | 139 |
| 4 | Performance of steel slag and steel sludge in concrete. <i>Construction and Building Materials</i> , 2016, 104, 16-24. | 7.2 | 125 |
| 5 | Compressive strength and microstructure of assorted wastes incorporated geopolymer mortars: Effect of solution molarity. <i>AEJ - Alexandria Engineering Journal</i> , 2018, 57, 3375-3386. | 6.4 | 88 |
| 6 | Waste ceramic powder incorporated alkali activated mortars exposed to elevated Temperatures: Performance evaluation. <i>Construction and Building Materials</i> , 2018, 187, 307-317. | 7.2 | 87 |
| 7 | Enhanced corrosion resistance of reinforced concrete: Role of emerging eco-friendly <i>Elaeis guineensis</i> /silver nanoparticles inhibitor. <i>Construction and Building Materials</i> , 2018, 188, 555-568. | 7.2 | 82 |
| 8 | Effects of POFA replaced with FA on durability properties of GBFS included alkali activated mortars. <i>Construction and Building Materials</i> , 2018, 175, 174-186. | 7.2 | 79 |
| 9 | Influence of elevated temperatures on physical and compressive strength properties of concrete containing palm oil fuel ash. <i>Construction and Building Materials</i> , 2011, 25, 2358-2364. | 7.2 | 76 |
| 10 | Effect of cooling regime on the residual performance of high-volume palm oil fuel ash concrete exposed to high temperatures. <i>Construction and Building Materials</i> , 2015, 98, 875-883. | 7.2 | 69 |
| 11 | Long-term mechanical and durable properties of waste tires rubber crumbs replaced GBFS modified concretes. <i>Construction and Building Materials</i> , 2020, 256, 119505. | 7.2 | 61 |
| 12 | Enhanced hydrogen storage performance of $\text{LiAlH}_4\text{-MgH}_2\text{-TiF}_3$ composite. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 5369-5374. | 7.1 | 58 |
| 13 | The Role of Green Building Materials in Reducing Environmental and Human Health Impacts. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2589. | 2.6 | 58 |
| 14 | Woven hybrid Biocomposite: Mechanical properties of woven kenaf bast fibre/oil palm empty fruit bunches hybrid reinforced poly hydroxybutyrate biocomposite as non-structural building materials. <i>Construction and Building Materials</i> , 2017, 154, 155-166. | 7.2 | 51 |
| 15 | Characteristics of treated effluents and their potential applications for producing concrete. <i>Journal of Environmental Management</i> , 2012, 110, 27-32. | 7.8 | 49 |
| 16 | Improved corrosion resistance of mild steel against acid activation: Impact of novel <i>Elaeis guineensis</i> and silver nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 63, 139-148. | 5.8 | 48 |
| 17 | Synergism between palm oil fuel ash and slag: Production of environmental-friendly alkali activated mortars with enhanced properties. <i>Construction and Building Materials</i> , 2018, 170, 235-244. | 7.2 | 46 |
| 18 | Impact of curing temperatures and alkaline activators on compressive strength and porosity of ternary blended geopolymer mortars. <i>Case Studies in Construction Materials</i> , 2018, 9, e00205. | 1.7 | 44 |

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|----|---|-----|-----------|
| 19 | Properties of concrete containing electric arc furnace steel slag and steel sludge. <i>Journal of Building Engineering</i> , 2020, 28, 101060. | 3.4 | 44 |
| 20 | Morphological Characteristics of Hardened Cement Pastes Incorporating Nano-palm Oil Fuel Ash. <i>Procedia Manufacturing</i> , 2015, 2, 512-518. | 1.9 | 42 |
| 21 | Performance of natural rubber latex modified concrete in acidic and sulfated environments. <i>Construction and Building Materials</i> , 2012, 31, 129-134. | 7.2 | 39 |
| 22 | NATURAL CORROSION INHIBITORS FOR STEEL REINFORCEMENT IN CONCRETE " A REVIEW. <i>Surface Review and Letters</i> , 2015, 22, 1550040. | 1.1 | 39 |
| 23 | Insight into the role of microbial calcium carbonate and the factors involved in self-healing concrete. <i>Construction and Building Materials</i> , 2020, 254, 119258. | 7.2 | 39 |
| 24 | Mixture optimization of high-strength blended concrete using central composite design. <i>Construction and Building Materials</i> , 2020, 243, 118251. | 7.2 | 37 |
| 25 | Evaluating mechanical properties and impact resistance of modified concrete containing ground Blast Furnace slag and discarded rubber tire crumbs. <i>Construction and Building Materials</i> , 2021, 295, 123603. | 7.2 | 36 |
| 26 | Influence of non-hydrocarbon substances on the compressive strength of natural rubber latex-modified concrete. <i>Construction and Building Materials</i> , 2012, 27, 241-246. | 7.2 | 30 |
| 27 | A review on self-compacting concrete incorporating palm oil fuel ash as a cement replacement. <i>Construction and Building Materials</i> , 2020, 258, 119541. | 7.2 | 28 |
| 28 | Effect of sodium hydroxide concentration on strength and microstructure of alkali-activated natural pozzolan and limestone powder mortar. <i>Construction and Building Materials</i> , 2021, 271, 121530. | 7.2 | 28 |
| 29 | Binary Effect of Fly Ash and Palm Oil Fuel Ash on Heat of Hydration Aerated Concrete. <i>Scientific World Journal</i> , The, 2014, 2014, 1-6. | 2.1 | 27 |
| 30 | A cradle-to-gate based life cycle impact assessment comparing the KBF w EFB hybrid reinforced poly hydroxybutyrate biocomposite and common petroleum-based composites as building materials. <i>Environmental Impact Assessment Review</i> , 2018, 70, 11-21. | 9.2 | 27 |
| 31 | Elastomeric influence of natural rubber latex on cement mortar at high temperatures using thermal degradation analysis. <i>Construction and Building Materials</i> , 2011, 25, 2223-2227. | 7.2 | 26 |
| 32 | Evaluation of Sulfate Resistance of Mortar Containing Palm Oil Fuel Ash from Different Sources. <i>Arabian Journal for Science and Engineering</i> , 2013, 38, 2293-2301. | 1.1 | 25 |
| 33 | The Using Fungi Treatment as Green and Environmentally Process for Surface Modification of Natural Fibres. <i>Applied Mechanics and Materials</i> , 0, 554, 116-122. | 0.2 | 25 |
| 34 | Flow characteristics of ternary blended self-consolidating cement mortars incorporating palm oil fuel ash and pulverised burnt clay. <i>Construction and Building Materials</i> , 2014, 64, 253-260. | 7.2 | 24 |
| 35 | Evaluation of effectiveness of methyl methacrylate as retarder additive in polymer concrete. <i>Construction and Building Materials</i> , 2015, 93, 449-456. | 7.2 | 24 |
| 36 | Compressive strength loss and reinforcement degradations of reinforced concrete structure due to long-term exposure. <i>Construction and Building Materials</i> , 2010, 24, 898-902. | 7.2 | 23 |

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|----|---|-----|-----------|
| 37 | Corrosion behaviour of dual-phase and galvanized steels in concrete. <i>Anti-Corrosion Methods and Materials</i> , 2012, 59, 132-138. | 1.5 | 23 |
| 38 | Microstructure and compressive strength of self-compacting concrete incorporating palm oil fuel ash exposed to elevated temperatures. <i>Construction and Building Materials</i> , 2021, 274, 122025. | 7.2 | 21 |
| 39 | Developing Deeper Understanding of Green Inhibitors for Corrosion of Reinforcing Steel in Concrete. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2015, , 118-146. | 0.3 | 21 |
| 40 | Effects of High Volume Ceramic Binders on Flexural Strength of Self-Compacting Geopolymer Concrete. <i>Advanced Science Letters</i> , 2018, 24, 4097-4101. | 0.2 | 19 |
| 41 | Effect of vinyl acetate effluent in reducing heat of hydration of concrete. <i>KSCE Journal of Civil Engineering</i> , 2016, 20, 145-151. | 1.9 | 18 |
| 42 | Performance Evaluation of Modified Rubberized Concrete Exposed to Aggressive Environments. <i>Materials</i> , 2021, 14, 1900. | 2.9 | 18 |
| 43 | Early Strength Characteristics of Palm Oil Fuel Ash and Metakaolin Blended Geopolymer Mortar. <i>Advanced Materials Research</i> , 2013, 690-693, 1045-1048. | 0.3 | 16 |
| 44 | Impact of Blending on Strength Distribution of Ambient Cured Metakaolin and Palm Oil Fuel Ash Based Geopolymer Mortar. <i>Advances in Civil Engineering</i> , 2014, 2014, 1-8. | 0.7 | 15 |
| 45 | Electrochemical chloride extraction effect on blended cements. <i>Advances in Cement Research</i> , 2011, 23, 241-248. | 1.6 | 14 |
| 46 | Behavior of Concrete with Polymer Additive at Fresh and Hardened States. <i>Procedia Engineering</i> , 2011, 14, 2230-2237. | 1.2 | 13 |
| 47 | RHIZOPHORA APICULATA AS ECO-FRIENDLY INHIBITOR AGAINST MILD STEEL CORROSION IN 1% M HCL. <i>Surface Review and Letters</i> , 2017, 24, 1850013. | 1.1 | 13 |
| 48 | Green Driver: driving behaviors revisited on safety. <i>Archives of Transport</i> , 2018, 47, 49-78. | 1.1 | 13 |
| 49 | Self-healing epoxy coating doped with <i>Elaeisis guineensis</i> /silver nanoparticles: A robust corrosion inhibitor. <i>Construction and Building Materials</i> , 2021, 312, 125396. | 7.2 | 13 |
| 50 | An Overview of the Recent Advances of Additive-Improved Mg(BH ₄) ₂ for Solid-State Hydrogen Storage Material. <i>Energies</i> , 2022, 15, 862. | 3.1 | 13 |
| 51 | Elastomeric Effect of Natural Rubber Latex on Compressive Strength of Concrete at High Temperatures. <i>Journal of Materials in Civil Engineering</i> , 2011, 23, 1697-1702. | 2.9 | 12 |
| 52 | Influence of Curing Methods and Sodium Silicate Content on Compressive Strength and Microstructure of Multi Blend Geopolymer Mortars. <i>Advanced Science Letters</i> , 2018, 24, 4218-4222. | 0.2 | 12 |
| 53 | Life-span prediction of abandoned reinforced concrete residential buildings. <i>Construction and Building Materials</i> , 2016, 112, 1059-1065. | 7.2 | 10 |
| 54 | Systematic Experimental Assessment of POFA Concrete Incorporating Waste Tire Rubber Aggregate. <i>Polymers</i> , 2022, 14, 2294. | 4.5 | 10 |

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|----|---|-----|-----------|
| 55 | Characterization of some Key Industrial Waste Products for Sustainable Concrete Production. <i>Advanced Materials Research</i> , 0, 690-693, 1091-1094. | 0.3 | 8 |
| 56 | Experimental and Modelling of Alkali-Activated Mortar Compressive Strength Using Hybrid Support Vector Regression and Genetic Algorithm. <i>Materials</i> , 2021, 14, 3049. | 2.9 | 7 |
| 57 | Inhibiting Sulphate Attack on Concrete by Hydrophobic Green Plant Extract. <i>Advanced Materials Research</i> , 2011, 250-253, 3837-3843. | 0.3 | 5 |
| 58 | Mechanical capabilities and fire endurance of natural rubber latex modified concrete. <i>Canadian Journal of Civil Engineering</i> , 2011, 38, 661-668. | 1.3 | 5 |
| 59 | Physicochemical characterizations of nano-palm oil fuel ash. , 2015, , . | | 5 |
| 60 | Effects of climate and corrosion on concrete behaviour. <i>AIP Conference Proceedings</i> , 2017, , . | 0.4 | 5 |
| 61 | ELAEIS GUINEENSIS LEAVES EXTRACTS AS ECO-FRIENDLY CORROSION INHIBITOR FOR MILD STEEL IN HYDROCHLORIC ACID. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2018, 80, . | 0.4 | 5 |
| 62 | Influence of Silica Modulus and Curing Temperature on the Strength of Alkali-Activated Volcanic Ash and Limestone Powder Mortar. <i>Materials</i> , 2021, 14, 5204. | 2.9 | 5 |
| 63 | Properties of Contaminated Reinforced Concrete Added by Areca catechu Leaf Extract as an Eco-friendly Corrosion Inhibitor. <i>Journal of Bio- and Tribo-Corrosion</i> , 2020, 6, 1. | 2.6 | 4 |
| 64 | Areca Catechu: An Eco-Friendly Corrosion Inhibitor for Reinforced Concrete Structures in Corrosive Mediums. <i>Journal of Bio- and Tribo-Corrosion</i> , 2021, 7, 1. | 2.6 | 4 |
| 65 | An Exploratory Analysis of Housing and the Distribution of COVID-19 in Sweden. <i>Buildings</i> , 2022, 12, 71. | 3.1 | 4 |
| 66 | Mechanical properties of contaminated concrete inhibited by Areca catechu leaf extract as a green corrosion inhibitor. <i>Asian Journal of Civil Engineering</i> , 2020, 21, 1355-1367. | 1.6 | 3 |
| 67 | Embedded Sensor for Detecting Corrosion of Reinforcement in Concrete. <i>Advanced Materials Research</i> , 0, 250-253, 1118-1123. | 0.3 | 2 |
| 68 | Assessment of Green Inhibitor on the Crystal Structures of Carbonated Concrete. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 69, . | 0.4 | 2 |
| 69 | POLYMER CONCRETE TO NORMAL CONCRETE BOND STRENGTH: MOHR-COULOMB THEORY. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 77, . | 0.4 | 1 |
| 70 | Effect of high temperatures on physical and compressive strength properties of self-compacting concrete incorporating palm oil fuel ash. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 849, 012040. | 0.6 | 1 |
| 71 | Ground Penetrating Radar (GPR) imaging and applications to pavement structural assessment: a case of Malaysia. <i>Archives of Transport</i> , 2017, 42, 39-51. | 1.1 | 1 |
| 72 | EFFECTIVENESS OF PALM OIL FUEL ASH AS MICRO-FILLER IN POLYMER CONCRETE. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 77, . | 0.4 | 0 |

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|----|--|-----|-----------|
| 73 | Physico-Mechanical Properties of Polymer Concrete Containing Micro-Filler of Palm Oil Fuel Ash. Advanced Science Letters, 2018, 24, 3974-3977. | 0.2 | 0 |
| 74 | Who Owns the City, and Why Should We Care?. Land, 2022, 11, 459. | 2.9 | 0 |