

# Mohammad Ismail

## List of Publications by Year in descending order

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74  
papers

2,583  
citations

201674

27  
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206112

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74  
docs citations

74  
times ranked

2051  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Exploratory Analysis of Housing and the Distribution of COVID-19 in Sweden. <i>Buildings</i> , 2022, 12, 71.	3.1	4
2	An Overview of the Recent Advances of Additive-Improved Mg(BH <sub>4</sub> ) <sub>2</sub> for Solid-State Hydrogen Storage Material. <i>Energies</i> , 2022, 15, 862.	3.1	13
3	Who Owns the City, and Why Should We Care?. <i>Land</i> , 2022, 11, 459.	2.9	0
4	Systematic Experimental Assessment of POFA Concrete Incorporating Waste Tire Rubber Aggregate. <i>Polymers</i> , 2022, 14, 2294.	4.5	10
5	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
6	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
7	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
8	Performance Evaluation of Modified Rubberized Concrete Exposed to Aggressive Environments. <i>Materials</i> , 2021, 14, 1900.	2.9	18
9	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
10	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
11	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
12	Self-healing epoxy coating doped with <i>Elaeis guineensis</i> /silver nanoparticles: A robust corrosion inhibitor. <i>Construction and Building Materials</i> , 2021, 312, 125396.	7.2	13
13	Properties of concrete containing electric arc furnace steel slag and steel sludge. <i>Journal of Building Engineering</i> , 2020, 28, 101060.	3.4	44
14	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
15	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
16	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
17	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
18	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

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19	Mixture optimization of high-strength blended concrete using central composite design. <i>Construction and Building Materials</i> , 2020, 243, 118251.	7.2	37
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	Green Driver: driving behaviors revisited on safety. <i>Archives of Transport</i> , 2018, 47, 49-78.	1.1	13
34	Physico-Mechanical Properties of Polymer Concrete Containing Micro-Filler of Palm Oil Fuel Ash. <i>Advanced Science Letters</i> , 2018, 24, 3974-3977.	0.2	0
35	RHIZOPHORA APICULATA AS ECO-FRIENDLY INHIBITOR AGAINST MILD STEEL CORROSION IN 1â€‰%M HCL. <i>Surface Review and Letters</i> , 2017, 24, 1850013.	1.1	13
36	Geopolymer mortars as sustainable repair material: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 54-74.	16.4	280

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37	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. Construction and Building Materials, 2017, 154, 155-166.	7.2	51
38	Effects of climate and corrosion on concrete behaviour. AIP Conference Proceedings, 2017, , .	0.4	5
39	Ground Penetrating Radar (GPR) imaging and applications to pavement structural assessment: a case of Malaysia. Archives of Transport, 2017, 42, 39-51.	1.1	1
40	Life-span prediction of abandoned reinforced concrete residential buildings. Construction and Building Materials, 2016, 112, 1059-1065.	7.2	10
41	Reviews on Corrosion Inhibitors: A Short View. Chemical Engineering Communications, 2016, 203, 1145-1156.	2.6	239
42	Performance of steel slag and steel sludge in concrete. Construction and Building Materials, 2016, 104, 16-24.	7.2	125
43	Effect of vinyl acetate effluent in reducing heat of hydration of concrete. KSCE Journal of Civil Engineering, 2016, 20, 145-151.	1.9	18
44	Physicochemical characterizations of nano-palm oil fuel ash. , 2015, , .		5
45	Morphological Characteristics of Hardened Cement Pastes Incorporating Nano-palm Oil Fuel Ash. Procedia Manufacturing, 2015, 2, 512-518.	1.9	42
46	EFFECTIVENESS OF PALM OIL FUEL ASH AS MICRO-FILLER IN POLYMER CONCRETE. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	0
47	POLYMER CONCRETE TO NORMAL CONCRETE BOND STRENGTH: MOHR-COULOMB THEORY. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	1
48	Evaluation of effectiveness of methyl methacrylate as retarder additive in polymer concrete. Construction and Building Materials, 2015, 93, 449-456.	7.2	24
49	NATURAL CORROSION INHIBITORS FOR STEEL REINFORCEMENT IN CONCRETE " A REVIEW. Surface Review and Letters, 2015, 22, 1550040.	1.1	39
50	Effect of cooling regime on the residual performance of high-volume palm oil fuel ash concrete exposed to high temperatures. Construction and Building Materials, 2015, 98, 875-883.	7.2	69
51	Developing Deeper Understanding of Green Inhibitors for Corrosion of Reinforcing Steel in Concrete. Advances in Chemical and Materials Engineering Book Series, 2015, , 118-146.	0.3	21
52	Impact of Blending on Strength Distribution of Ambient Cured Metakaolin and Palm Oil Fuel Ash Based Geopolymer Mortar. Advances in Civil Engineering, 2014, 2014, 1-8.	0.7	15
53	Binary Effect of Fly Ash and Palm Oil Fuel Ash on Heat of Hydration Aerated Concrete. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	27
54	Assessment of Green Inhibitor on the Crystal Structures of Carbonated Concrete. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.4	2

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55	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
56	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
57	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
58	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
59	Corrosion behaviour of dual-phase and galvanized steels in concrete. <i>Anti-Corrosion Methods and Materials</i> , 2012, 59, 132-138.	1.5	23
60	Characteristics of treated effluents and their potential applications for producing concrete. <i>Journal of Environmental Management</i> , 2012, 110, 27-32.	7.8	49
61	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
62	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
63	Behavior of Concrete with Polymer Additive at Fresh and Hardened States. <i>Procedia Engineering</i> , 2011, 14, 2230-2237.	1.2	13
64	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
65	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
66	Enhanced hydrogen storage performance of LiAlH <sub>4</sub> -MgH <sub>2</sub> -TiF <sub>3</sub> composite. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 5369-5374.	7.1	58
67	Inhibiting Sulphate Attack on Concrete by Hydrophobic Green Plant Extract. <i>Advanced Materials Research</i> , 2011, 250-253, 3837-3843.	0.3	5
68	Electrochemical chloride extraction effect on blended cements. <i>Advances in Cement Research</i> , 2011, 23, 241-248.	1.6	14
69	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
70	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
71	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
72	Embedded Sensor for Detecting Corrosion of Reinforcement in Concrete. <i>Advanced Materials Research</i> , 0, 250-253, 1118-1123.	0.3	2

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73	Characterization of some Key Industrial Waste Products for Sustainable Concrete Production. Advanced Materials Research, 0, 690-693, 1091-1094.	0.3	8
74	The Using Fungi Treatment as Green and Environmentally Process for Surface Modification of Natural Fibres. Applied Mechanics and Materials, 0, 554, 116-122.	0.2	25