

# Mohamed A Ismail

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,416  
citations

279798

23  
h-index

345221

36  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1268  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performances evaluation of binary concrete designed with silica fume and metakaolin. Construction and Building Materials, 2018, 166, 400-412.	7.2	98
2	Corrosion rate of ordinary and high-performance concrete subjected to chloride attack by AC impedance spectroscopy. Construction and Building Materials, 2006, 20, 458-469.	7.2	85
3	The effects of high volume nano palm oil fuel ash on microstructure properties and hydration temperature of mortar. Construction and Building Materials, 2015, 93, 29-34.	7.2	81
4	Influence of elevated temperatures on physical and compressive strength properties of concrete containing palm oil fuel ash. Construction and Building Materials, 2011, 25, 2358-2364.	7.2	76
5	Use of an agricultural by-product, nano sized Palm Oil Fuel Ash as a supplementary cementitious material. Construction and Building Materials, 2018, 183, 139-149.	7.2	61
6	Palm oil fuel ash as potential green micro-filler in polymer concrete. Construction and Building Materials, 2016, 102, 950-960.	7.2	58
7	Comparing corrosion measurement methods to assess the corrosion activity of laboratory OPC and HPC concrete specimens. Cement and Concrete Research, 2004, 34, 2037-2044.	11.0	54
8	Palm Oil Fuel Ash: Promising supplementary cementing materials. KSCE Journal of Civil Engineering, 2013, 17, 1708-1713.	1.9	54
9	An analytical study on the water penetration and diffusion into concrete under water pressure. Construction and Building Materials, 2011, 25, 99-108.	7.2	53
10	Effect of LiNO <sub>2</sub> inhibitor on corrosion characteristics of steel rebar in saturated Ca(OH) <sub>2</sub> solution containing NaCl: An electrochemical study. Construction and Building Materials, 2017, 133, 387-396.	7.2	50
11	Mechanical properties of different bamboo species. MATEC Web of Conferences, 2017, 138, 01024.	0.2	50
12	Evaluation of corrosion resistance properties of N,N-Dimethyl ethanolamine corrosion inhibitor in saturated Ca(OH) <sub>2</sub> solution with different concentrations of chloride ions by electrochemical experiments. Construction and Building Materials, 2016, 114, 223-231.	7.2	46
13	Corrosion mechanism and kinetics of Al-Zn coating deposited by arc thermal spraying process in saline solution at prolong exposure periods. Scientific Reports, 2019, 9, 3399.	3.3	43
14	Experimental Study on the Electrochemical Anti-Corrosion Properties of Steel Structures Applying the Arc Thermal Metal Spraying Method. Materials, 2014, 7, 7722-7736.	2.9	42
15	Corrosion Resistance Properties of Aluminum Coating Applied by Arc Thermal Metal Spray in SAE J2334 Solution with Exposure Periods. Metals, 2016, 6, 55.	2.3	41
16	Comparative Study on Corrosion Protection of Reinforcing Steel by Using Amino Alcohol and Lithium Nitrite Inhibitors. Materials, 2015, 8, 251-269.	2.9	37
17	Mixture optimization of high-strength blended concrete using central composite design. Construction and Building Materials, 2020, 243, 118251.	7.2	37
18	An effective and novel pore sealing agent to enhance the corrosion resistance performance of Al coating in artificial ocean water. Scientific Reports, 2017, 7, 41935.	3.3	33

#	ARTICLE	IF	CITATIONS
19	Damage detection of wind turbine system based on signal processing approach: a critical review. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 561-580.	4.1	32
20	Fundamental Study on the Development of Structural Lightweight Concrete by Using Normal Coarse Aggregate and Foaming Agent. <i>Materials</i> , 2014, 7, 4536-4554.	2.9	29
21	Developing a road performance index using a Bayesian belief network model. <i>Journal of the Franklin Institute</i> , 2011, 348, 2539-2555.	3.4	27
22	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
23	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
24	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
25	Quantitative evaluation of free CaO in electric furnace slag using the ethylene glycol method. <i>Construction and Building Materials</i> , 2017, 131, 676-681.	7.2	22
26	Influence of Zn and Mg Alloying on the Corrosion Resistance Properties of Al Coating Applied by Arc Thermal Spray Process in Simulated Weather Solution. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 591-603.	2.9	22
27	Optimization of Micro and Nano Palm Oil Fuel Ash to Determine the Carbonation Resistance of the Concrete in Accelerated Condition. <i>Materials</i> , 2019, 12, 130.	2.9	20
28	Protection of Reinforced Concrete Structures of Waste Water Treatment Reservoirs with Stainless Steel Coating Using Arc Thermal Spraying Technique in Acidified Water. <i>Materials</i> , 2016, 9, 753.	2.9	17
29	Study on the Shielding Effectiveness of an Arc Thermal Metal Spraying Method against an Electromagnetic Pulse. <i>Materials</i> , 2017, 10, 1155.	2.9	17
30	Monitoring corrosion rate for ordinary portland concrete (OPC) and high-performance concrete (HPC) specimens subjected to chloride attack. <i>Canadian Journal of Civil Engineering</i> , 2002, 29, 863-874.	1.3	15
31	Time and cold joint effect on chloride diffusion in concrete containing GGBFS under various loading conditions. <i>Construction and Building Materials</i> , 2018, 167, 739-748.	7.2	15
32	Recycled Concrete Aggregates and Their Influences on Performances of Low and Normal Strength Concretes. <i>Buildings</i> , 2020, 10, 167.	3.1	15
33	PROPERTIES OF MORTAR CONTAINING CERAMIC POWDER WASTE AS CEMENT REPLACEMENT. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 77, .	0.4	14
34	Arc thermal metal spray for the protection of steel structures: an overview. <i>Corrosion Reviews</i> , 2015, 33, 31-61.	2.0	13
35	Experimental research on development of heated form incorporating exothermic reaction powder to protect concrete in cold weather. <i>Construction and Building Materials</i> , 2017, 135, 30-36.	7.2	11
36	Durability performance of concrete containing laterite aggregates. <i>KSCE Journal of Civil Engineering</i> , 2015, 19, 2217-2224.	1.9	10

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37	LONG TERM STUDIES ON COMPRESSIVE STRENGTH OF HIGH VOLUME NANO PALM OIL FUEL ASH MORTAR MIXES. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	9
38	Evaluation of CO2 emissionâ€“absorption of fly-ash-blended concrete structures using cement-hydration-based carbonation model. Materials and Structures/Materiaux Et Constructions, 2015, 48, 3949-3963.	3.1	9
39	Development and study of deck joints in prefabricated concrete bulb-tee bridge girders: Experimental evaluation. Bridge Structures, 2015, 11, 55-71.	0.4	7
40	Effect of Using Micropalm Oil Fuel Ash as Partial Replacement of Cement on the Properties of Cement Mortar. Advances in Materials Science and Engineering, 2018, 2018, 1-8.	1.8	6
41	Deposition of Coating to Protect Waste Water Reservoir in Acidic Solution by Arc Thermal Spray Process. Advances in Materials Science and Engineering, 2018, 2018, 1-13.	1.8	6
42	Mechanical capabilities and fire endurance of natural rubber latex modified concrete. Canadian Journal of Civil Engineering, 2011, 38, 661-668.	1.3	5
43	A Synergistic Effect of <i>Moringa oleifera</i> -Based Coagulant and Ultrafiltration for the Wastewater Treatment Collected from Final ETP. Adsorption Science and Technology, 2022, 2022, .	3.2	5
44	Interactive buckling of structural local bamboo in Malaysia. IOP Conference Series: Earth and Environmental Science, 2019, 220, 012036.	0.3	4
45	Performance of Palm Oil Clinker Lightweight Aggregate Concrete Comprising Spent Garnet as Fine Aggregate Replacement. Advances in Civil Engineering, 2022, 2022, 1-13.	0.7	3
46	Effect of Incorporation of Waste Ash on the Behavior of Concrete and Mortar. International Journal of Sustainable Building Technology and Urban Development, 2010, 1, 74-79.	1.0	2
47	Embedded sensor system to detect chloride permeation in concrete: an overview. Corrosion Engineering Science and Technology, 2017, 52, 373-382.	1.4	2
48	Influence of Oil Palm Biomass Waste on Compressive Strength and Chloride Penetration of Mortar. MATEC Web of Conferences, 2017, 138, 01008.	0.2	2
49	PERFORMANCE OF EPOXY RESIN AS SELF-HEALING AGENT. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	1
50	ISOLATION OF THERMOTOLERANT BACTERIA PRODUCING FIBRINOLYTIC ENZYME. Jurnal Teknologi (Sciences) Tj ETQ0 0 0 rgBT /Overlo	0.4	1
51	POLYMER CONCRETE TO NORMAL CONCRETE BOND STRENGTH: MOHR-COULOMB THEORY. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	1
52	Polyanilineâ€“Grapheneâ€“Gold Nanocomposite for Visible Light Active Photo Catalysis and Enhanced Thermal Electrical Stability. Polymer Science - Series B, 2019, 61, 653-662.	0.8	1
53	Improved Low-Resolution Quantized SIMO Estimation via Deep Learning. IEEE Wireless Communications Letters, 2020, 9, 1331-1335.	5.0	1
54	THE EFFECT OF OIL PALM KERNEL SHELL IN PRODUCING DIFFERENT TYPES OF POFA BASED MORTAR. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	1

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55	EFFECTIVENESS OF PALM OIL FUEL ASH AS MICRO-FILLER IN POLYMER CONCRETE. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	0
56	EFFECT OF POST-CURING REGIME ON DENSITY, COMPRESSIVE STRENGTH AND CROSSLINKING OF POLYMER CONCRETE. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	0
57	INCORPORATION OF HOMOGENOUS CERAMIC TILE WASTE TO ENHANCE MECHANICAL PROPERTIES OF MORTAR. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	0
58	Physico-Mechanical Properties of Polymer Concrete Containing Micro-Filler of Palm Oil Fuel Ash. Advanced Science Letters, 2018, 24, 3974-3977.	0.2	0