

Mohammad R Irshidat

List of Publications by Year in descending order

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times ranked

536
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal performance and fire resistance of nanoclay modified cementitious materials. <i>Construction and Building Materials</i> , 2018, 159, 213-219.	3.2	72
2	Effect of using carbon nanotube modified epoxy on bond-slip behavior between concrete and FRP sheets. <i>Construction and Building Materials</i> , 2016, 105, 511-518.	3.2	62
3	Effect of carbon nanotubes on strengthening of RC beams retrofitted with carbon fiber/epoxy composites. <i>Materials and Design</i> , 2016, 89, 225-234.	3.3	50
4	Using textile reinforced mortar modified with carbon nano tubes to improve flexural performance of RC beams. <i>Composite Structures</i> , 2018, 200, 127-134.	3.1	38
5	Nanoparticle Reinforced Polymer for Blast Protection of Unreinforced Masonry Wall: Laboratory Blast Load Simulation and Design Models. <i>Journal of Structural Engineering</i> , 2011, 137, 1193-1204.	1.7	37
6	Using carbon nanotubes to improve strengthening efficiency of carbon fiber/epoxy composites confined RC columns. <i>Composite Structures</i> , 2015, 134, 523-532.	3.1	32
7	Flexural strength recovery of heat-damaged RC beams using carbon nanotubes modified CFRP. <i>Construction and Building Materials</i> , 2017, 145, 474-482.	3.2	24
8	Hybrid effect of carbon nanotubes and polypropylene microfibers on fire resistance, thermal characteristics and microstructure of cementitious composites. <i>Construction and Building Materials</i> , 2021, 266, 121154.	3.2	21
9	Feasibility of recycling waste carbon black in cement mortar production: Environmental life cycle assessment and performance evaluation. <i>Construction and Building Materials</i> , 2021, 296, 123740.	3.2	19
10	Deterioration of Bond Integrity between Repair Material and Concrete due to Thermal and Mechanical Incompatibilities. <i>Journal of Materials in Civil Engineering</i> , 2010, 22, 136-144.	1.3	18
11	Influence of Nanoclay on the Properties and Morphology of Cement Mortar. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 4056-4063.	0.9	17
12	Improved bond behavior between FRP reinforcing bars and concrete with carbon nanotubes. <i>Construction and Building Materials</i> , 2020, 257, 119562.	3.2	17
13	Repair of heat-damaged RC columns using carbon nanotubes modified CFRP. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	1.3	15
14	Strength optimisation of mortar with CNTs and nanoclays. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2016, 169, 340-356.	0.4	14
15	Utilizing Vacuum Bagging Process to Prepare Carbon Fiber/CNT-Modified-epoxy Composites with Improved Mechanical Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 175-184.	1.9	14
16	Feasibility of producing sustainable geopolymer composites made of locally available natural pozzolan. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 1751-1760.	1.6	14
17	Potential utilization of municipal solid waste incineration ashes as sand replacement for developing sustainable cementitious binder. <i>Construction and Building Materials</i> , 2021, 312, 125488.	3.2	14
18	Carbon Nanotubes Dosage Optimization for Strength Enhancement of Cementitious Composites. <i>Procedia Manufacturing</i> , 2020, 44, 366-370.	1.9	12

#	ARTICLE	IF	CITATIONS
19	The Role of Polypropylene Microfibers in Thermal Properties and Post-Heating Behavior of Cementitious Composites. <i>Materials</i> , 2020, 13, 2676.	1.3	12
20	Industrial Waste Utilization of Carbon Dust in Sustainable Cementitious Composites Production. <i>Materials</i> , 2020, 13, 3295.	1.3	11
21	The Impact of Energy Source on the Life-Cycle Assessment of Power-to-Liquid Fuels. <i>Journal of Ecological Engineering</i> , 2019, 20, 239-244.	0.5	10
22	Effect of Nanoclay on the Expansive Potential of Cement Mortar due to Alkali-Silica Reaction. <i>ACI Materials Journal</i> , 2015, 112, .	0.3	9
23	Ambient and Heat-Cured Geopolymer Composites: Mix Design Optimization and Life Cycle Assessment. <i>Sustainability</i> , 2022, 14, 4942.	1.6	9
24	Influence of Carbon Nanotubes on Phase Composition, Thermal and Post-Heating Behavior of Cementitious Composites. <i>Molecules</i> , 2021, 26, 850.	1.7	8
25	Thermal behavior and post-heating fracture characteristics of polypropylene microfiber-reinforced geopolymer binders. <i>Construction and Building Materials</i> , 2022, 332, 127310.	3.2	8
26	Bond strength evaluation between textiles reinforced mortar with carbon nanotubes and concrete substrate. <i>Latin American Journal of Solids and Structures</i> , 2019, 16, .	0.6	6
27	Effect of elevated temperatures on mechanical performance of cement mortar with nanoclay. <i>MATEC Web of Conferences</i> , 2017, 120, 02005.	0.1	5
28	Bond strength evaluation between steel rebars and carbon nanotubes modified concrete. <i>Case Studies in Construction Materials</i> , 2021, 14, e00477.	0.8	5
29	Post-heating behavior of concrete beams reinforced with fiber reinforced polymer bars. <i>Structural Engineering and Mechanics</i> , 2015, 53, 1253-1269.	1.0	5
30	Sustainable alkali-activated binders with municipal solid waste incineration ashes as sand or fly ash replacement. <i>Journal of Material Cycles and Waste Management</i> , 2022, 24, 992-1008.	1.6	5
31	Effect of viscosity reducing agent on the properties of CNT/epoxy nanocomposites. <i>Journal of Polymer Engineering</i> , 2016, 36, 407-412.	0.6	4
32	Effect of initial and final curing on performance of concrete in hot and arid climates. <i>Structural Concrete</i> , 2020, 21, 1144-1156.	1.5	3
33	Mechanical and Electromagnetic Properties of Self-Compacted Geopolymer Concretes With Nano Silica and Steel Fiber Additives. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-8.	2.4	3
34	Correlating Micromorphology and Nanomorphology to High Strain Rate Performance of Nanoparticle Reinforced Polymeric Materials. <i>Journal of Nanomechanics & Micromechanics</i> , 2012, 2, 55-64.	1.4	2
35	Repair of Heat-Damaged RC Beams Using Micro-concrete Modified with Carbon Nanotubes. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 2534-2543.	0.9	2
36	Sustainable utilization of waste carbon black in alkali-activated mortar production. <i>Case Studies in Construction Materials</i> , 2021, 15, e00743.	0.8	2

#	ARTICLE	IF	CITATIONS
37	Blast Resistance of Unreinforced Masonry (URM) Walls Retrofitted with Nano Reinforced Elastomeric Materials. , 2009, , .		1
38	Effect of Heating Level on the Contribution of CFRP Bars in the Axial Load-carrying Capacity of RC Columns. International Journal of Civil Engineering, 2022, 20, 513-527.	0.9	1
39	Effect of bond enhancement using carbon nanotubes on flexural behavior of RC beams strengthened with externally bonded CFRP sheets. Frontiers of Structural and Civil Engineering, 2022, 16, 131.	1.2	1