

# Muhammad Junaid Munir

## List of Publications by Citations

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51  
papers

1,453  
citations

22  
h-index

37  
g-index

55  
ext. papers

2,011  
ext. citations

5.6  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
51	Manufacturing of sustainable clay bricks: Utilization of waste sugarcane bagasse and rice husk ashes. <i>Construction and Building Materials</i> , <b>2016</b> , 120, 29-41	6.7	130
50	Properties enhancement of recycled aggregate concrete through pretreatment of coarse aggregates [Comparative assessment of assorted techniques. <i>Journal of Cleaner Production</i> , <b>2018</b> , 191, 339-349	10.3	94
49	Production of sustainable clay bricks using waste fly ash: Mechanical and durability properties. <i>Journal of Building Engineering</i> , <b>2017</b> , 14, 7-14	5.2	94
48	Exploratory study on the effect of waste rice husk and sugarcane bagasse ashes in burnt clay bricks. <i>Journal of Building Engineering</i> , <b>2016</b> , 7, 372-378	5.2	83
47	Thermally efficient fired clay bricks incorporating waste marble sludge: An industrial-scale study. <i>Journal of Cleaner Production</i> , <b>2018</b> , 174, 1122-1135	10.3	77
46	Slag waste incorporation in high early strength concrete as cement replacement: Environmental impact and influence on hydration & durability attributes. <i>Journal of Cleaner Production</i> , <b>2018</b> , 172, 3056-3065	10.3	69
45	Influence of different treatment methods on the mechanical behavior of recycled aggregate concrete: A comparative study. <i>Cement and Concrete Composites</i> , <b>2019</b> , 104, 103398	8.6	67
44	Axial stress-strain behavior of macro-synthetic fiber reinforced recycled aggregate concrete. <i>Cement and Concrete Composites</i> , <b>2019</b> , 97, 341-356	8.6	64
43	Pozzolanic reaction of sugarcane bagasse ash and its role in controlling alkali silica reaction. <i>Construction and Building Materials</i> , <b>2017</b> , 148, 231-240	6.7	59
42	Feasibility of Using Waste Glass Sludge in Production of Ecofriendly Clay Bricks. <i>Journal of Materials in Civil Engineering</i> , <b>2017</b> , 29, 04017056	3	57
41	Thermal performance evaluation of eco-friendly bricks incorporating waste glass sludge. <i>Journal of Cleaner Production</i> , <b>2018</b> , 172, 1867-1880	10.3	53
40	Effect of macro-synthetic fibers on the fracture energy and mechanical behavior of recycled aggregate concrete. <i>Construction and Building Materials</i> , <b>2018</b> , 189, 857-868	6.7	53
39	Potential of rice husk ash for mitigating the alkali-silica reaction in mortar bars incorporating reactive aggregates. <i>Construction and Building Materials</i> , <b>2017</b> , 132, 61-70	6.7	52
38	Efficiency of waste marble powder in controlling alkali-silica reaction of concrete: A sustainable approach. <i>Construction and Building Materials</i> , <b>2017</b> , 154, 590-599	6.7	51
37	Thermal performance enhancement of eco-friendly bricks incorporating agro-wastes. <i>Energy and Buildings</i> , <b>2018</b> , 158, 1117-1129	7	50
36	Effect of recycled aggregate treatment techniques on the durability of concrete: A comparative evaluation. <i>Construction and Building Materials</i> , <b>2020</b> , 264, 120284	6.7	42
35	Effect of compression casting method on the compressive strength, elastic modulus and microstructure of rubber concrete. <i>Journal of Cleaner Production</i> , <b>2020</b> , 264, 121746	10.3	41

34	Effect of different aggregate treatment techniques on the freeze-thaw and sulfate resistance of recycled aggregate concrete. <i>Cold Regions Science and Technology</i> , <b>2020</b> , 178, 103126	3.8	38
33	Application of waste tire rubber and recycled aggregates in concrete products: A new compression casting approach. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 167, 105353	11.9	34
32	Stress-strain behavior of spirally confined recycled aggregate concrete: An approach towards sustainable design. <i>Resources, Conservation and Recycling</i> , <b>2019</b> , 146, 127-139	11.9	32
31	Development of Eco-Friendly Fired Clay Bricks Incorporating Recycled Marble Powder. <i>Journal of Materials in Civil Engineering</i> , <b>2018</b> , 30, 04018069	3	32
30	Stress strain performance of steel spiral confined recycled aggregate concrete. <i>Cement and Concrete Composites</i> , <b>2020</b> , 108, 103535	8.6	25
29	Development of a unified model to predict the axial stress-strain behavior of recycled aggregate concrete confined through spiral reinforcement. <i>Engineering Structures</i> , <b>2020</b> , 218, 110851	4.7	17
28	Influence of bottom ash and polypropylene fibers on the physico-mechanical, durability and thermal performance of foam concrete: An experimental investigation. <i>Construction and Building Materials</i> , <b>2021</b> , 306, 124887	6.7	16
27	Role of test method in detection of alkali-silica reactivity of concrete aggregates. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , <b>2018</b> , 171, 203-221	0.8	15
26	Synthesis and Applications of Nano Titania Particles: A Review. <i>Reviews on Advanced Materials Science</i> , <b>2018</b> , 53, 90-105	4.8	14
25	Mechanical and Post-Cracking Performance of Recycled Aggregate Concrete Incorporating Synthetic Fibers. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 829, 012003	0.4	9
24	Investigation of thermal performance of concrete incorporating different types of recycled coarse aggregates. <i>Construction and Building Materials</i> , <b>2021</b> , 270, 121433	6.7	9
23	Synergistic effect of rice husk, glass and marble sludges on the engineering characteristics of eco-friendly bricks. <i>Journal of Building Engineering</i> , <b>2021</b> , 42, 102484	5.2	9
22	Influence of Concrete Strength on the Stress-Strain Behavior of Spirally Confined Recycled Aggregate Concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 829, 012004	0.4	8
21	Axial stress-strain performance of steel spiral confined acetic acid immersed and mechanically rubbed recycled aggregate concrete. <i>Journal of Building Engineering</i> , <b>2021</b> , 34, 101891	5.2	8
20	Feasibility of using clay-free bricks manufactured from water treatment sludge, glass, and marble wastes: An exploratory study. <i>Construction and Building Materials</i> , <b>2021</b> , 298, 123843	6.7	8
19	Recycling industrial slags in production of fired clay bricks for sustainable manufacturing. <i>Ceramics International</i> , <b>2021</b> , 47, 30425-30438	5.1	8
18	A study on magnesium phosphate cement mortars reinforced by polyvinyl alcohol fibers. <i>Construction and Building Materials</i> , <b>2021</b> , 302, 124154	6.7	6
17	Lunar concrete: Prospects and challenges. <i>Astronomy Reports</i> , <b>2016</b> , 60, 306-312	1.1	5

16	Evolutionary artificial intelligence approach for performance prediction of bio-composites. <i>Construction and Building Materials</i> , <b>2021</b> , 290, 123254	6.7	4
15	Axial Stress-Strain Performance of Recycled Aggregate Concrete Reinforced with Macro-Polypropylene Fibres. <i>Sustainability</i> , <b>2021</b> , 13, 5741	3.6	3
14	A Literature Review on Alkali Silica Reactivity of Concrete. <i>International Journal of Strategic Engineering</i> , <b>2018</b> , 1, 43-62	0.7	3
13	Preparation and study of magnesium ammonium phosphate cement from waste lithium slag. <i>Journal of Cleaner Production</i> , <b>2021</b> , 316, 128371	10.3	3
12	Experimental study of fibre-reinforced interlocking mud bricks under compressive test. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , <b>2020</b> , 173, 181-189	0.8	2
11	Development of plant-concrete composites containing pretreated corn stalk bio-aggregates and different type of binders. <i>Cement and Concrete Composites</i> , <b>2021</b> , 121, 104054	8.6	2
10	Influence of micro Fe <sub>2</sub> O <sub>3</sub> and MgO on the physical and mechanical properties of the zeolite and kaolin based geopolymer mortar. <i>Journal of Building Engineering</i> , <b>2022</b> , 52, 104443	5.2	2
9	Influence of off-spec fly ash and surfactant-coated nano-iron-oxide on the fresh and hardened properties of cement pastes: An exploratory study. <i>Journal of Building Engineering</i> , <b>2022</b> , 48, 103976	5.2	1
8	Study of a new capillary active bio-insulation material by hygrothermal simulation of multilayer wall. <i>Energy and Buildings</i> , <b>2021</b> , 234, 110724	7	1
7	Development of novel design strength model for sustainable concrete columns: A new machine learning-based approach. <i>Journal of Cleaner Production</i> , <b>2022</b> , 357, 131988	10.3	1
6	Development of a novel compressive strength design equation for natural and recycled aggregate concrete through advanced computational modeling. <i>Journal of Building Engineering</i> , <b>2022</b> , 55, 104690	5.2	1
5	Recycled aggregate concrete <b>2022</b> , 211-227		0
4	Suitability of Gini moraines as natural pozzolanic material for Diemer Basha dam project. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , <b>2019</b> , 172, 173-178	0.8	0
3	Suitability Assessment of Marble, Glass Powders and Poly-Propylene Fibers for Improvement of Siwalik Clay. <i>Sustainability</i> , <b>2022</b> , 14, 2314	3.6	0
2	Evaluation of the Impact of Fines on the Performance of Sub-Base Materials. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 4513	2.6	0
1	Feasibility of Using Coal Ash for the Production of Sustainable Bricks. <i>Sustainability</i> , <b>2022</b> , 14, 6692	3.6	0