

# Bashar S Mohammed

## List of Publications by Year in descending order

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73  
papers

2,519  
citations

172207

29  
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205818

48  
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74  
all docs

74  
docs citations

74  
times ranked

1404  
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of crumb rubber hollow concrete block. <i>Journal of Cleaner Production</i> , 2012, 23, 57-67.	4.6	220
2	Incorporation of waste materials in the manufacture of masonry bricks: An update review. <i>Journal of Building Engineering</i> , 2019, 21, 37-54.	1.6	163
3	Mechanical performance of roller compacted concrete pavement containing crumb rubber and nano silica. <i>Construction and Building Materials</i> , 2018, 159, 234-251.	3.2	147
4	Mechanical properties and performance of high volume fly ash roller compacted concrete containing crumb rubber and nano silica. <i>Construction and Building Materials</i> , 2018, 171, 521-538.	3.2	112
5	Rubbercrete mixture optimization using response surface methodology. <i>Journal of Cleaner Production</i> , 2018, 171, 1605-1621.	4.6	111
6	Properties of nano-silica-modified self-compacting engineered cementitious composites. <i>Journal of Cleaner Production</i> , 2017, 162, 1225-1238.	4.6	95
7	Properties of nano silica modified rubbercrete. <i>Journal of Cleaner Production</i> , 2016, 119, 66-75.	4.6	92
8	Evaluation of rubbercrete based on ultrasonic pulse velocity and rebound hammer tests. <i>Construction and Building Materials</i> , 2011, 25, 1388-1397.	3.2	88
9	Structural behavior and $\mu$ value of composite slab utilizing concrete containing crumb rubber. <i>Construction and Building Materials</i> , 2010, 24, 1214-1221.	3.2	75
10	Optimization and characterization of cast in-situ alkali-activated pastes by response surface methodology. <i>Construction and Building Materials</i> , 2019, 225, 776-787.	3.2	65
11	Mechanical and microstructural properties of high calcium fly ash one-part geopolymer cement made with granular activator. <i>Heliyon</i> , 2019, 5, e02255.	1.4	65
12	Mix proportioning of concrete containing paper mill residuals using response surface methodology. <i>Construction and Building Materials</i> , 2012, 35, 63-68.	3.2	61
13	Optimization of hybrid fibres in engineered cementitious composites. <i>Construction and Building Materials</i> , 2018, 190, 24-37.	3.2	61
14	Properties of nano-silica modified pervious concrete. <i>Case Studies in Construction Materials</i> , 2018, 8, 409-422.	0.8	49
15	Development of rubberized geopolymer interlocking bricks. <i>Case Studies in Construction Materials</i> , 2018, 8, 401-408.	0.8	47
16	Strength reduction factors for structural rubbercrete. <i>Frontiers of Structural and Civil Engineering</i> , 2014, 8, 270-281.	1.2	43
17	Enhanced properties of cementitious composite tailored with graphene oxide nanomaterial - A review. <i>Developments in the Built Environment</i> , 2020, 1, 100002.	2.0	41
18	Effect of paste aggregate ratio and curing methods on the performance of one-part alkali-activated concrete. <i>Construction and Building Materials</i> , 2020, 261, 120024.	3.2	40

#	ARTICLE	IF	CITATIONS
19	Effects of elevated temperature on the tensile properties of NS-modified self-consolidating engineered cementitious composites and property optimization using response surface methodology (RSM). <i>Construction and Building Materials</i> , 2019, 206, 449-469.	3.2	39
20	Characteristic compressive strength correlation of rubberized concrete interlocking masonry wall. <i>Structures</i> , 2020, 26, 169-184.	1.7	39
21	The influence of high temperature on microstructural damage and residual properties of nano-silica-modified (NS-modified) self-consolidating engineering cementitious composites (SC-ECC) using response surface methodology (RSM). <i>Construction and Building Materials</i> , 2018, 192, 450-466.	3.2	38
22	Long-Term Strength Development of Fly Ash-Based One-Part Alkali-Activated Binders. <i>Materials</i> , 2021, 14, 4160.	1.3	38
23	Bond behaviour of nano-silica-modified self-compacting engineered cementitious composite using response surface methodology. <i>Construction and Building Materials</i> , 2019, 224, 796-814.	3.2	37
24	Acid and Sulphate Attacks on a Rubberized Engineered Cementitious Composite Containing Graphene Oxide. <i>Materials</i> , 2020, 13, 3125.	1.3	36
25	An Artificial neural networks (ANN) model for evaluating construction project performance based on coordination factors. <i>Cogent Engineering</i> , 2018, 5, 1507657.	1.1	35
26	Development of response surface models for self-compacting hybrid fibre reinforced rubberized cementitious composite. <i>Construction and Building Materials</i> , 2020, 232, 117191.	3.2	34
27	Strengthening the Structural Behavior of Web Openings in RC Deep Beam Using CFRP. <i>Materials</i> , 2020, 13, 2804.	1.3	34
28	Shear Failure of RC Dapped-End Beams. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-11.	1.0	33
29	Effect of Elevated Temperature on the Compressive Strength and Durability Properties of Crumb Rubber Engineered Cementitious Composite. <i>Materials</i> , 2020, 13, 3516.	1.3	31
30	Structural equation modelling of construction project performance based on coordination factors. <i>Cogent Engineering</i> , 2020, 7, 1726069.	1.1	31
31	Flexural Behavior of Double-Skin Steel Tube Beams Filled with Fiber-Reinforced Cementitious Composite and Strengthened with CFRP Sheets. <i>Materials</i> , 2020, 13, 3064.	1.3	30
32	Deformation Properties of Rubberized ECC Incorporating Nano Graphene Using Response Surface Methodology. <i>Materials</i> , 2020, 13, 2831.	1.3	28
33	Experimental study on axial compressive behavior of rubberized interlocking masonry walls. <i>Journal of Building Engineering</i> , 2020, 29, 101107.	1.6	26
34	Effect of crumb rubber and nano silica on the fatigue performance of roller compacted concrete pavement. <i>Cogent Engineering</i> , 2018, 5, 1436027.	1.1	25
35	Modelling and optimization of the mechanical properties of engineered cementitious composite containing crumb rubber pretreated with graphene oxide using response surface methodology. <i>Construction and Building Materials</i> , 2021, 310, 125259.	3.2	23
36	Effects of different crumb rubber sizes on the flowability and compressive strength of hybrid fibre reinforced ECC. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 140, 012137.	0.2	22

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37	Durability performance of high volume fly ash roller compacted concrete pavement containing crumb rubber and nano silica. International Journal of Pavement Engineering, 2020, 21, 1437-1444.	2.2	22
38	Bond behaviour of CFRP-strengthened ECC using Response Surface Methodology (RSM). Case Studies in Construction Materials, 2020, 12, e00327.	0.8	21
39	Performance of Fly Ash-Based Inorganic Polymer Mortar with Petroleum Sludge Ash. Polymers, 2021, 13, 4143.	2.0	21
40	Effect of Crumb Rubber, Fly Ash, and Nanosilica on the Properties of Self-Compacting Concrete Using Response Surface Methodology. Materials, 2022, 15, 1501.	1.3	21
41	Utilization of Crumb Rubber and High-Volume Fly Ash in Concrete for Environmental Sustainability: RSM-Based Modeling and Optimization. Materials, 2021, 14, 3322.	1.3	20
42	Optimization of Cement-Based Mortar Containing Oily Sludge Ash by Response Surface Methodology. Materials, 2021, 14, 6308.	1.3	20
43	Skid Resistance of nano silica modified roller compacted rubbercrete for pavement applications: Experimental methods and response surface methodology. Cogent Engineering, 2018, 5, 1452664.	1.1	18
44	Deformation Properties of Rubberized Engineered Cementitious Composites Using Response Surface Methodology. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 729-740.	1.0	18
45	Structural Performance of RC and R-ECC Dapped-End Beams Based on the Role of Hanger or Diagonal Reinforcements Combined by ECC. International Journal of Concrete Structures and Materials, 2019, 13, .	1.4	16
46	Effects of petroleum sludge ash in fly ash-based geopolymer mortar. Construction and Building Materials, 2021, 272, 121939.	3.2	13
47	Modelling and multi-objective optimization of the fresh and mechanical properties of self-compacting high volume fly ash ECC (HVFA-ECC) using response surface methodology (RSM). Case Studies in Construction Materials, 2021, 14, e00525.	0.8	13
48	Non-destructive evaluation of nano silica-modified roller-compacted rubbercrete using combined SonReb and response surface methodology. Road Materials and Pavement Design, 2019, 20, 815-835.	2.0	12
49	Mechanical Properties of Crumb Rubber Mortar Containing Nano-Silica Using Response Surface Methodology. Materials, 2021, 14, 5496.	1.3	12
50	Properties of Modified High Permeable Concrete with a Crumb Rubber. Open Civil Engineering Journal, 2019, 13, 82-91.	0.4	12
51	Effects of Graphene Oxide and Crumb Rubber on the Fresh Properties of Self-Compacting Engineered Cementitious Composite Using Response Surface Methodology. Materials, 2022, 15, 2519.	1.3	12
52	Properties of Rubberized Engineered Cementitious Composites Containing Nano-Silica. Materials, 2021, 14, 3765.	1.3	10
53	Investigation of Fibers Reinforced Engineered Cementitious Composites Properties Using Quartz Powder. Materials, 2020, 13, 2428.	1.3	9
54	Modelling and Optimization of the Impact Resistance of Graphene Oxide Modified Crumb Rubber-ECC Using Response Surface Methodology. IOP Conference Series: Materials Science and Engineering, 2021, 1197, 012043.	0.3	9

#	ARTICLE	IF	CITATIONS
55	EVALUATING THE STATIC AND DYNAMIC MODULUS OF ELASTICITY OF ROLLER COMPACTED RUBBERCRETE USING RESPONSE SURFACE METHODOLOGY. <i>International Journal of GEOMATE</i> , 2018, 14, .	0.1	8
56	Mechanical, Microstructural and Drying Shrinkage Properties of NaOH-Pretreated Crumb Rubber Concrete: RSM-Based Modeling and Optimization. <i>Materials</i> , 2022, 15, 2588.	1.3	8
57	On rubberized engineered cementitious composites (R-ECC): A review of the constituent material. <i>Case Studies in Construction Materials</i> , 2021, 14, e00536.	0.8	7
58	Study on the Properties of Compressed Bricks Using Cameron Highlands Reservoir Sediment as Primary Material. <i>Applied Mechanics and Materials</i> , 0, 710, 25-29.	0.2	6
59	Performance of Reinforced Concrete Slab with Opening Strengthened Using CFRP. <i>Fibers</i> , 2020, 8, 25.	1.8	6
60	Physical properties of rubberized self-consolidating concrete (R-SCC) incorporating nano-silica. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	6
61	Experimental study on compressive strength of sediment brick masonry. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	5
62	Prediction of failure load of RC and R-ECC dapped-end beams. <i>Case Studies in Construction Materials</i> , 2020, 13, e00433.	0.8	5
63	Experiments and Mechanical Simulation on Bubble Concrete: Studies on the Effects of Shape and Position of Hollow Bodies Mixed in Concrete. <i>Crystals</i> , 2021, 11, 858.	1.0	5
64	Bond Relationship of Carbon Fiber-Reinforced Polymer (CFRP) Strengthened Steel Plates Exposed to Service Temperature. <i>Materials</i> , 2021, 14, 3761.	1.3	5
65	Effect of Waste Tire Rubber on the Durability Behavior of Cement Composites: A Review. <i>Journal of Infrastructure &amp; Facility Asset Management</i> , 2021, 2, .	0.1	5
66	Below-Grade Sulfur Storage Pits in Oil Refineries: A Review. <i>Journal of Failure Analysis and Prevention</i> , 2019, 19, 1745-1760.	0.5	4
67	Lateral Infiltration Capacity of Pervious Concrete and Its Performance as Pavement Curb. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	1.3	4
68	Structural Quality of Graphene Oxide Nanosheets on the Basis of Defect Ratio: A Raman Study. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 423-439.	0.3	3
69	Effect of crumb rubber and nano silica on the durability performance of high volume fly ash roller compacted concrete pavement. <i>International Journal of Advanced and Applied Sciences</i> , 2018, 5, 53-61.	0.2	2
70	Effect of Hollow Body Material on Mechanical Properties of Bubble Concrete. <i>Crystals</i> , 2022, 12, 708.	1.0	2
71	Utilizing of Crumb Rubber Derived Recycled Scrap Tires in Masonry Application: A Review. <i>Materials Science Forum</i> , 0, 1030, 73-87.	0.3	1
72	Enhancing Studentsâ€™ Competency and Learning Experience in Structural Engineering through Collaborative Building Design Practices. <i>Buildings</i> , 2022, 12, 501.	1.4	1

#	ARTICLE	IF	CITATIONS
73	High permeable concrete incorporating pozzolanic materials- An experimental investigation. , 2013, , .		0