

Rao Arsalan khushnood

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,130
citations

394421

19
h-index

395702

33
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42
all docs

42
docs citations

42
times ranked

836
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of pyrolytic carbonized bagasse to immobilize <i>Bacillus subtilis</i> ; application in healing micro-cracks and fracture properties of concrete. <i>Cement and Concrete Composites</i> , 2022, 126, 104334.	10.7	41
2	Self-Healing Nano-Concrete for Futuristic Infrastructures: A Review. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 5365-5375.	3.0	7
3	Bio-inspired self-healing and self-sensing cementitious mortar using <i>Bacillus subtilis</i> immobilized on graphitic platelets. <i>Construction and Building Materials</i> , 2022, 316, 125818.	7.2	13
4	Performance Evaluation of MWCNTs Reinforced Cement Mortar Composites using Natural and Commercial Surfactants. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2022, 37, 47-57.	1.0	2
5	Self-healing fungi concrete using potential strains <i>Rhizopus oryzae</i> and <i>Trichoderma longibrachiatum</i> . <i>Journal of Building Engineering</i> , 2022, 50, 104155.	3.4	4
6	An integrated and eco-friendly approach for corrosion inhibition and microstructural densification of reinforced concrete by immobilizing <i>Bacillus subtilis</i> in pyrolytic sugarcane-bagasse. <i>Journal of Cleaner Production</i> , 2022, 355, 131785.	9.3	21
7	Prediction of Compressive Strength of Sustainable Foam Concrete Using Individual and Ensemble Machine Learning Approaches. <i>Materials</i> , 2022, 15, 3166.	2.9	32
8	Predictive modelling of sustainable lightweight foamed concrete using machine learning novel approach. <i>Journal of Building Engineering</i> , 2022, 56, 104746.	3.4	15
9	Influence of carbon nano fibers (CNF) on the performance of high strength concrete exposed to elevated temperatures. <i>Construction and Building Materials</i> , 2021, 268, 121108.	7.2	31
10	Isolation of alkaliphilic calcifying bacteria and their feasibility for enhanced CaCO_3 precipitation in bio-based cementitious composites. <i>Microbial Biotechnology</i> , 2021, 14, 1044-1059.	4.2	24
11	Incorporation of Wheat Straw Ash as Partial Sand Replacement for Production of Eco-Friendly Concrete. <i>Materials</i> , 2021, 14, 2078.	2.9	9
12	Mechanical and energy performance of variably cured effective microorganisms cementitious composite designed via Taguchi. <i>Journal of Cleaner Production</i> , 2021, 310, 127350.	9.3	10
13	A Predictive Mimicker of Fracture Behavior in Fiber Reinforced Concrete Using Machine Learning. <i>Materials</i> , 2021, 14, 7669.	2.9	14
14	Bio-mineralized self-healing recycled aggregate concrete for sustainable infrastructure. <i>Science of the Total Environment</i> , 2020, 703, 135007.	8.0	75
15	Pyrolytic carbonaceous reinforcements for enhanced electromagnetic and fracture response of cementitious composites. <i>Journal of Cleaner Production</i> , 2020, 248, 119288.	9.3	11
16	Comparative performance of different bacteria immobilized in natural fibers for self-healing in concrete. <i>Construction and Building Materials</i> , 2020, 258, 119578.	7.2	87
17	Experimental Investigation of Hybrid Carbon Nanotubes and Graphite Nanoplatelets on Rheology, Shrinkage, Mechanical, and Microstructure of SCCM. <i>Materials</i> , 2020, 13, 230.	2.9	57
18	Influence of graphite nano/micro platelets on the residual performance of high strength concrete exposed to elevated temperature. <i>Construction and Building Materials</i> , 2020, 253, 119029.	7.2	34

#	ARTICLE	IF	CITATIONS
19	Comparative assessment of impact analysis methods applied to large commercial aircraft crash on reinforced concrete containment. PLoS ONE, 2020, 15, e0237264.	2.5	4
20	Title is missing!. , 2020, 15, e0237264.		0
21	Title is missing!. , 2020, 15, e0237264.		0
22	Title is missing!. , 2020, 15, e0237264.		0
23	Title is missing!. , 2020, 15, e0237264.		0
24	Synthesis and characterization of bio-immobilized nano/micro inert and reactive additives for feasibility investigation in self-healing concrete. Construction and Building Materials, 2019, 226, 492-506.	7.2	71
25	Effect of adding graphite nano/micro platelets on salt freeze-thaw resistance of nano-modificent concrete. Materials Research Express, 2019, 6, 095023.	1.6	6
26	Impact of pyrolytic carbonaceous nano inerts addition on fracture and electromagnetic interference shielding characteristics of cementitious composites. Theoretical and Applied Fracture Mechanics, 2019, 103, 102320.	4.7	20
27	Structural health assessment of fire damaged building using non-destructive testing and micro-graphical forensic analysis: A case study. Case Studies in Construction Materials, 2019, 11, e00258.	1.7	19
28	Response of Nano-Reinforced Cementitious Composites Using Natural and Commercial Dispersants. Proceedings (mdpi), 2019, 34, 23.	0.2	0
29	Bio-inspired self-healing cementitious mortar using <i>Bacillus subtilis</i> immobilized on nano-/micro-additives. Journal of Intelligent Material Systems and Structures, 2019, 30, 3-15.	2.5	28
30	Effective use of sawdust for the production of eco-friendly and thermal-energy efficient normal weight and lightweight concretes with tailored fracture properties. Journal of Cleaner Production, 2018, 184, 1016-1027.	9.3	63
31	Applications of Nano Technology in Civil Engineering. International Journal of Strategic Engineering, 2018, 1, 48-64.	0.3	8
32	Synthesis, characterization and applications of nano/micro carbonaceous inerts: A review. Procedia Structural Integrity, 2018, 9, 116-125.	0.8	9
33	Influence of bio-immobilized lime stone powder on self-healing behaviour of cementitious composites. IOP Conference Series: Materials Science and Engineering, 2018, 431, 062002.	0.6	7
34	Effect of Elevated Temperatures on Mechanical Performance of Normal and Lightweight Concretes Reinforced with Carbon Nanotubes. Fire Technology, 2018, 54, 1331-1367.	3.0	37
35	Bioimmobilized Limestone Powder for Autonomous Healing of Cementitious Systems: A Feasibility Study. Advances in Materials Science and Engineering, 2018, 2018, 1-9.	1.8	30
36	Ensembling Downscaling Techniques and Multiple GCMs to Improve Climate Change Predictions in Cryosphere Scarcely-Gauged Catchment. Water Resources Management, 2018, 32, 3155-3174.	3.9	11

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37	Improving the mechanical performance of cement composites by carbon nanotubes addition. <i>Procedia Structural Integrity</i> , 2017, 3, 11-17.	0.8	52
38	A Sustainable Graphene Based Cement Composite. <i>Sustainability</i> , 2017, 9, 1229.	3.2	55
39	Carbonized nano/microparticles for enhanced mechanical properties and electromagnetic interference shielding of cementitious materials. <i>Frontiers of Structural and Civil Engineering</i> , 2016, 10, 209-213.	2.9	79
40	High performance self-consolidating cementitious composites by using micro carbonized bamboo particles. <i>Materials & Design</i> , 2015, 76, 223-229.	5.1	88
41	Experimental Investigation on Use of Wheat Straw Ash and Bentonite in Self-Compacting Cementitious System. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-11.	1.8	33
42	Improvements in self-consolidating cementitious composites by using micro carbonized aggregates. <i>Frattura Ed Integrita Strutturale</i> , 2014, 8, 75-83.	0.9	23