

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
g-index

42
all docs

42
docs citations

42
times ranked

836
citing authors

#	ARTICLE	IF	CITATIONS
1	High performance self-consolidating cementitious composites by using micro carbonized bamboo particles. <i>Materials & Design</i> , 2015, 76, 223-229.	5.1	88
2	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
3	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
4	Bio-mineralized self-healing recycled aggregate concrete for sustainable infrastructure. <i>Science of the Total Environment</i> , 2020, 703, 135007.	8.0	75
5	Synthesis and characterization of bio-immobilized nano/micro inert and reactive additives for feasibility investigation in self-healing concrete. <i>Construction and Building Materials</i> , 2019, 226, 492-506.	7.2	71
6	Effective use of sawdust for the production of eco-friendly and thermal-energy efficient normal weight and lightweight concretes with tailored fracture properties. <i>Journal of Cleaner Production</i> , 2018, 184, 1016-1027.	9.3	63
7	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
8	A Sustainable Graphene Based Cement Composite. <i>Sustainability</i> , 2017, 9, 1229.	3.2	55
9	Improving the mechanical performance of cement composites by carbon nanotubes addition. <i>Procedia Structural Integrity</i> , 2017, 3, 11-17.	0.8	52
10	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
11	Effect of Elevated Temperatures on Mechanical Performance of Normal and Lightweight Concretes Reinforced with Carbon Nanotubes. <i>Fire Technology</i> , 2018, 54, 1331-1367.	3.0	37
12	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
13	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
14	Prediction of Compressive Strength of Sustainable Foam Concrete Using Individual and Ensemble Machine Learning Approaches. <i>Materials</i> , 2022, 15, 3166.	2.9	32
15	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
16	Bioimmobilized Limestone Powder for Autonomous Healing of Cementitious Systems: A Feasibility Study. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-9.	1.8	30
17	Bio-inspired self-healing cementitious mortar using <i>Bacillus subtilis</i> immobilized on nano-/micro-additives. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 3-15.	2.5	28
18	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

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19	Improvements in self-consolidating cementitious composites by using micro carbonized aggregates. <i>Frattura Ed Integrita Strutturale</i> , 2014, 8, 75-83.	0.9	23
20	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
21	Impact of pyrolytic carbonaceous nano inerts addition on fracture and electromagnetic interference shielding characteristics of cementitious composites. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 103, 102320.	4.7	20
22	Structural health assessment of fire damaged building using non-destructive testing and micro-graphical forensic analysis: A case study. <i>Case Studies in Construction Materials</i> , 2019, 11, e00258.	1.7	19
23	Predictive modelling of sustainable lightweight foamed concrete using machine learning novel approach. <i>Journal of Building Engineering</i> , 2022, 56, 104746.	3.4	15
24	A Predictive Mimicker of Fracture Behavior in Fiber Reinforced Concrete Using Machine Learning. <i>Materials</i> , 2021, 14, 7669.	2.9	14
25	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
26	Ensembling Downscaling Techniques and Multiple GCMs to Improve Climate Change Predictions in Cryosphere Scarcely-Gauged Catchment. <i>Water Resources Management</i> , 2018, 32, 3155-3174.	3.9	11
27	Pyrolytic carbonaceous reinforcements for enhanced electromagnetic and fracture response of cementitious composites. <i>Journal of Cleaner Production</i> , 2020, 248, 119288.	9.3	11
28	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
29	Synthesis, characterization and applications of nano/micro carbonaceous inerts: A review. <i>Procedia Structural Integrity</i> , 2018, 9, 116-125.	0.8	9
30	Incorporation of Wheat Straw Ash as Partial Sand Replacement for Production of Eco-Friendly Concrete. <i>Materials</i> , 2021, 14, 2078.	2.9	9
31	Applications of Nano Technology in Civil Engineering. <i>International Journal of Strategic Engineering</i> , 2018, 1, 48-64.	0.3	8
32	Influence of bio-immobilized lime stone powder on self-healing behaviour of cementitious composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 431, 062002.	0.6	7
33	Self-Healing Nano-Concrete for Futuristic Infrastructures: A Review. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 5365-5375.	3.0	7
34	Effect of adding graphite nano/micro platelets on salt freeze-thaw resistance of nano-modificent concrete. <i>Materials Research Express</i> , 2019, 6, 095023.	1.6	6
35	Comparative assessment of impact analysis methods applied to large commercial aircraft crash on reinforced concrete containment. <i>PLoS ONE</i> , 2020, 15, e0237264.	2.5	4
36	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

#	ARTICLE	IF	CITATIONS
37	Performance Evaluation of MWCNTs Reinforced Cement Mortar Composites using Natural and Commercial Surfactants. Journal Wuhan University of Technology, Materials Science Edition, 2022, 37, 47-57.	1.0	2
38	Response of Nano-Reinforced Cementitious Composites Using Natural and Commercial Dispersants. Proceedings (mdpi), 2019, 34, 23.	0.2	0
39	Title is missing!. , 2020, 15, e0237264.		0
40	Title is missing!. , 2020, 15, e0237264.		0
41	Title is missing!. , 2020, 15, e0237264.		0
42	Title is missing!. , 2020, 15, e0237264.		0