

Arslan Akbar

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

448
citations

13
h-index

21
g-index

21
ext. papers

844
ext. citations

5.6
avg, IF

5.29
L-index

#	Paper	IF	Citations
19	The recent progress of recycled steel fiber reinforced concrete. <i>Construction and Building Materials</i> , 2020 , 232, 117232	6.7	72
18	Predictive modeling for sustainable high-performance concrete from industrial wastes: A comparison and optimization of models using ensemble learners. <i>Journal of Cleaner Production</i> , 2021 , 292, 126032	10.3	47
17	New Prediction Model for the Ultimate Axial Capacity of Concrete-Filled Steel Tubes: An Evolutionary Approach. <i>Crystals</i> , 2020 , 10, 741	2.3	38
16	Applications of Gene Expression Programming for Estimating Compressive Strength of High-Strength Concrete. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-23	1.3	37
15	Prediction of Compressive Strength of Fly Ash Based Concrete Using Individual and Ensemble Algorithm. <i>Materials</i> , 2021 , 14,	3.5	37
14	Sugarcane bagasse ash-based engineered geopolymer mortar incorporating propylene fibers. <i>Journal of Building Engineering</i> , 2021 , 33, 101492	5.2	36
13	Assessing recycling potential of carbon fiber reinforced plastic waste in production of eco-efficient cement-based materials. <i>Journal of Cleaner Production</i> , 2020 , 274, 123001	10.3	34
12	Experimental Investigation of Hybrid Carbon Nanotubes and Graphite Nanoplatelets on Rheology, Shrinkage, Mechanical, and Microstructure of SCCM. <i>Materials</i> , 2020 , 13,	3.5	29
11	Application of Gene Expression Programming (GEP) for the Prediction of Compressive Strength of Geopolymer Concrete. <i>Materials</i> , 2021 , 14,	3.5	26
10	Influence of elevated temperature on the microstructure and mechanical performance of cement composites reinforced with recycled carbon fibers. <i>Composites Part B: Engineering</i> , 2020 , 198, 108245	10	19
9	A comparative study on performance evaluation of hybrid GNPs/CNTs in conventional and self-compacting mortar. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 369-379	6.1	16
8	Geopolymer concrete as sustainable material: A state of the art review. <i>Construction and Building Materials</i> , 2021 , 306, 124762	6.7	16
7	Multicriteria performance evaluation of fiber-reinforced cement composites: An environmental perspective. <i>Composites Part B: Engineering</i> , 2021 , 218, 108937	10	15
6	Exploring mechanical performance of hybrid MWCNT and GNMP reinforced cementitious composites. <i>Construction and Building Materials</i> , 2021 , 267, 120721	6.7	9
5	Microstructural changes and mechanical performance of cement composites reinforced with recycled carbon fibers. <i>Cement and Concrete Composites</i> , 2021 , 121, 104069	8.6	7
4	Micro-cracking pattern recognition of hybrid CNTs/GNPs cement pastes under three-point bending loading using acoustic emission technique. <i>Journal of Building Engineering</i> , 2021 , 42, 102816	5.2	5
3	Improvement in Durability and Mechanical Performance of Concrete Exposed to Aggressive Environments by Using Polymer. <i>Materials</i> , 2022 , 15, 3751	3.5	2

- 2 Influence of Elevated Temperatures on the Mechanical Performance of Sustainable-Fiber-Reinforced Recycled Aggregate Concrete: A Review. *Buildings*, **2022**, 12, 487 3.2 ○
- 1 Future developments and challenges of nano-tailored cementitious composites **2022**, 459-472