

# Arslan Akbar

## List of Publications by Year in Descending Order

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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	Future developments and challenges of nano-tailored cementitious composites <b>2022</b> , 459-472		
18	Influence of Elevated Temperatures on the Mechanical Performance of Sustainable-Fiber-Reinforced Recycled Aggregate Concrete: A Review. <i>Buildings</i> , <b>2022</b> , 12, 487	3.2	0
17	Improvement in Durability and Mechanical Performance of Concrete Exposed to Aggressive Environments by Using Polymer. <i>Materials</i> , <b>2022</b> , 15, 3751	3.5	2
16	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> , <b>2021</b> , 292, 126032	10.3	47
15	Sugarcane bagasse ash-based engineered geopolymer mortar incorporating propylene fibers. <i>Journal of Building Engineering</i> , <b>2021</b> , 33, 101492	5.2	36
14	Exploring mechanical performance of hybrid MWCNT and GNMP reinforced cementitious composites. <i>Construction and Building Materials</i> , <b>2021</b> , 267, 120721	6.7	9
13	Application of Gene Expression Programming (GEP) for the Prediction of Compressive Strength of Geopolymer Concrete. <i>Materials</i> , <b>2021</b> , 14,	3.5	26
12	Prediction of Compressive Strength of Fly Ash Based Concrete Using Individual and Ensemble Algorithm. <i>Materials</i> , <b>2021</b> , 14,	3.5	37
11	Multicriteria performance evaluation of fiber-reinforced cement composites: An environmental perspective. <i>Composites Part B: Engineering</i> , <b>2021</b> , 218, 108937	10	15
10	Microstructural changes and mechanical performance of cement composites reinforced with recycled carbon fibers. <i>Cement and Concrete Composites</i> , <b>2021</b> , 121, 104069	8.6	7
9	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> , <b>2021</b> , 42, 102816	5.2	5
8	Geopolymer concrete as sustainable material: A state of the art review. <i>Construction and Building Materials</i> , <b>2021</b> , 306, 124762	6.7	16
7	A comparative study on performance evaluation of hybrid GNPs/CNTs in conventional and self-compacting mortar. <i>AEJ - Alexandria Engineering Journal</i> , <b>2020</b> , 59, 369-379	6.1	16
6	Experimental Investigation of Hybrid Carbon Nanotubes and Graphite Nanoplatelets on Rheology, Shrinkage, Mechanical, and Microstructure of SCCM. <i>Materials</i> , <b>2020</b> , 13,	3.5	29
5	The recent progress of recycled steel fiber reinforced concrete. <i>Construction and Building Materials</i> , <b>2020</b> , 232, 117232	6.7	72
4	Applications of Gene Expression Programming for Estimating Compressive Strength of High-Strength Concrete. <i>Advances in Civil Engineering</i> , <b>2020</b> , 2020, 1-23	1.3	37
3	Assessing recycling potential of carbon fiber reinforced plastic waste in production of eco-efficient cement-based materials. <i>Journal of Cleaner Production</i> , <b>2020</b> , 274, 123001	10.3	34

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| 2 | Influence of elevated temperature on the microstructure and mechanical performance of cement composites reinforced with recycled carbon fibers. <i>Composites Part B: Engineering</i> , <b>2020</b> , 198, 108245 | 10  | 19 |
| 1 | New Prediction Model for the Ultimate Axial Capacity of Concrete-Filled Steel Tubes: An Evolutionary Approach. <i>Crystals</i> , <b>2020</b> , 10, 741  | 2,3 | 38 |