

# Arslan Akbar

## List of Publications by Year in descending order

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21  
papers

1,337  
citations

473457

17  
h-index

754582

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

537  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	9.4	204
2	The recent progress of recycled steel fiber reinforced concrete. <i>Construction and Building Materials</i> , 2020, 232, 117232.	7.2	170
3	Prediction of Compressive Strength of Fly Ash Based Concrete Using Individual and Ensemble Algorithm. <i>Materials</i> , 2021, 14, 794.	2.9	130
4	Geopolymer concrete as sustainable material: A state of the art review. <i>Construction and Building Materials</i> , 2021, 306, 124762.	7.2	109
5	Applications of Gene Expression Programming for Estimating Compressive Strength of High-Strength Concrete. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-23.	0.7	97
6	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.	9.4	90
7	New Prediction Model for the Ultimate Axial Capacity of Concrete-Filled Steel Tubes: An Evolutionary Approach. <i>Crystals</i> , 2020, 10, 741.	2.2	87
8	Sugarcane bagasse ash-based engineered geopolymer mortar incorporating propylene fibers. <i>Journal of Building Engineering</i> , 2021, 33, 101492.	3.4	66
9	Application of Gene Expression Programming (GEP) for the Prediction of Compressive Strength of Geopolymer Concrete. <i>Materials</i> , 2021, 14, 1106.	2.9	59
10	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
11	Multicriteria performance evaluation of fiber-reinforced cement composites: An environmental perspective. <i>Composites Part B: Engineering</i> , 2021, 218, 108937.	12.1	56
12	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.	12.1	45
13	Microstructural changes and mechanical performance of cement composites reinforced with recycled carbon fibers. <i>Cement and Concrete Composites</i> , 2021, 121, 104069.	10.8	40
14	Recycling of Waste Facial Masks as a Construction Material, a Step towards Sustainability. <i>Materials</i> , 2022, 15, 1810.	2.9	33
15	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.	6.6	32
16	Exploring mechanical performance of hybrid MWCNT and GNMP reinforced cementitious composites. <i>Construction and Building Materials</i> , 2021, 267, 120721.	7.2	23
17	Influence of Elevated Temperatures on the Mechanical Performance of Sustainable-Fiber-Reinforced Recycled Aggregate Concrete: A Review. <i>Buildings</i> , 2022, 12, 487.	3.1	22
18	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.	3.4	7

#	ARTICLE	IF	CITATIONS
19	Improvement in Durability and Mechanical Performance of Concrete Exposed to Aggressive Environments by Using Polymer. Materials, 2022, 15, 3751.	2.9	7
20	Effect of Silicon Carbide and Tungsten Carbide on Concrete Composite. Materials, 2022, 15, 2061.	2.9	3
21	Future developments and challenges of nano-tailored cementitious composites. , 2022, , 459-472.		0