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Predicting the Effect of Fly Ash on Concretes Mechanical Properties by ANN

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#	Paper	IF	Citations
23	Mechanical Characteristics of Cement Paste in the Presence of Carbon Nanotubes and Silica Oxide Nanoparticles: An Experimental Study. <i>Materials</i> , 2021 , 14,	3.5	8
22	Modified Numerical Modeling of Axially Loaded Concrete-Filled Steel Circular-Tube Columns. <i>Engineering, Technology & Applied Science Research</i> , 2021 , 11, 7094-7099	1	3
21	Characterization of physico-chemical and functional properties of fly ash concrete mix. <i>Materials Today: Proceedings</i> , 2021 , 50, 941-941	1.4	3
20	Propose new implement models to determine the compressive, tensile and flexural strengths of recycled coarse aggregate concrete via imperialist competitive algorithm. <i>Journal of Building Engineering</i> , 2021 , 40, 102337	5.2	10
19	Physical, Mechanical and Durability Properties of Ecofriendly Ternary Concrete Made with Sugar Cane Bagasse Ash and Silica Fume. <i>Crystals</i> , 2021 , 11, 1012	2.3	1
18	Evaluation of the mechanical behaviour of cement - stabilised collapsible soils treated with natural fibres. <i>Geomechanics and Geoengineering</i> , 1-16	1.4	0
17	Predicting the compressive strength of concrete containing metakaolin with different properties using ANN. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 183, 109790	4.6	24
16	Developing a multi-classifier system to classify OSM tags based on centrality parameters. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021 , 104, 102595	7.3	1
15	Behaviour Investigation of SMA-Equipped Bar Hysteretic Dampers Using Machine Learning Techniques. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10057	2.6	2
14	Evaluating the behaviour of centrally perforated unreinforced masonry walls: Applications of numerical analysis, machine learning, and stochastic methods. <i>Ain Shams Engineering Journal</i> , 2021 , 13, 101631-101631	4.4	6
13	A comparison of machine learning- and regression-based models for predicting ductility ratio of RC beam-column joints. <i>Structures</i> , 2022 , 37, 69-81	3.4	2
12	Artificial neural network-based decision support systems in manufacturing processes: A systematic literature review. <i>Computers and Industrial Engineering</i> , 2022 , 165, 107964	6.4	3
11	Fly Ash High Volume Concrete Cast with Plastic Waste Filler. <i>Engineering Materials</i> , 2022 , 81-95	0.4	
10	RBF Neural Network Fractional-Order Sliding Mode Control with an Application to Direct a Three Matrix Converter under an Unbalanced Grid. <i>Sustainability</i> , 2022 , 14, 3193	3.6	
9	Predicting tensile strength of spliced and non-spliced steel bars using machine learning- and regression-based methods. <i>Construction and Building Materials</i> , 2022 , 325, 126835	6.7	2
8	Optimization of WEDM Process Parameters in Al ₂ O ₃ -Li-Si ₃ N ₄ MMC. <i>Journal of Nanomaterials</i> , 2022 , 2022, 1-12	3.2	
7	Compressive Strength of Steel Fiber-Reinforced Concrete Employing Supervised Machine Learning Techniques. <i>Materials</i> , 2022 , 15, 4209	3.5	0

6	Influence of a Novel Carbon-Based Nano-Material on the Thermal Conductivity of Mortar. <i>Sustainability</i> , 2022 , 14, 8189	3.6	1
5	Predicting the Compressive Strength of Concrete Containing Binary Supplementary Cementitious Material Using Machine Learning Approach. 2022 , 15, 5336		5
4	Hydration and Mechanical Properties of High-Volume Fly Ash Concrete with Nano-Silica and Silica Fume. 2022 , 15, 6599		1
3	The Mechanical Behavior of Sustainable Concrete Using Raw and Processed Sugarcane Bagasse Ash. 2022 , 14, 11181		0
2	Reusing Fine Silty Sand Excavated from Slurry Shield Tunnels as a Sustainable Raw Material for Synchronous Grouting. 2023 , 13, 398		0
1	Optimization of Fly Ash/Blag One-Part Geopolymers with Improved Properties. 2023 , 16, 2348		0