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Mapping and holistic design of natural hydraulic lime mortar

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#	Paper	IF	Citations
83	A Novel Feature Selection Approach Based on Tree Models for Evaluating the Punching Shear Capacity of Steel Fiber-Reinforced Concrete Flat Slabs. <i>Materials</i> , <b>2020</b> , 13,	3.5	27
82	Metal-organic framework MIL-100(Fe) for dye removal in aqueous solutions: Prediction by artificial neural network and response surface methodology modeling. <i>Environmental Pollution</i> , <b>2020</b> , 267, 115583	9.3	10
81	A GMDH Predictive Model to Predict Rock Material Strength Using Three Non-destructive Tests. <i>Journal of Nondestructive Evaluation</i> , <b>2020</b> , 39, 1	2.1	17
80	A refreshing view of soft computing models for predicting the deflection of reinforced concrete beams. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 97, 106831	7.5	9
79	Machine Learning Classifiers for Modeling Soil Characteristics by Geophysics Investigations: A Comparative Study. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 5734	2.6	4
78	Automated design of a new integrated intelligent computing paradigm for constructing a constitutive model applicable to predicting rock fractures. <i>Engineering With Computers</i> , <b>2020</b> , 1	4.5	4
77	A combination of fuzzy Delphi method and hybrid ANN-based systems to forecast ground vibration resulting from blasting. <i>Scientific Reports</i> , <b>2020</b> , 10, 19397	4.9	29
76	A new auto-tuning model for predicting the rock fragmentation: a cat swarm optimization algorithm. <i>Engineering With Computers</i> , <b>2020</b> , 1	4.5	22
75	A comparative study of ANN and ANFIS models for the prediction of cement-based mortar materials compressive strength. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 4501-4532	4.8	65
74	Estimation of axial load-carrying capacity of concrete-filled steel tubes using surrogate models. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 3437-3458	4.8	33
73	Prediction of air-overpressure induced by blasting using an ANFIS-PNN model optimized by GA. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 99, 106904	7.5	27
72	A Comparative Study of Artificial Intelligence Techniques to Estimate TBM Performance in Various Weathering Zones. <i>SpringerBriefs in Applied Sciences and Technology</i> , <b>2021</b> , 55-70	0.4	5
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70	Proposing several hybrid PSO-extreme learning machine techniques to predict TBM performance. <i>Engineering With Computers</i> , 1	4.5	14
69	Surrogate models for the compressive strength mapping of cement mortar materials. <i>Soft Computing</i> , <b>2021</b> , 25, 6347-6372	3.5	12
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63	A novel approach for classification of soils based on laboratory tests using Adaboost, Tree and ANN modeling. <i>Transportation Geotechnics</i> , <b>2021</b> , 27, 100508	4	23
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48	Estimating unconfined compressive strength of unsaturated cemented soils using alternative evolutionary approaches. <i>Transportation Geotechnics</i> , <b>2021</b> , 29, 100591	4	13
47	Predicting concrete compressive strength using hybrid ensembling of surrogate machine learning models. <i>Cement and Concrete Research</i> , <b>2021</b> , 145, 106449	10.3	57
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