Taihao Han

List of Publications by Citations

11 papers	157 citations	6 h-index	12 g-index
13 ext. papers	331 ext. citations	6.6 avg, IF	3.71 L-index

#	Paper	IF	Citations
11	An ensemble machine learning approach for prediction and optimization of modulus of elasticity of recycled aggregate concrete. *Construction and Building Materials*, **2020**, 244, 118271	6.7	45
10	Prediction of surface chloride concentration of marine concrete using ensemble machine learning. *Cement and Concrete Research*, **2020**, 136, 106164	10.3	43
9	Machine learning as a tool to design glasses with controlled dissolution for healthcare applications. *Acta Biomaterialia*, **2020**, 107, 286-298	10.8	20
8	Machine learning to predict properties of fresh and hardened alkali-activated concrete. *Cement and Concrete Composites*, **2021**, 115, 103863	8.6	16
7	Resistive switching in atomic layer deposited HfO2/ZrO2 nanolayer stacks. *Applied Surface Science*, **2020**, 515, 146015	6.7	13
6	Fiber optic sensor embedded smart helmet for real-time impact sensing and analysis through machine learning. *Journal of Neuroscience Methods*, **2021**, 351, 109073	3	7
5	Machine learning enables prompt prediction of hydration kinetics of multicomponent cementitious systems. *Scientific Reports*, **2021**, 11, 3922	4.9	6
4	Machine learning for high-fidelity prediction of cement hydration kinetics in blended systems. *Materials and Design*, **2021**, 208, 109920	8.1	5
3	A Deep Learning Approach to Design and Discover Sustainable Cementitious Binders: Strategies to Learn From Small Databases and Develop Closed-form Analytical Models. *Frontiers in Materials*, **2022**, 8,	4	1
2	Machine Learning Enabled Models to Predict Sulfur Solubility in Nuclear Waste Glasses. *ACS Applied Materials & Interfaces*, **2021**, 13, 53375-53387	9.5	1
1	Predicting compressive strength of alkali-activated systems based on the network topology and phase assemblages using tree-structure computing algorithms. *Construction and Building Materials*, **2022**, 336, 127557	6.7	0