

# Taihao Han

## 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.

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