

Taihao Han

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5799237/publications.pdf>

Version: 2024-02-01

13
papers

526
citations

932766

10
h-index

1125271

13
g-index

13
all docs

13
docs citations

13
times ranked

280
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of surface chloride concentration of marine concrete using ensemble machine learning. <i>Cement and Concrete Research</i> , 2020, 136, 106164.	4.6	130
2	An ensemble machine learning approach for prediction and optimization of modulus of elasticity of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2020, 244, 118271.	3.2	122
3	Machine learning to predict properties of fresh and hardened alkali-activated concrete. <i>Cement and Concrete Composites</i> , 2021, 115, 103863.	4.6	75
4	Machine learning as a tool to design glasses with controlled dissolution for healthcare applications. <i>Acta Biomaterialia</i> , 2020, 107, 286-298.	4.1	55
5	Resistive switching in atomic layer deposited HfO ₂ /ZrO ₂ nanolayer stacks. <i>Applied Surface Science</i> , 2020, 515, 146015.	3.1	30
6	Machine learning for high-fidelity prediction of cement hydration kinetics in blended systems. <i>Materials and Design</i> , 2021, 208, 109920.	3.3	26
7	Machine learning enables prompt prediction of hydration kinetics of multicomponent cementitious systems. <i>Scientific Reports</i> , 2021, 11, 3922.	1.6	23
8	Fiber optic sensor embedded smart helmet for real-time impact sensing and analysis through machine learning. <i>Journal of Neuroscience Methods</i> , 2021, 351, 109073.	1.3	18
9	Machine Learning Enabled Models to Predict Sulfur Solubility in Nuclear Waste Glasses. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53375-53387.	4.0	11
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> , 2022, 336, 127557.	3.2	11
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> , 2022, 8, .	1.2	10
12	Machine learning enabled closed-form models to predict strength of alkali-activated systems. <i>Journal of the American Ceramic Society</i> , 2022, 105, 4414-4425.	1.9	8
13	Predicting mechanical properties of ultrahigh temperature ceramics using machine learning. <i>Journal of the American Ceramic Society</i> , 2022, 105, 6851-6863.	1.9	7