Haoyu Huang

List of Publications by Year
in descending order

15 papers	300 citations	932766 10 h-index	996533 15 g-index
15 all docs	15 docs citations	15 times ranked	258 citing authors

#	Article	IF	Citations
1	A Comparison of the Energy Saving and Carbon Reduction Performance between Reinforced Concrete and Cross-Laminated Timber Structures in Residential Buildings in the Severe Cold Region of China. Sustainability, 2017, 9, 1426.	1.6	69
2	Human-induced vibration of cross-laminated timber (CLT) floor under different boundary conditions. Engineering Structures, 2020, 204, 110016.	2.6	32
3	Adaptive tuned mass damper with shape memory alloy for seismic application. Engineering Structures, 2020, 223, 111171.	2.6	28
4	Application of pre-stressed SMA-based tuned mass damper to a timber floor system. Engineering Structures, 2018, 167, 143-150.	2.6	26
5	Seismic resilience timber connection-adoption of shape memory alloy tubes as dowels. Structural Control and Health Monitoring, 2017, 24, e1980.	1.9	25
6	Feasibility of shape memory alloy in a tuneable mass damper to reduce excessive in-service vibration. Structural Control and Health Monitoring, 2017, 24, e1858.	1.9	24
7	Experimental Tests on a Dowel-Type Timber Connection and Validation of Numerical Models. Buildings, 2017, 7, 116.	1.4	20
8	Predicting the human-induced vibration of cross laminated timber floor under multi-person loadings. Structures, 2021, 29, 65-78.	1.7	20
9	Reducing human‐induced vibration of cross‐laminated timber floor—Application of multi‐tuned mass damper system. Structural Control and Health Monitoring, 2021, 28, e2656.	1.9	14
10	Re-tuning an off-tuned tuned mass damper by adjusting temperature of shape memory alloy: Exposed to wind action. Structures, 2020, 25, 180-189.	1.7	13
11	Performance of the hollow-core cross-laminated timber (HC-CLT) floor under human-induced vibration. Structures, 2021, 32, 1481-1491.	1.7	11
12	Comparison of Bending Fatigue of NiTi and CuAlMn Shape Memory Alloy Bars. Advances in Materials Science and Engineering, 2020, 2020, 1-9.	1.0	9
13	Study on the Optical Properties of High Refractive Index TeO2-PbO-ZnO-BaF2 Glass System. Advances in Materials Science and Engineering, 2021, 2021, 1-9.	1.0	5
14	Study of SMA-dowelled timber connection reinforced by densified veneer wood under cyclic loading. MATEC Web of Conferences, 2019, 275, 01015.	0.1	3
15	Abnormal Grain Growth Mechanism in the Twin-Roller Cast Al-Fe-Si Alloy in the Annealing Process. Advances in Materials Science and Engineering, 2020, 2020, 1-11.	1.0	1