Andrea Polastri

List of Publications by Year
in descending order

25 papers	486 citations	687335 13 h-index	677123 22 g-index
25 all docs	25 docs citations	25 times ranked	203 citing authors

#	Article	IF	Citations
1	Mechanical behaviour of multi-panel cross laminated timber shear-walls with stiff connectors. Construction and Building Materials, 2022, 332, 127275.	7.2	5
2	Structural performance of a hybrid timber wall system for emergency housing facilities. Journal of Building Engineering, 2021, 33, 101566.	3.4	6
3	Investigating the kinematic modes of CLT shear-walls with openings. Engineering Structures, 2021, 228, 111475.	5.3	12
4	CLT Shear Walls Anchored with Shear-Tension Angle Brackets: Experimental Tests and Finite-Element Modeling. Journal of Structural Engineering, 2021, 147, .	3.4	10
5	Earthquake-resistant CLT buildings stiffened with vertical steel ties. Journal of Building Engineering, 2021, 40, 102334.	3.4	5
6	On the distribution of internal forces in single-storey CLT symmetric shear-walls with openings. Structures, 2021, 33, 4718-4742.	3.6	8
7	Influence of the rocking behavior of shearwalls on the fundamental period of CLT structures. Earthquake Engineering and Structural Dynamics, 2021, 50, 1734-1754.	4.4	5
8	A methodology to determine the seismic low-cycle fatigue strength of timber connections. Construction and Building Materials, 2020, 231, 117026.	7.2	21
9	Low cycle ductile performance of screws used in timber structures. Construction and Building Materials, 2019, 217, 416-426.	7.2	9
10	A proposal for the capacity-design at wall- and building-level in light-frame and cross-laminated timber buildings. Bulletin of Earthquake Engineering, 2019, 17, 3139-3167.	4.1	20
11	Seismic analysis of multi-storey timber buildings braced with a CLT core and perimeter shear-walls. Bulletin of Earthquake Engineering, 2019, 17, 1009-1028.	4.1	24
12	Modelling the mechanical behaviour of typical wall-to-floor connection systems for cross-laminated timber structures. Engineering Structures, 2018, 162, 270-282.	5.3	37
13	A hysteresis model for timber joints with dowel-type fasteners. Engineering Structures, 2018, 157, 170-178.	5.3	25
14	Mechanical characterization of a pre-fabricated connection system for cross laminated timber structures in seismic regions. Engineering Structures, 2018, 167, 705-715.	5.3	32
15	Investigating the Hysteretic Behavior of Cross-Laminated Timber Wall Systems due to Connections. Journal of Structural Engineering, 2018, 144, .	3.4	42
16	Analytical Approach to Establishing the Elastic Behavior of Multipanel CLT Shear Walls Subjected to Lateral Loads. Journal of Structural Engineering, 2018, 144, .	3.4	45
17	Numerical Study of Alternative Seismic-Resisting Systems for CLT Buildings. Buildings, 2018, 8, 162.	3.1	5
18	An Innovative Connection System for Cross-Laminated Timber Structures. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2017, 27, 502-511.	0.8	28

#	Article	IF	Citations
19	Experimentally basedq-factor estimation of cross-laminated timber walls. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2016, 169, 492-507.	0.8	28
20	Concrete-Plated Wooden Shear Walls: Structural Details, Testing, and Seismic Characterization. Journal of Structural Engineering, 2016, 142, .	3.4	13
21	Behaviour factor for innovative massive timber shear walls. Bulletin of Earthquake Engineering, 2015, 13, 3449-3469.	4.1	37
22	Experimental and Numerical Analyses of New Massive Wooden Shear-Wall Systems. Buildings, 2014, 4, 355-374.	3.1	28
23	The Traditional Wooden House in Bucovina, a Model for Durability. Advanced Materials Research, 2013, 778, 89-96.	0.3	1
24	Static and Thermohygrometric Analysis of a New Typology of Timber Framed Structure in Dolomites. Advanced Materials Research, 2013, 778, 82-88.	0.3	0
25	Ductility of timber joints under static and cyclic loads. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2011, 164, 79-90.	0.8	40