

Andrea Polastri

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

486
citations

687220

13
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677027

22
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25
all docs

25
docs citations

25
times ranked

203
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical Approach to Establishing the Elastic Behavior of Multipanel CLT Shear Walls Subjected to Lateral Loads. <i>Journal of Structural Engineering</i> , 2018, 144, .	1.7	45
2	Investigating the Hysteretic Behavior of Cross-Laminated Timber Wall Systems due to Connections. <i>Journal of Structural Engineering</i> , 2018, 144, .	1.7	42
3	Ductility of timber joints under static and cyclic loads. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2011, 164, 79-90.	0.4	40
4	Behaviour factor for innovative massive timber shear walls. <i>Bulletin of Earthquake Engineering</i> , 2015, 13, 3449-3469.	2.3	37
5	Modelling the mechanical behaviour of typical wall-to-floor connection systems for cross-laminated timber structures. <i>Engineering Structures</i> , 2018, 162, 270-282.	2.6	37
6	Mechanical characterization of a pre-fabricated connection system for cross laminated timber structures in seismic regions. <i>Engineering Structures</i> , 2018, 167, 705-715.	2.6	32
7	Experimental and Numerical Analyses of New Massive Wooden Shear-Wall Systems. <i>Buildings</i> , 2014, 4, 355-374.	1.4	28
8	Experimentally based q-factor estimation of cross-laminated timber walls. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2016, 169, 492-507.	0.4	28
9	An Innovative Connection System for Cross-Laminated Timber Structures. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2017, 27, 502-511.	0.5	28
10	A hysteresis model for timber joints with dowel-type fasteners. <i>Engineering Structures</i> , 2018, 157, 170-178.	2.6	25
11	Seismic analysis of multi-storey timber buildings braced with a CLT core and perimeter shear-walls. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 1009-1028.	2.3	24
12	A methodology to determine the seismic low-cycle fatigue strength of timber connections. <i>Construction and Building Materials</i> , 2020, 231, 117026.	3.2	21
13	A proposal for the capacity-design at wall- and building-level in light-frame and cross-laminated timber buildings. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 3139-3167.	2.3	20
14	Concrete-Plated Wooden Shear Walls: Structural Details, Testing, and Seismic Characterization. <i>Journal of Structural Engineering</i> , 2016, 142, .	1.7	13
15	Investigating the kinematic modes of CLT shear-walls with openings. <i>Engineering Structures</i> , 2021, 228, 111475.	2.6	12
16	CLT Shear Walls Anchored with Shear-Tension Angle Brackets: Experimental Tests and Finite-Element Modeling. <i>Journal of Structural Engineering</i> , 2021, 147, .	1.7	10
17	Low cycle ductile performance of screws used in timber structures. <i>Construction and Building Materials</i> , 2019, 217, 416-426.	3.2	9
18	On the distribution of internal forces in single-storey CLT symmetric shear-walls with openings. <i>Structures</i> , 2021, 33, 4718-4742.	1.7	8

#	ARTICLE	IF	CITATIONS
19	Structural performance of a hybrid timber wall system for emergency housing facilities. Journal of Building Engineering, 2021, 33, 101566.	1.6	6
20	Numerical Study of Alternative Seismic-Resisting Systems for CLT Buildings. Buildings, 2018, 8, 162.	1.4	5
21	Earthquake-resistant CLT buildings stiffened with vertical steel ties. Journal of Building Engineering, 2021, 40, 102334.	1.6	5
22	Influence of the rocking behavior of shearwalls on the fundamental period of CLT structures. Earthquake Engineering and Structural Dynamics, 2021, 50, 1734-1754.	2.5	5
23	Mechanical behaviour of multi-panel cross laminated timber shear-walls with stiff connectors. Construction and Building Materials, 2022, 332, 127275.	3.2	5
24	The Traditional Wooden House in Bucovina, a Model for Durability. Advanced Materials Research, 2013, 778, 89-96.	0.3	1
25	Static and Thermo-hygrometric Analysis of a New Typology of Timber Framed Structure in Dolomites. Advanced Materials Research, 2013, 778, 82-88.	0.3	0