

# Vlatka Rajcic

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

391  
citations

1040056

9  
h-index

794594

19  
g-index

29  
all docs

29  
docs citations

29  
times ranked

270  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strengthening of timber structures with glued-in rods. <i>Construction and Building Materials</i> , 2015, 97, 90-105.	7.2	108
2	A review on failure theories and simulation models for adhesive joints. <i>Journal of Adhesion</i> , 2022, 98, 1855-1915.	3.0	46
3	Seismic Design of Timber Buildings: Highlighted Challenges and Future Trends. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1380.	2.5	37
4	An innovative methodology of assessing the climate change impact on cultural heritage. <i>International Journal of Architectural Heritage</i> , 2018, 12, 21-35.	3.1	29
5	System reliability of timber structures with ductile behaviour. <i>Engineering Structures</i> , 2011, 33, 3093-3098.	5.3	24
6	Pull-compression tests on glued-in metric thread rods parallel to grain in glulam and laminated veneer lumber of different timber species. <i>European Journal of Wood and Wood Products</i> , 2016, 74, 379-391.	2.9	24
7	ANALYSIS OF HYSTERETIC RESPONSE OF GLASS INFILLED WOODEN FRAMES. <i>Journal of Civil Engineering and Management</i> , 2014, 20, 600-608.	3.5	17
8	Reliability-based robustness analysis for a Croatian sports hall. <i>Engineering Structures</i> , 2011, 33, 3118-3124.	5.3	12
9	Large diameter fastener in locally reinforced and non-reinforced timber loaded perpendicular to grain. <i>Engineering Structures</i> , 2014, 74, 256-265.	5.3	9
10	Cross laminated timber at in-plane beam loading – Comparison of model predictions and FE-analyses. <i>Engineering Structures</i> , 2019, 179, 246-254.	5.3	9
11	Analytical and Numerical Verification of Vibration Design in Timber Concrete Composite Floors. <i>Forests</i> , 2021, 12, 707.	2.1	9
12	Textiles and Fabrics for Enhanced Structural Glass Facades: Potentials and Challenges. <i>Buildings</i> , 2019, 9, 156.	3.1	7
13	Brittle failure modes in reinforced and non-reinforced timber joint with large diameter fastener loaded parallel to grain. <i>Engineering Structures</i> , 2020, 222, 111104.	5.3	7
14	Seismic Behaviour of Composite Panel Composed of Laminated Wood and Bearing Glass - Experimental Investigation. <i>Advanced Materials Research</i> , 2013, 778, 698-705.	0.3	6
15	Experimental and numerical investigations of cross-laminated timber elements at in-plane beam loading conditions. <i>Construction and Building Materials</i> , 2019, 206, 329-346.	7.2	6
16	Response of laminated glass-CLT structural components to reverse-cyclic lateral loading. <i>Construction and Building Materials</i> , 2020, 235, 117509.	7.2	6
17	Advancement in prediction of shear strength and stiffness of cross laminated timber beams. <i>Engineering Structures</i> , 2021, 238, 112247.	5.3	6
18	Behavioral Assessment and Evaluation of Innovative Hollow Glue-Laminated Timber Elements. <i>Materials</i> , 2021, 14, 6911.	2.9	6

#	ARTICLE	IF	CITATIONS
19	Reconstruction of the Technical Museum in Zagreb. <i>Advanced Materials Research</i> , 2013, 778, 919-926.	0.3	5
20	Assessment of Timber Roof Structures before and after Earthquakes. <i>Buildings</i> , 2021, 11, 528.	3.1	5
21	Thermal and Energy-Efficiency Assessment of Hybrid CLT-glass Façade Elements. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3071.	2.5	3
22	Short-Term Analysis of Adhesive Types and Bonding Mistakes on Bonded-in-Rod (BiR) Connections for Timber Structures. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2665.	2.5	3
23	Condition Assessment of Timber Structures – Quantifying the Value of Information. , 2018, , .		3
24	In Situ Advanced Diagnostics and Inspection by Non-destructive Techniques and UAV as Input to Numerical Model and Structural Analysis - Case Study. <i>Communications in Computer and Information Science</i> , 2019, , 359-371.	0.5	2
25	Learning from Case Studies: Timber Tower of Gospić-Cathedral and Traditional Timber Church. <i>Advanced Materials Research</i> , 0, 778, 927-934.	0.3	1
26	Experimental Investigation of Cross Laminated Timber Elements with Holes or Notches at In-Plane Beam Loading Conditions. <i>Buildings</i> , 2022, 12, 967.	3.1	1
27	Influence of Friction on the Behavior and Performance of Prefabricated Timber-bearing Glass Composite Systems. <i>Sustainability</i> , 2022, 14, 1102.	3.2	0