

# Ulf Arne Girhammar

## List of Publications by Year in descending order

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24  
papers

252  
citations

1307594

7  
h-index

940533

16  
g-index

24  
all docs

24  
docs citations

24  
times ranked

172  
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite element analysis of alternative load paths in a platform-framed CLT building. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2020, 173, 379-390.	0.8	16
2	From file to factory: Innovative design solutions for multi-storey timber buildings applied to project Zembra in Kalmar, Sweden. Frontiers of Architectural Research, 2019, 8, 1-16.	2.8	13
3	Structural robustness and timber buildings – a review. Wood Material Science and Engineering, 2019, 14, 107-128.	2.3	45
4	Analytical models for splitting capacity of bottom rails in partially anchored timber frame shear walls based on fracture mechanics. Wood Material Science and Engineering, 2017, 12, 165-188.	2.3	2
5	Modeling of shear walls using finite shear connector elements based on continuum plasticity. Frontiers of Structural and Civil Engineering, 2017, 11, 143-157.	2.9	5
6	Tests and Analyses of Slotted-In Steel-Plate Connections in Composite Timber Shear Wall Panels. Advances in Civil Engineering, 2017, 2017, 1-20.	0.7	2
7	Fracture Mechanics Models for Brittle Failure of Bottom Rails due to Uplift in Timber Frame Shear Walls. Advances in Civil Engineering, 2016, 2016, 1-21.	0.7	2
8	Horizontal Stabilisation of Sheathed Timber Frame Structures Using Plastic Design Methods – Introducing a Handbook Part 1: Design Principles for Horizontal Stabilisation. Procedia Engineering, 2016, 161, 618-627.	1.2	4
9	Horizontal Stabilisation of Sheathed Timber Frame Structures Using Plastic Design Methods – Introducing a Handbook Part 2: Design of Joints and Anchoring Devices. Procedia Engineering, 2016, 161, 628-635.	1.2	4
10	Horizontal Stabilisation of Sheathed Timber Frame Structures Using Plastic Design Methods – Introducing a Handbook Part 3: Basics of the Plastic Design Method. Procedia Engineering, 2016, 161, 636-644.	1.2	2
11	Horizontal Stabilisation of Sheathed Timber Frame Structures Using Plastic Design Methods – Introducing a Handbook Part 4: Design in Ultimate Limit State. Procedia Engineering, 2016, 161, 645-654.	1.2	3
12	Design against brittle failure of bottom rails in shear walls. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2016, 169, 782-793.	0.8	4
13	Conflict and Compromise in multi-storey timber architecture. Architectural Research Quarterly, 2015, 19, 283-294.	0.1	1
14	Brittle failure in timber connections loaded parallel to the grain. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2015, 168, 760-770.	0.8	4
15	Splitting capacity of bottom rails in partially anchored timber frame shear walls with double-sided sheathing. IES Journal Part A: Civil and Structural Engineering, 2015, 8, 1-23.	0.4	6
16	Comparison of models and tests on bottom rails in timber frame shear walls experiencing uplift. Construction and Building Materials, 2015, 94, 148-163.	7.2	3
17	VIBRATION OF AXIALLY LOADED AND PARTIALLY INTERACTING COMPOSITE BEAMS. International Journal of Structural Stability and Dynamics, 2014, 14, 1350047.	2.4	7
18	Evaluation of softening behaviour of timber light-frame walls subjected to in-plane forces using simple FE models. Engineering Structures, 2014, 81, 464-479.	5.3	4

#	ARTICLE	IF	CITATIONS
19	Splitting capacity of bottom rail in partially anchored timber frame shear walls with single-sided sheathing. IES Journal Part A: Civil and Structural Engineering, 2014, 7, 83-105.	0.4	5
20	Splitting of timber beams loaded perpendicular to grain by connections – Combined effect of edge and end distance. Construction and Building Materials, 2012, 35, 289-293.	7.2	29
21	Elasto-plastic model for analysis of influence of imperfections on stiffness of fully anchored light-frame timber shear walls. Engineering Structures, 2009, 31, 2182-2193.	5.3	5
22	Plastic models for analysis of fully anchored light-frame timber shear walls. Engineering Structures, 2009, 31, 2171-2181.	5.3	35
23	Analysis of influence of imperfections on stiffness of fully anchored light-frame timber shear walls – elastic model. Materials and Structures/Materiaux Et Constructions, 2009, 42, 321-337.	3.1	6
24	Analysis of fully anchored light-frame timber shear walls – elastic model. Materials and Structures/Materiaux Et Constructions, 2009, 42, 301-320.	3.1	45