

**Airtightness of cross-laminated timber envelopes : influence of moisture content, indoor humidity, orientation, and assembly**

**Kukk, Villu; Bella, Adeniyi; Kers, Jaan; Kalamees, Targo** Journal of building engineering 2021 / art. 102610  
<https://doi.org/10.1016/j.jobe.2021.102610> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A case study on construction of CLT building without preliminary roof**

**Liisma, Eneli; Kalamees, Targo; Kuus, Babette Liseth; Kukk, Villu** Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 44-45 : ill [https://www.ester.ee/record=b5197207\\*est](https://www.ester.ee/record=b5197207*est) <https://www.digar.ee/viewer/et/nlib-digar:409888/350001/page/45>

**A case study on the construction of a CLT building without a preliminary roof**

**Liisma, Eneli; Kuus, Babette Liseth; Kukk, Villu; Kalamees, Targo** Journal of sustainable architecture and civil engineering 2019 / p. 53-62 : ill <https://doi.org/10.5755/j01.sace.25.2.22263>

**Charring behaviour of cross laminated timber with respect to the fire protection, comparison of different methods**

**Tiso, Mattia; Schmid, Joachim; Fragiocomo, Massimo** Proceedings of the 1st European Workshop Fire Safety of Green Buildings : Berlin, Germany, 6-7 October 2015 2015 / p. 58-61 : ill

**Designing highly insulated cross-laminated timber external walls in terms of hygrothermal performance : field measurements and simulations**

**Kukk, Villu; Kaljula, Laura; Kers, Jaan; Kalamees, Targo** Building and Environment 2022 / art. 108805  
<https://doi.org/10.1016/j.buildenv.2022.108805> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Early experimental investigations on slotted-in steel plate connections with self-perforating dowels in CLT**

**Tuhkanen, Eero; Ojamaa, Martin** Wood material science and engineering Wood material science & engineering 2021 / p. 102-109 : ill <https://doi.org/10.1080/17480272.2019.1626482> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hygrothermal criteria for design of cross-laminated timber external walls**

**Kukk, Villu; Kers, Jaan; Kalamees, Targo; Wang, Lin; Ge, Hua** Proceedings of the 5th international conference on building energy and environment 2023 / p. 811-815 [https://doi.org/10.1007/978-981-19-9822-5\\_87](https://doi.org/10.1007/978-981-19-9822-5_87) [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Impact of built-in moisture on the design of hygrothermally safe cross-laminated timber external walls : a stochastic approach**

**Kukk, Villu; Kers, Jaan; Kalamees, Targo; Wang, Lin; Ge, Hua** Building and environment 2022 / art. 109736  
<https://doi.org/10.1016/j.buildenv.2022.109736> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Numerical simulation of CLT moisture uptake and dry-out following water infiltration through end-grain surfaces**

**Brandstätter, Florian; Kalbe, Kristo; Autengruber, Maximilian; Lukacevic, Markus; Kalamees, Targo; Ruus, Aime; Annuk, Alvar; Füssl, Josef** Journal of Building Engineering 2023 / art. 108097 <https://doi.org/10.1016/j.jobe.2023.108097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)