

Analysis of the twisted and fluted birth dowel joints

Dobris, Jörgen; Luts, Andrus; Meier, Pille; **Kers, Jaan** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 331-336 : ill

Behaviour of pinewood (Pinus Sylvestris) in various mixtures

Meier, Pille; Kaps, Tiit; Kallavus, Urve International Conference "Integrative Approaches towards Sustainability" : Baltic Sea region sharing knowledge internally, across Europe and worldwide : 11-14 May, 2005 : abstracts 2005 / p. 64

Commissioning of moisture safety of nZEB renovation with prefabricated timber frame insulation wall elements

Pihelo, Peep; Kalamees, Targo Wood material science and engineering 2021 / p. 110-117

<https://doi.org/10.1080/17480272.2019.1635206> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of test results and the Reduced Cross-Section Method using a zero-strength layer

Schmid, Joachim; Klippel, Michael; **Just, Alar;** Brandon, Daniel Proceedings of the 1st European Workshop Fire Safety of Green Buildings : Berlin, Germany, 6th October 2015 2015 / p. 51-53 : ill

Comparison of the fire resistance of timber members in tests and calculation models

Schmid, Joachim; Klippel, Michael; **Just, Alar;** Frangi, Andrea CIB-W18 2013, International Council for Research and Innovation in Building and Construction, Working Commission W18 - Timber Structures, Meeting 46, 26-29 August 2013 2013

<https://www.researchgate.net/publication/326804697> [Comparison of the fire resistance of timber members in tests and calculation models](#)

Deep energy renovation of old concrete apartment building to nZEB by using wooden modular elements

Kalamees, Targo; Pihelo, Peep; Kuusk, Kalle Forum Holz Bau Garmisch 17 : 23. Internationales Holzbau-Forum (IHF 2017) : aus der Praxis - für die Praxis : Kongresszentrum, Garmisch-Partenkirchen ; B. 2 2017 / p. 317-325 : ill <http://www.gbv.de/dms/tib-ub-hannover/1014402786.pdf>

Design criteria for insulation materials applied in timber frame assemblies

Tiso, Mattia; Just, Alar Journal of Structural Fire Engineering 2018 / p. 252 - 263 <https://doi.org/10.1108/JSFE-01-2017-0015> [Journal metrics at Scopus](#) [Article at Scopus](#)

Design methods for wood-based I-joists exposed to fire - State-of-the-art and improvements

Mäger, Katrin Nele; Just, Alar 15th International Interflam Conference : Interflam 2019, 1-3 July, 2019 : Programme 2019 / p. 1343-1354 <http://www.intersciencecomms.co.uk/html/conferences/Interflam/if19/Interflam%202019%20Table%20of%20Contents.pdf>

Eesti ettevõtte leidis tänu TalTechi teadlastele mulikilele loodusliku alternatiivi

Mente et Manu 2023 / lk. 8-9 : fot https://www.ester.ee/record=b1242496*est

Eesti metsatööstus ja -eksport = Estonian timber industry and exports

Rannes, Arkadi Konjunktuur 1935 / lk. 493-503 https://www.ester.ee/record=b4905857*est https://artiklid.elnet.ee/record=b1036080*est

Experimental analysis of cross-laminated timber rib panels at normal temperature and in fire

Kleinhenz, Miriam; **Just, Alar;** Frangi, Andrea Engineering structures 2021 / art. 113091, 14 p. : ill

<https://doi.org/10.1016/j.engstruct.2021.113091> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental study of the charring of I-joists and recession of combustible insulation in light timber frame assemblies with comparison to Eurocode 5

Bøe, Andreas Sæter; **Mäger, Katrin Nele;** Friquin, Kathinka Leikanger; **Just, Alar** Fire Technology 2023 / p. 3283 - 3325

<https://doi.org/10.1007/s10694-023-01464-x> [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 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Impregnated wood performance in outdoor environment

Tubli, Peeter; Kallakas, Heikko; Kers, Jaan; Brischke, C.; Humar, M.; Jones, D. Proceedings of the 12th Meeting of the Northern European Network for Wood Science and Engineering (WSE) : Wood Science and Engineering - a Key Factor on the Transition to Bioeconomy : September 12-13, 2016, Riga, Latvia 2016 / p. 115-116 <http://www.kki.lv/dokumenti/WSE2016.pdf>

The influence of birch (Betula pendula) false heartwood on the mechanical properties of wood-plastic composites = Kase (Betula pendula) väärlülipuidu mõju puitplastkomposiitide mehaanilistele omadustele

Kallakas, Heikko 2019 <https://digi.lib.ttu.ee/i/?12253>

Influence of interior layer properties to moisture dry-out of CLT walls

Kukk, Villu; Külaots, Annegrete; Kers, Jaan; Kalamees, Targo Canadian journal of civil engineering 2019 / p. 1001-1009

<https://doi.org/10.1139/cjce-2018-0591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of dynamic behaviour of orthotropic structures

Eerme, Martin; Vakraõm, Teet; Roosimõlder, Lembit Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 15-17 : ill

Jaan Kers: Eestist võiks saada Soome ja Rootsi kõrval edukas bioreafineerimise arendaja [Võrguväljaanne]

Kartau, Mari maaleht.ee 2022 [Jaan Kers: Eestist võiks saada Soome ja Rootsi kõrval edukas bioreafineerimise arendaja](#)

Julkisten uudisrakennusten sisäilmaongelmat sekä ilmanvaihdon ja puumateriaalien vaikutukset sisäilman laatuun - Työsuojelurahaston hanke 115376

Voronen-Winqvist, Camilla; Alapieti, Tuomas; Andersson, Maria A.; Kurnitski, Jarek 2018 <http://urn.fi/URN:ISBN:978-952-60-8063-5>

Looduskeskkonna toime ehitiste ja konstruktsioonide kivi- ja puitmaterjalidele

Põldme, Meeme; Kallavus, Urve; Utsal, Kalju Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 276 https://www.ester.ee/record=b1052731*est

Looduslik alternatiiv mullikilele tuleb Eestist

Pärtel, Karl Eesti Tööstus 2023 / lk. 21-22 https://www.ester.ee/record=b5283062*est

Mechanical and physical properties of silane crosslinked wood flour reinforced composites

Kallakas, Heikko; Shamim, M. A.; Poltimäe, Triinu; Süld, Tiia-Maaja; Krumme, Andres; Kers, Jaan Proceedings of the 11th Meeting of the Northern European Network for Wood Sciences and Engineering (WSE) : September 14-15, 2015, Poznan, Poland 2015 / p. 278

Millega tuleb arvestada CLT-paneelidest maju ehitades?

Kukk, Villu Ehitaja 2022 / lk. 42 https://www.ester.ee/record=b1072123*est

Millega tuleb arvestada Eestis CLT-paneelidest maju ehitades? [Võrguväljaanne]

ehitusuudised.ee 2022 [Millega tuleb arvestada Eestis CLT-paneelidest maju ehitades?](#)

Mis teha, kui naaber ladustab vägisi oma puid meie kinnistule?

Feldschmidt, Uno Maaleht 2024 / lk. 35 <https://dea.digar.ee/article/maaleht/2024/10/10/38.1>

Mullikile asendamiseks "puidust vedrusid" tootev idufirma kaasas pea 9 miljonit eurot

Änilane, Eleen digipro.geenius.ee 2022 [Mullikile asendamiseks...](#)

Popularization of timber structures in Estonia

Tuhkanen, Eero Proceedings of the 1st Eastern Europe Conference on Timber Constructions : (EECTC-2018), O.M. Beketov National University of Urban Economy in Kharkiv, Ukraine 7-8 June 2018 2018 / p. 78-84 : ill <https://eectc.pro/images/Proceedings%20of%20EECTC-2018.pdf>

Potential of cross-laminated timber for independent shear wall systems

Tuhkanen, Eero; Rauk, Lauri Wood material science and engineering 2019 / p. 355-365 : ill <https://doi.org/10.1080/17480272.2019.1638450> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Prefabricated wooden modular elements for nZEB renovation

Pihelo, Peep; Kalamees, Targo; Kuusk, Kalle Advanced Building Skins : 13th Conference on Advanced Building Skins, 1-2 October, 2018, Bern, Switzerland 2018 / p. 591-598 : ill <https://abs.green/files/pdf/content-2018.pdf> <https://abs.green/conference-proceedings/>

Preliminary design model for wooden I-joists in fire

Mäger, Katrin Nele; Just, Alar Proceedings : meeting 52 : 26-29 August 2019, Tacoma WA, USA 2020 / p. 393-406 <https://d-nb.info/1201121965/04>

Proceedings of the 6th meeting of the Nordic-Baltic Network in Wood Material Science and engineering (WSE) : October 21-22, 2010, Tallinn, Estonia

2010 http://www.ester.ee/record=b2631630*est

Promoting building materials that have lower embodied carbon and energy in public procurements : experience from Estonia

Rebane, Kristel; Reihan, Alvina Management of environmental quality : an international journal 2016 / p. 722-739 : ill <https://doi.org/10.1108/MEQ-07-2015-0154> [Journal metrics at Scopus](#) [Article at Scopus](#)

Puidu füüsikalised omadused : praktikumi juhend

1998 https://www.ester.ee/record=b1216849*est

Puidu ja puitmaterjalide vastupidavus. Bioloogiliste ohuklasside määratlus
Mänd, Urmas; Soonurm, Enno 2002 https://www.ester.ee/record=b1736765*est

Puidu ja puittoodete vastupidavus : kaitsevahendiga immutatud täispuit. Osa 1, Kaitsevahendi läbitavuse ja sissejäävuse liigitus = Durability of wood and wood-based products : preservative-treated solid wood. Part 1, Classification of preservative penetration and retention
2023 https://www.ester.ee/record=b5562368*est

Puidu ja puittoodete vastupidavus : kaitsevahendiga immutatud täispuit. Osa 2, Juhised proovivõtu kohta kaitsevahendiga immutatud puidu analüüsiks = Durability of wood and wood-based products : preservative-treated solid wood. Part 2, Guidance on sampling for the analysis of preservative-treated wood
2023 https://www.ester.ee/record=b5562418*est

Puidu ja puittoodete vastupidavus : toimivuse määramise juhend = Durability of wood and wood-based products : guidance on performance
2023 https://www.ester.ee/record=b5547997*est

Puidu ja puittoodete vastupidavus [Võrguteavik] : kaitsevahendiga immutatud täispuit. Osa 1, Kaitsevahendi läbitavuse ja sissejäävuse liigitus = Durability of wood and wood-based products : preservative-treated solid wood. Part 1, Classification of preservative penetration and retention
2017 http://www.ester.ee/record=b4758737*est

Puidu liimimine, inseneripuidust toodete ja puitplaatide valmistamine
Puidutöötlemise õpik 2025 / lk. 268-374 : ill <https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93>
https://www.ester.ee/record=b5714083*est

Puidu pinnatöötlus, viimistlusmaterjalid ja -tehnoloogiad
Kers, Jaan Puidutöötlemise õpik 2025 / lk. 449-545 : ill https://www.ester.ee/record=b5714083*est
<https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93>

Puiduliste materjalide toksilisus
Sillajõe, Aadu; Kaps, Tiit; Vares, Toomas 1990

Puidust põrandakate : täispuidust üksikud ja eelkoostatud lehtpuulauad = Wood flooring : solid individual and pre-assembled hardwood boards
2013 https://www.ester.ee/record=b2931408*est

Puidust põrandakate [Võrguteavik] : täispuidust üksikud ja eelkoostatud lehtpuulauad = Wood flooring : solid individual and pre-assembled hardwood boards
2020 https://www.ester.ee/record=b5366547*est

Puidust põrandakate. Massiivpuidust eelkoostatud lehtpuulaud
Reiska, Rein 2005 https://www.ester.ee/record=b2016671*est

Puidust põrandakate. Massiivpuidust okaspuu põrandalauad
Reiska, Rein 2004 https://www.ester.ee/record=b1978050*est

Puidust põrandakate. Terminoloogia
Reiska, Rein 2004 https://www.ester.ee/record=b1977568*est

Puidutehnoloogia laudseppadele ja mööbelseppadele. 1
Veski, Arvo; Ussisoo, Teodor 1947 https://www.ester.ee/record=b1451964*est

Puidutehnoloogia laudseppadele ja mööbelseppadele. 2
Veski, Arvo 1947 https://www.ester.ee/record=b1451968*est

Puidutöötlemise õpik
2025 <https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93> https://www.ester.ee/record=b5714083*est

Puit päevakorral kogu maailmas
Just, Alar Ehitaja 1999 / 6, lk. 5-8: ill https://artiklid.elnet.ee/record=b1001239*est

Puit tarbematerjalina
Veski, Arvo; Ussisoo, Teodor 1942 https://www.ester.ee/record=b1656365*est

Puit tarbematerjalina

Ussisoo, Teodor; Veski, Arvo 1943 https://www.ester.ee/record=b1209693*est

Ristkihtliimpuidust paneel – kas tulevikus Eestis levinud ehitusmaterjal? [Võrguväljaanne]

postimees.ee 2022 [Ristkihtliimpuidust paneel – kas tulevikus Eestis levinud ehitusmaterjal?](#)

Small-scale assessment method for the fire resistance of historic plaster system and timber structures

Liblik, Johanna; Just, Alar Fire and materials 2023 / p. 62–74 : ill <https://doi.org/10.1002/fam.3069> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tehnikaülikooli teadlased aitavad puitmaju tulekindlaks ehitada

Just, Alar Äripäev 2019 / Ehitusuudised, lk. 16

Tehnikaülikooli teadlaste uuring aitab ehitada puitmaju tulekindlamaks [Võrguväljaanne]

Himma, Marju novaator.err.ee 2019 / fot [Tehnikaülikooli teadlaste uuring aitab ehitada puitmaju tulekindlamaks](#)

The effect of artificial solar light on wood and coatings on wood surface

Rohumaa, Anti; Koponen, Hannu; Kaps, Tiit 1999 https://www.ester.ee/record=b1247117*est

The structural behaviour of cross-Laminated Timber Rib Panels in Fire

Kleinhenz, Miriam; **Just, Alar**; Frangi, Andrea Fire technology 2024 / p. 2651-2673 : ill <https://doi.org/10.1007/s10694-024-01552-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermally treated wood-material for traditional and innovative approach

Kaps, Tiit; Kask, Olav Proceedings of Baltic Polymer Symposium 2003 : Jurmala, September 17-19, 2003 2003 / p. 21-25 : ill

Tihe konkurents tooraine pärast annab eelise neile, kes väärindavad seda enim

Kers, Jaan Kõik tööstustehnikast 2021 / p. 4-5 <https://eestiturundusagentuur.ee/wp-content/uploads/2021/12/Toostustehnika-v.pdf>

Täispuidust seina- ja laevooderdis [Võrguteavik] : omadused, vastavushindamine ja märgistus = Solid wood panelling and cladding : characteristics, evaluation of conformity and marking

2015 http://www.ester.ee/record=b4512271*est

Täispuidust vooderdis ja pealistus [Võrguteavik] : omadused, nõuded ja märgistus = Solid wood panelling and cladding : characteristics, requirements and marking

2020 https://www.ester.ee/record=b5342985*est

Valorizing low-quality wood species into innovative multilayer engineered wood products = Madalakvaliteediliste puiduliikide puidu väärindamine innovatiivseteks kihilisteks inseneripuittoodeteks

Akkurt, Tolgay 2025 https://www.ester.ee/record=b5757106*est <https://digikogu.taltech.ee/et/Item/8f72385d-d8f0-40eb-b21f-f41170872c8e> <https://doi.org/10.23658/taltech.58/2025>

Термохимическое модифицирование древесины. Сообщение I, Проблемы износа и затупления инструмента при резании древесных композиционных материалов

Riistop, Märt; Kaps, Tiit Синтез и применение поликонденсационных клеев. 4 1981 / с. 81-85

https://www.ester.ee/record=b2191035*est <https://digikogu.taltech.ee/et/Item/b5691e32-e425-4279-b0c6-86c2af1f88a1>

Термохимическое модифицирование древесины. Сообщение II, Влияние хлористого хрома на скорость отверждения смолы ДФК-16 в древесине

Kaps, Tiit; Riistop, Märt; Jäetma, Riina Синтез и применение поликонденсационных клеев. 4 1981 / с. 87-90

https://www.ester.ee/record=b2191035*est <https://digikogu.taltech.ee/et/Item/b5691e32-e425-4279-b0c6-86c2af1f88a1>

Токсичность древесных материалов

Sillajõe, Aadu; Kaps, Tiit; Vares, Toomas 1990 https://www.ester.ee/record=b1193202*est