

Advanced multifunctional materials and their applications

Antonov, Maksim; Hussainova, Irina; Kers, Jaan; Kulu, Priit; Kübarsepp, Jakob; Veinthal, Renno Research in Estonia : present and future 2011 / p. 146-167

Air permeability properties of cross laminated timber

Luciani, Giovanni; Horta, R.; Kallakas, Heikko; Kers, Jaan 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. 80 <http://www.kki.lv/dokumenti/WSE2016.pdf>

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.jobee.2021.102610> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Assessment of fire-retardant treatments and their impact on the fire performance and bonding properties of aspen and silver birch veneers

Alao, Percy Festus; Olusoji, Adekunle; Kallakas, Heikko; Just, Alar; Kers, Jaan European journal of wood and wood products 2025 / art. 66 <https://doi.org/10.1007/s00107-025-02223-1>

Bioceb: tuleviku biomajandust loome viie ülikooli ühise õppekavaga

Kers, Jaan Mente et Manu 2022 / lk. 34-37 : fot https://www.ester.ee/record=b1242496*est

Bioplastid ja bioplasttooted

Kers, Jaan Keskkonnatehnika 2010 / 8, lk. 24-27 : ill

Briquetting of municipal solid waste by different technologies in order to evaluate its quality and properties

Križan, Peter; Matuš, M.; Šooš, Lubomir; Kers, Jaan; Peetsalu, Priidu; Kask, Ülo; Menind, Andres Agronomy research 2011 / p. 115-123 : ill

Characterisation of frost-retted hemp fibres for use as reinforcement in biocomposites = Külmligu kanepikiudude karakteriseerimine kasutamiseks sarrusena biokomposiitides

Alao, Percy Festus 2022 <https://doi.org/10.23658/taltech.31/2022> <https://digikogu.taltech.ee/et/Item/1cb2c061-7df8-4d8b-806a-fd53ea8820b5> https://www.ester.ee/record=b5500189*est

Characterization of disintegrator milled electronic waste powders for combustion and pyrolysis

Kers, Jaan; Goljandin, Dmitri; Vilsaar, Kristiina; Tall, Kaspar; Mikli, Valdek; Zuo, Xiangjun; Zhang, Lifeng 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 61

Characterization of disintegrator milled electronic waste powders for materials recovery

Kers, Jaan; Goljandin, Dmitri; Vilsaar, Kristiina; Tall, Kaspar; Mikli, Valdek; Zuo, Xiangjun; Zhang, L.; Schuman, T. Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 492-497 : ill

CNC machining of halftone and lithophane images into wood-based panels

Kiiman, Karmo; Luga, Üllar; Kers, Jaan 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. 74-79 : ill <http://www.kki.lv/dokumenti/WSE2016.pdf>

CNC machining of halftone and lithophane images into wood-based panels [Online resource]

Kiiman, Karmo; Luga, Üllar; Poltimäe, Triinu; Kers, Jaan Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / p. 1 <http://fntdk.ut.ee/teesid-2018/>

Control of gas emission during pyrolysis of waste printed wiring boards

Luyima, Alex; Zhang, Lifeng; Kers, Jaan; Schuman, Thomas EPD Congress 2012 held during the TMS 2012 Annual Meeting & Exhibition : Orlando, Florida, USA, March 11-15, 2012 2012 / p. 237-246 https://scholarsmine.mst.edu/matsci_eng_facwork/306/

Design and testing of new composite from recycled GFRP

Kers, Jaan; Majak, Jüri; Goljandin, Dmitri; Saarna, Mart; Gregor, Andre; Siinmaa, A.; Tall, Kaspar 14th European Conference on Composite Materials : 7-10 June 2010, Budapest, Hungary 2010 / [10] p

Design and testing of sandwich structures with different core materials

Herranen, Henrik; Pabut, Ott; Eerme, Martin; Majak, Jüri; Pohlak, Meelis; Kers, Jaan; Saarna, Mart; Allikas, Georg; Aruniit, Aare

Materials science = Medžiagotyra 2012 / p. 45-50 : ill

https://www.researchgate.net/publication/268366546_Design_and_Testing_of_Sandwich_Structures_with_Different_Core_Materials

Design guidelines of CLT external wall based on stochastic analysis

Kukk, Villu; Kers, Jaan; Kalamees, Targo; Wang, Lin; Ge, Hua Proceedings of the III Forum Wood Building Baltic, Riga Technical

University, 09-10.05, 2022, Riga, Latvia 2022 / p. 40-41 <https://forumwoodbuilding.rtu.lv/wp-content/uploads/sites/37/2022/05/FWBB2022-2022.05.09-speakers-day-1-and-2.pdf>

Design of light-weight sandwich panels for trailers

Allikas, Georg; Kers, Jaan; Aruniit, Aare; Herranen, Henrik; Eerme, Martin; Majak, Jüri; Pohlak, Meelis; Pabut, Ott ECCM15 -

15th European Conference on Composite Materials : Venice, Italy, 24-28 June 2012 2012 / 8 p. : ill

https://www.researchgate.net/publication/290060877_Design_of_light-weight_sandwich_panel_for_trailers

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

Detachable connecting fittings failure loads on plywood furniture

Saar, Kaarel; Kers, Jaan; Luga, Üllar; Reiska, Ahto Proceedings of the Estonian Academy of Sciences 2015 / p. 113-117 : ill

<https://doi.org/10.3176/proc.2015.1S.07> https://artiklid.elnet.ee/record=b2716371*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Determination of physical, mechanical and burning characteristics of polymeric waste material briquettes

Kers, Jaan; Kulu, Priit; Aruniit, Aare; Laurmaa, Viktor; Križan, Peter; Šooš, Lubomir; Kask, Ülo Estonian journal of engineering

2010 / p. 307-316 : ill

Determination of resistance to wear of particulate composite

Aruniit, Aare; Antonov, Maksim; Kers, Jaan; Krumme, Andres Engineering materials & tribology XXII 2014 / p. 188-191

<https://doi.org/10.4028/www.scientific.net/KEM.604.188> Conference proceedings at Scopus Article at Scopus Conference proceedings at WOS Article at WOS

Development of emulsion and impregnation technology for wood bioprotection

Kaps, Tiit; Reiska, Rein; Kallavus, Urve; Luga, Üllar; Kers, Jaan Proceedings of the 8th International Conference of DAAAM

Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 627-632 : ill

Development of hemp hurd particleboards from formaldehyde-free resins

Alao, Percy Festus; Tobias, Micah Onyedikachi; Kallakas, Heikko; Poltimäe, Triinu; Kers, Jaan; Goljandin, Dmitri 11th

International Conference Biosystems Engineering : May 6-8, 2020 in Tartu, Estonia : book of abstracts [Võrguteavik] 2020 / p. 99

https://www.ester.ee/record=b5347289*est

Development of hemp hurd particleboards from formaldehyde-free resins

Alao, Percy Festus; Tobias, Micah Onyedikachi; Kallakas, Heikko; Poltimäe, Triinu; Kers, Jaan; Goljandin, Dmitri Agronomy

research 2020 / p. 679–688 : ill <https://doi.org/10.15159/AR.20.127> Journal metrics at Scopus Article at Scopus

Disintegrator milling system development and milling technologies of different materials =

Desintegraatorjahvatussüsteemi arendus ja erinevate materjalide desintegraatorjahvatustehnoloogiad

Goljandin, Dmitri 2013 <https://digi.lib.ttu.ee/i/?937> https://www.ester.ee/record=b2994890*est

Durability of wood plastic composites : influence of weathering on the mechanical properties

Kallakas, Heikko; Poltimäe, Triinu; Süld, Tiia-Maaja; Kers, Jaan Proceedings of The Northern European Network for Wood

Science and Engineering : Edinburgh, Scotland, 13-14 October 2014 2014 / p. 229

Eesti mööbel paistis silma Kölni maailmamessil : [intervjuu professor Jaan Kersiga puidutöötlemise erialast messil nähtu põhjal]

Kers, Jaan; Ummelas, Mart Mente et Manu 2012 / lk. 2-3 : fot https://www.ester.ee/record=b1242496*est

Eestil on vaja materjalitehnolooge, kes rohepöörde päriselt ellu viiksid!

Kers, Jaan delfi.ee 2024 <https://arileht.delfi.ee/artikkel/120297193/eestil-on-vaja-materjalitehnolooge-kes-rohepoorde-pariselt-ellu-viiksid>

Effect of accelerated weathering on the mechanical properties of wood-plastic composites

Kallakas, Heikko; Poltimäe, Triinu; Süld, Tiia-Maaja; Kers, Jaan Baltic Polymer Symposium 2014 : programme and abstracts :

Laulasmaa, Estonia, September 24-26, 2014 2014 / p. 75

Effect of basalt reinforcement type and content on the abrasive wear behaviour of polymer composites

Antonov, Maksim; Kers, Jaan; Liibert, Laura; Shuliak, Volodymyr; Smirnov, Anton; Bartolome, Jose F. Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 181-188 : ill

<https://doi.org/10.4028/www.scientific.net/KEM.674.181> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Effect of birch false heartwood on the physical and mechanical properties of wood-plastic composites [Online resource]

Kallakas, Heikko; Martin, Mihkel; Ayansola, Gbenga; Poltimäe, Triinu; Krumme, Andres; Kers, Jaan Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fmdtk.ut.ee/teesid-2018/>

Effect of birch veneer processing factors on adhesive bond shear strength

Piirlaid, Marko; Matsi, M.; **Kers, Jaan; Rohumaa, Anti; Meier, Pille** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 705-710 : ill

Effect of chemical modification of wood flour on the mechanical properties of wood-plastic composites

Kallakas, Heikko; Shamim, M. A.; Olutubo, T.; Poltimäe, Triinu; Süld, Tiia-Maaja; Krumme, Andres; Kers, Jaan Agronomy research 2015 / p. 639-653 : ill https://agronomy.emu.ee/vol133/13_3_2_B5.pdf [Journal metrics at Scopus](#) [Article at Scopus](#)

Effect of chemical modification of wood flour on the mechanical properties of wood-plastic composites [Electronic resource]

Kallakas, Heikko; Shamim, M. A.; Olutubo, T.; Poltimäe, Triinu; Süld, Tiia-Maaja; Krumme, Andres; Kers, Jaan 6th International Conference Biosystems Engineering 2015 : 7-8 May 2015, Tartu, Estonia : book of abstracts 2015 / p. 94. [CD-ROM] http://bse.emu.ee/BSE2015_Book%20of%20ABSTRACTS_ISBN.pdf

Effect of different hardwood species and lay-up schemes on the mechanical properties of plywood

Kallakas, Heikko; Rohumaa, Anti; Vahermets, Harti; Kers, Jaan Forests 2020 / art. 649, 13 p. : ill <https://doi.org/10.3390/f11060649> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of hardwood veneer densification on plywood density, surface hardness, and screw withdrawal capacity

Kallakas, Heikko; Kallakas, Heikko; Akkurt, Tolgay; Akkurt, Tolgay; Scharf, Alexander; Scharf, Alexander; **Mühls, Fred; Mühls, Fred; Rohumaa, Anti; Rohumaa, Anti; Kers, Jaan; Kers, Jaan** Forests 2024 / art. 1275 <https://doi.org/10.3390/f15071275> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of hemp fiber surface treatment on the moisture/water resistance and reaction to fire of reinforced PLA composites

Alao, Percy Festus; Marrot, Laetitia; **Kallakas, Heikko; Just, Alar; Poltimäe, Triinu; Kers, Jaan** Materials 2021 / art. 4332, 17 p. : ill <https://doi.org/10.3390/ma14154332> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of hemp fibre length on the properties of polypropylene composites

Alao, Percy Festus; Kallakas, Heikko; Poltimäe, Triinu; Kers, Jaan Agronomy research 2019 / p. 1517–1531 : ill <https://doi.org/10.15159/AR.19.146> [Journal metrics at Scopus](#) [Article at Scopus](#)

Effect of hemp fibre length on the properties of polypropylene composites [Online resource]

Alao, Percy Festus; **Kallakas, Heikko; Kers, Jaan** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebruar, 2019, Tartu : teesid] 2019 / 1 p.: ill <http://fmdtk.ut.ee/teesid-2019/>

Effect of lignin on veneer densification and set-recovery

Kilumets, Catherine; Kallakas, Heikko; Ralph, Sally; Zhu, J. Y.; Hunt, Christopher Glaab; **Rohumaa, Anti; Kers, Jaan** Construction and building materials 2024 / art. 138795 <https://doi.org/10.1016/j.conbuildmat.2024.138795>

Effect of log soaking and the temperature of peeling on the properties of rotary-cut birch (Betula pendula Roth) veneer bonded with phenol-formaldehyde adhesive

Rohumaa, Anti; Yamamoto, Akio; Hunt, Christopher Glaab; Frihart, Charles Richard; Hughes, Mark; Kers, Jaan Bioresources 2016 / p. 5829-5838 : ill <https://doi.org/10.15376/biores.11.3.5829-5838> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of surface properties on bond strength of birch, black alder, grey alder and aspen veneers

Rohumaa, Anti; Kallakas, Heikko; Mäetalu, Marja; Savest, Natalja; Kers, Jaan International Journal of Adhesion and Adhesives 2021 / art. 102945 <https://doi.org/10.1016/j.ijadhadh.2021.102945> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of wood flour fraction size on the properties of wood-plastic composites

Kängsepp, Kärt; **Poltimäe, Triinu;** Liimand, K.; **Kallakas, Heikko; Süld, Tiia-Maaja; Repeshova, Irina; Goljandin, Dmitri; Kers, Jaan** Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 366-371

Effective protection of pinewood against fungal attack

Kaps, Tiit; Reiska, Rein; Kallavus, Urve; Koolme, Margus; Luga, Üllar; Kers, Jaan Agronomy research 2012 / p. 123-129 : ill <https://agronomy.emu.ee/vol10Spec1/p10s113.pdf>

Effective Wood Veneer Densification by Optimizing Key Parameters : Temperature, Equilibrium Moisture Content, and Pressure

Akkurt, Tolgay; Rohumaa, Anti; Kers, Jaan Forests 2025 / 14 p. : ill <https://doi.org/10.3390/f16060969>

Embedded electronics influence on the strength of carbon fiber laminate

Herranen, Henrik; Kers, Jaan; Preden, Jürjo-Sören; Talalaev, Robert; Eerme, Martin; Majak, Jüri; Lend, Henri; Allikas, Georg Advances in applied materials and electronics engineering III 2014 / p. 239-243
<https://doi.org/10.4028/www.scientific.net/AMR.905.239> [Article at Scopus](#)

Enhancing the bending strength, load-carrying capacity and material efficiency of aspen and black alder plywood through thermo-mechanical densification of face veneers

Akkurt, Tolgay; Rohumaa, Anti; Kallakas, Heikko; Scharf, Alexander; Kers, Jaan Construction and building materials 2024 / art. 138555 <https://doi.org/10.1016/j.conbuildmat.2024.138555>

Extremes of apparent and tap densities of recovered GFRP filler materials

Kers, Jaan; Majak, Jüri; Gregor, Andre; Malmstein, M.; Vil Saar, Kristiina 15th International Conference on Composite Structures : Portugal, Porto 2009 / ? p <https://www.sciencedirect.com/science/article/pii/S0263822309004085>

Extremes of apparent and tap densities of recovered GFRP filler materials

Kers, Jaan; Majak, Jüri; Goljandin, Dmitri; Gregor, Andre; Malmstein, M.; Vil Saar, Kristiina Composite structures 2010 / 9, p. 2097-2101 : ill <https://www.sciencedirect.com/science/article/pii/S0263822309004085>

Fiber-reinforced plywood: Increased performance with less raw material

Saal, Kristjan; Kallakas, Heikko; Tuhkanen, Eero; Just, Alar; Rohumaa, Anti; Kers, Jaan; Kalamees, Targo; Lõhmus, Rünno Materials 2024 / art. 3218 <https://doi.org/10.3390/ma17133218> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Field measurements and simulation of an massive wood panel envelope with ETICS

Kukk, Villu; Kers, Jaan; Kalamees, Targo Wood material science and engineering 2021 / p. 27-34 : ill <https://doi.org/10.1080/17480272.2020.1712738> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Field measurements of a MHM envelope with ETICS

Kukk, Villu; Kalamees, Targo; Kers, Jaan Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 48-49 : ill https://www.ester.ee/record=b5197207*est

Fire and mechanical properties of hemp and clay boards for timber structures

Kallakas, Heikko; Liblik, Johanna; Alao, Percy Festus; Poltimäe, Triinu; Just, Alar; Kers, Jaan IOP conference series : earth and environmental science Central Europe towards Sustainable Building (CESB19) 2–4 July 2019, Prague, Czech Republic 2019 / art. 012019, 8 p. : ill <https://doi.org/10.1088/1755-1315/290/1/012019> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Foreign object induced fiber undulation influence on mechanical properties of composite laminate

Herranen, Henrik; Lend, Henri; Kuusik, Alar; Czichon, Steffen; Kers, Jaan; Piirlaid, Marko International Conference on Composite Materials 2013 (ICCM-19) : Montreal, Quebec, Canada, 28 July-2 August 2013 : [proceedings] 2013 / p. 837-844

Green pyrolysis of used printed wiring board powders

Damoah, L.; Zuo, Xiangjun; Zhang, Lifeng; Schuman, T.; Kers, Jaan Recycling of Electronic Waste II : proceedings of the Second Symposium 2011 / p. 17-24 <https://onlinelibrary.wiley.com/doi/10.1002/9781118086391.ch3>

Haar wavelet based discretization technique for analysis and design of composite plate and shell structures

Majak, Jüri; Pohlak, Meelis; Eerme, Martin; Karjust, Kristo; Kers, Jaan 14th European Conference on Composite Materials : 7-10 June 2010, Budapest, Hungary 2010 / Paper ID: 431-ECCM14, [10] p.: ill https://www.researchgate.net/publication/267556579_Wavelet_based_discretization_technique_for_analysis_and_design_of_composite_structures

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](#)

Hygrothermal criteria for design of cross-laminated timber external walls with ventilated facades = Soojus- ja niiskustehnilised kriteeriumid tuulduva fassaadiga riskihtiimpuidust välisseinte projekteerimiseks

Kukk, Villu 2022 <https://doi.org/10.23658/taltech.33/2022> <https://digikogu.taltech.ee/et/Item/aedf3ed3-26d7-49be-b386-20cd705ac4b7> https://www.ester.ee/record=b5501869*est

Hygrothermal performance of mass timber wall assembly with external insulation finish system

Kukk, Villu; Kers, Jaan; Kalamees, Targo Buildings XIV : thermal performance of exterior envelopes of whole buildings : [conference proceedings] 2019 / 9 p [Hygrothermal Performance of Mass Timber](#)

Impact of alkali and silane treatment on hemp/PLA composites' performance : from micro to macro scale

Alao, Percy Festus; Marrot, Laetitia; Burnard, Michael David; Lavrič, Gregor; Saarna, Mart; Kers, Jaan Polymers 2021 / art. 851, 18 p. : ill <https://doi.org/10.3390/polym13060851> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of aspen and black alder substitution in birch plywood

Akkurt, Tolgay; Kallakas, Heikko; Rohumaa, Anti; Hunt, Christopher Glaab; Kers, Jaan Forests 2022 / art. 142 <https://doi.org/10.3390/f13020142>

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](#)

Impact of cracks to the hygrothermal performance of cross laminated timber

Kukk, Villu; Püssa, Martin; Kallakas, Heikko; Kers, Jaan 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. 143 <http://www.kki.lv/dokumenti/WSE2016.pdf>

Impact of cracks to the hygrothermal properties of CLT water vapour resistance and air permeability

Kukk, Villu; Horta, R.; Püssa, Martin; Luciani, Giovanni; Kallakas, Heikko; Kalamees, Targo; Kers, Jaan Energy procedia 2017 / p. 741-746 : ill <https://doi.org/10.1016/j.egypro.2017.10.019> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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 accelerated weathering on the mechanical and physical properties of wood-plastic composites

Kallakas, Heikko; Poltimäe, Triinu; Süld, Tiia-Maaja; Kers, Jaan; Krumme, Andres Proceedings of the Estonian Academy of Sciences 2015 / p. 94-104 : ill <https://doi.org/10.3176/proc.2015.1S.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of birch false heartwood on the physical and mechanical properties of wood-plastic composites

Kallakas, Heikko; Ayansola, Gbenga; Tumanov, Tanel; Goljandin, Dmitri; Poltimäe, Triinu; Krumme, Andres; Kers, Jaan Bioresources 2019 / p. 3554-3566 : ill <https://doi.org/10.15376/biores.14.2.3554-3566> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of filler proportion on mechanical and physical properties of particulate composite

Aruniit, Aare; Kers, Jaan; Tall, Kaspar Agronomy research 2011 / p. 23-29 : ill

Influence of hollow glass microspheres on the mechanical and physical properties and cost of particle reinforced polymer composites

Aruniit, Aare; Kers, Jaan; Majak, Jüri; Krumme, Andres; Tall, Kaspar Proceedings of the Estonian Academy of Sciences 2012 / p. 160-165 : ill https://artiklid.elnet.ee/record=b2535363*est

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](#)

Influence of protic ionic liquid-based flame retardant on the flammability and water sorption of alkalized hemp fiber-reinforced PLA composites

Alao, Percy Festus; Press, Raimond; Ruponen, Jussi; Mikli, Valdek; Kers, Jaan Polymers 2023 / art. 3661 <https://doi.org/10.3390/polym15183661> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Introduction of the COST FP 1303 cooperative performance test [Electronic resource]

Humar, M.; Brischke, C.; Kallakas, Heikko; Kers, Jaan Proceedings IRG Annual Meeting 2015 / p. 1-22 : ill

Investigation of efficient alkali treatment and the effect of flame retardant on the mechanical and fire performance of frost-retted hemp fiber reinforced PLA

Alao, Percy Festus; Press, Raimond; Kallakas, Heikko; Ruponen, Jussi; Poltimäe, Triinu; Kers, Jaan Polymers 2022 / art. 2280 <https://doi.org/10.3390/polym14112280> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Jahi- ja kaatrikeremudelite valmistamine 5-teljelise programmijuhtimispingi abil

Kers, Jaan Ehitaja 2011 / 4, lk. 42-44 : ill https://artiklid.elnet.ee/record=b2369624*est

Kasutuselt kõrvaldatud personaalarvutites sisalduva plasti ringlussevõtt

Kers, Jaan; Küttis, Taavi; Kaupmees, Elen Keskkonnatehnika 2006 / 7, lk. 18-21 : ill https://artiklid.elnet.ee/record=b1019684*est

Kasutuselt kõrvaldatud personaalarvutites sisalduvate trükiplaadimaterjalide ringlussevõtt

Kers, Jaan; Vilsaar, Kristiina; Tall, Kaspar; Laurmaa, Viktor Keskkonnatehnika 2009 / 4, lk. 32-35 : ill https://artiklid.elnet.ee/record=b1476471*est

Keskkonnakasuga ehitusmaterjalidest

Hurt, Kadri Kestlik Eesti Roheline jalajälg : Delfi Meedia As 2024 / lk. 14-16 https://www.ester.ee/record=b5678518*est [Keskkonnakasuga ehitusmaterjalidest](#)

Komposiitplastist toodete valmistustehnoloogiad ja tootmisjäätmete ringlussevõtt

Kers, Jaan Keskkonnatehnika 2008 / 5, lk. 18-22 : ill https://artiklid.elnet.ee/record=b1022335*est

Koostööfestival "Õigel ajal õiges kohas" toimub sel aastal Tartus uues Eesti Rahva Muuseumis

Rute, Caroline Mente et Manu 2016 / lk. 32-33 : fot http://www.ttu.ee/public/u/ulikool/Tutvustus/ajaleht-mente-et-manu/MM_2016_05/index.html https://artiklid.elnet.ee/record=b2797138*est https://artiklid.elnet.ee/record=b2797138*est

Leachability of wood protection agents from impregnated pine wood

Kängsepp, Kärt; Larnoy, Erik; Kers, Jaan; Meier, Pille Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2012 / p. 663-667

Lepp ja haab ei anna rämpspuitu, vaid väärtuslikku toorainet

toostusuudised.ee 2024 [Lepp ja haab ei anna rämpspuitu, vaid väärtuslikku toorainet](#)

Linakasvatus, linakiu tootmine ja linakomposiidid

Kers, Jaan Keskkonnatehnika 2010 / 5, lk. 32-35 : ill https://artiklid.elnet.ee/record=b2154947*est

Lugeja küsib: miks puit alati tumedamaks läheb? [Võrguväljaanne]

novaator.err.ee 2021 / fot [Lugeja küsib: miks puit alati tumedamaks läheb?](#)

Materjaliõpetuse praktikumide ja kodutööde juhendid

2010 https://www.ester.ee/record=b2624752*est <https://digikogu.taltech.ee/et/Item/5315a9bb-9e25-400a-89c3-9d0f1c3f03f7>

Mechanical and physical properties of hemp fiber-mat reinforced polyethylene film composites

Yang, Xuejian; Kallakas, Heikko; Kers, Jaan Biocomp 2016 : the 13th Pacific Rim Bio-Based Composite Symposium, Bio-Based Composites for the Sustainable Future : November 14th to 16th, 2016, Concepcion, Chile : abstracts 2016 / p. 91 : ill <http://publicaciones.udt.cl/wp-content/uploads/2017/05/Abstracts-Biocomp-2016-2.pdf>

Mechanical and physical properties of industrial hemp-based insulation materials

Kallakas, Heikko; Närep, Merili; Närep, Aivo; Poltimäe, Triinu; Kers, Jaan Proceedings of the Estonian Academy of Sciences 2018 / p. 183-192 : ill <https://doi.org/10.3176/proc.2018.2.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Mechanical and physical properties of thermally modified wood flour reinforced polypropylene composites

Kallakas, Heikko; Martin, Mihkel; Goljandin, Dmitri; Poltimäe, Triinu; Krumme, Andres; Kers, Jaan Agronomy research 2016 / p. 994-1003 : ill http://ise.elnet.ee/record=b2891902~S1*est [Journal metrics at Scopus](#) [Article at Scopus](#)

Mechanical and physical properties of thermally modified wood flour reinforced polypropylene composites [Online resource]

Kallakas, Heikko; Poltimäe, Triinu; Krumme, Andres; Kers, Jaan Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p <http://fntdk.ut.ee/teesid/>

Mechanical and pyrometallurgical recycling of electronic wastes

Zhang, L.; Zuo, Xiangjun; Kers, Jaan; Goljandin, Dmitri; Peetsalu, Priidu REWAS 2008 (Global Symposium on Recycling, Waste Treatment and Clean Technology) : Cancun, Mexico, 12-15.10.2008 2008 / p. 699-708

Mechanical properties of connecting fittings for plywood furniture

Saar, Kaarel; **Kers, Jaan**; Luga, Üllar; Reiska, Ahto Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 399-404 : ill

Mechanical recycling of compounded plastic waste for material valorization by briquetting

Kers, Jaan; Križan, P.; Letko, M. Baltic Polymer Symposium 2009 : Ventspils, Latvia, September 22-25 : programme and proceedings 2009 / p. 22

Mechanical recycling of compounded plastic waste for material valorization by briquetting

Kers, Jaan; Križan, Peter; Letko, Martin Scientific journal of Riga Technical University. Series 1, Material science and applied chemistry 2010 / p. 39-44 <https://ortus.rtu.lv/science/en/publications/8056>

Mechanical recycling of compounded polymeric waste and evaluation of briquetting parameters

Kers, Jaan; Križan, P.; Letko, M.; Šooš, Lubomir; **Kask, Ülo**; **Gregor, Andre** Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 468-473 : ill

Mechanical recycling of electronic wastes by high-energy disintegrator mills

Kers, Jaan; Goljandin, Dmitri; Adoberg, Eron; Laurmaa, Viktor; Križan, Peter TOP 2011 - Engineering of Environment Protection : Casta-Papiernicka, Slovakia, 14-16 June, 2011 2011 / p. 131-136
https://www.researchgate.net/publication/288401840_Mechanical_recycling_of_electronic_wastes_for_materials_recovery

Mechanical recycling of electronic wastes for materials recovery

Laurmaa, Viktor; **Kers, Jaan**; Tall, Kaspar; Mikli, Valdek; Goljandin, Dmitri; Vilsaar, Kristiina; Peetsalu, Priidu; Saarna, Mart; Tarbe, Riho; Zhang, Lifeng Recycling of electronic waste II : proceedings of the second symposium 2011 / p. 3-10

Mehaanikainseneri käsiraamat

2012 https://www.ester.ee/record=b2860301*est

Mehaanikainseneri käsiraamat

2015

Mehaanikainseneri käsiraamat

2013 https://www.ester.ee/record=b3007631*est

Mehhanotehnika ja metallide käsiraamat

2012 http://www.ester.ee/record=b2860365*est

Meie paberipuidule saaks rajada roheline Eesti majandusmootori

Kers, Jaan Eesti Päevaleht 2021 / Lk. 3 <https://dea.digar.ee/article/eestipaevaleht/2021/06/15/3.6>

Microstructure study of birch false heartwood

Bankole, Olabode Samuel; Rohumaa, Anti; **Kers, Jaan** 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. 117-123 : ill <http://www.kki.lv/dokumenti/WSE2016.pdf>

Miks just puit on Hiiumaa tulevikumaterjal?

Kers, Jaan Hiiu Leht 2023 [Miks just puit on Hiiumaa tulevikumaterjal?](#)

Miks puidu rafineerimise teine tulek võiks ja peaks õnnestuma?

Kers, Jaan Äripäev 2021 / Lk. 18 : ill https://www.ester.ee/record=b2952033*est

Modelling a new composite from a recycled GFRP

Kers, Jaan; Majak, Jüri Mechanics of composite materials 2008 / 6, p. 623-632 : ill
<https://ui.adsabs.harvard.edu/abs/2008MCM....44..623K/abstract>

Modelling and testing of the properties of recovered composite material

Kers, Jaan; Goljandin, Dmitri; Tall, Kaspar; Aruniit, Aare; Adoberg, Eron; Saarna, Mart; Majak, Jüri Proceedings of the Tenth International Conference on Computational Structures Technology : Valencia, Spain, 14-17 September 2010 2010 / Paper 81
https://www.researchgate.net/publication/269140253_Modelling_and_Testing_of_the_Properties_of_Recovered_Composite_Material

Mööbli kavandamine, konstrueerimine, seotised ja furnituur

Kers, Jaan; Kiiman, Karmo Puidutöötlemise õpik 2025 / lk. 546-602 : ill https://www.ester.ee/record=b5714083*est
<https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93>

Nanoscale vibration analysis of graphene sheets using nonlocal elasticity theory

Majak, Jüri; Pohlak, Meelis; Eerme, Martin; **Kers, Jaan** Proceedings of the International Conference on Mechanics of Nano, Micro

Natural weathering of bio-based façade materials

Alao, Percy Festus; Visnapuu, Kevin; Kallakas, Heikko; Poltimäe, Triinu; Kers, Jaan Forests 2020 / art. 642, 12 p. : ill
<https://doi.org/10.3390/f11060642> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nii kutsehariduskeskus kui ka kolledž on valmis õpetama puidukeemiat

Sommer-Kalda, Sirle Põhjarannik 2023 / Lk. 6 <https://dea.digar.ee/article/pohjarannik/2023/02/09/10.3>

Nüüd tenuuris : Dirk Draheim ja Jaan Kers

Draheim, Dirk; Kers, Jaan Mente et Manu 2022 / lk. 52-53 : fot https://www.ester.ee/record=b1242496*est

Olmejäätmete briketeerimine koos puidu- ja paberijäätmetega

Kers, Jaan Keskkonnatehnika 2012 / lk.28-31 : ill https://artiklid.elnet.ee/record=b2475312*est

Optimal conditions for valuation of wood waste by briquetting

Menind, Andres; Križan, Peter; Šooš, Lubomir; Matuš, M.; **Kers, Jaan** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1 2012 / p. 187-192 : ill

Parameters determination of compacted briquettes from municipal waste

Križan, P.; **Kers, Jaan** Proceedings of the full papers of 13th international conference on Mechanical Engineering 2010 : Bratislava, October 2010 2010 / p. S3-48 - S3-56

Particle reinforced polymer composite's stain resistance factors

Aruniit, Aare; Kers, Jaan; Krumme, Andres; Alikas, Georg; Poltimäe, Triinu ECCM15 - 15th European Conference on Composite Materials : Venice, Italy, 24-28 June 2012 2012 <http://www.escm.eu.org/eccm15/data/assets/417.pdf>

Particle reinforced polymer composites resistance to three body abrasive wear

Aruniit, Aare; Antonov, Maksim; Kers, Jaan; Krumme, Andres TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

Particle size and proportion influence to impact properties of particulate polymer composite

Aruniit, Aare; Kers, Jaan; Krumme, Andres; Peetsalu, Priidu Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 325-330 : ill

Particulate filled composite plastic materials from recycled GFRP

Kers, Jaan; Goljandin, Dmitri; Saarna, Mart; Aruniit, Aare; Tall, Kaspar; Majak, Jüri Baltic Polymer Symposium 2010 : Palanga, September 8-11, 2010 : programme and abstracts 2010 / p. 15

Particulate filled composite plastic materials from recycled glass fibre reinforced plastics

Aruniit, Aare; Kers, Jaan; Goljandin, Dmitri; Saarna, Mart; Tall, Kaspar; Majak, Jüri; Herranen, Henrik Materials science = Medžiagotyra 2011 / p. 276-281 : ill

Potential eco-friendly wood protection systems used in royal process

Liibert, Laura; **Treu, Andreas; Kers, Jaan**; Meier, Pille Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 674-679 : ill

Prefab light clay-timber elements for net zero whole-life carbon buildings

Päätaalo, Juha; **Alao, Percy Festus; Rohumaa, Anti; Kers, Jaan; Liblik, Johanna; Lylykangas, Kimmo Sakari** Journal of sustainable architecture and civil engineering 2024 / p. 89-100 <https://doi.org/10.5755/j01.sace.34.1.35561>

Prefab light clay-timber elements for net zero whole-life carbon buildings : [conference paper]

Päätaalo, Juha; **Kers, Jaan; Rohumaa, Anti; Alao, Percy Festus; Liblik, Johanna; Lylykangas, Kimmo Sakari** 5th International Conference Forum Wood Building Baltic : 26-28 February 2024, Tallinn, Estonia : proceedings 2024 / p. 124-125 : ill
<https://digikogu.taltech.ee/et/Item/22318c67-e0ef-42f1-88c7-34c9d9677b17> https://www.ester.ee/record=b5668645*est

Preliminary investigation into mechanical properties of clay reinforced with natural fibres

Peetsalu, Priidu; Resev, Jüri; Ruus, Aime; Menind, Andres; **Kers, Jaan; Sepper, Sirli**; Olt, Jüri Agronomy research 2010 / S1, p. 201-207 : ill

Preliminary investigation into tensile characteristics of long flax fibre reinforced composite material

Kers, Jaan; Peetsalu, Priidu; Saarna, Mart; Viikna, Anti; Krumme, Andres; Menind, Andres Agronomy research 2010 / S1, p. 107-114 : ill <https://agronomy.emu.ee/vol08Spec1/p08s113.pdf>

Preliminary investigation of technological, physical and economic parameters of herbaceous biomass briquettes

Preliminary study of the influence of post curing parameters to the particle reinforced composite's mechanical and physical properties

Aruniit, Aare; Kers, Jaan; Krumme, Andres; Poltimäe, Triinu; Tall, Kaspar Materials science = Medžiagotyra 2012 / p. 256-261 : ill <https://matssc.ktu.lt/index.php/MatSc/article/view/2435>

Pretreatment and usage of pulp and paper industry residues for fuels production and their energetic potential

Menind, Andres; Oper, Liis; Hovi, Mart; **Kers, Jaan**; Tutt, Marti; Kikas, Timo Agronomy research 2012 / p. 149-155 : ill <https://agronomy.emu.ee/vol10Spec1/p10s116.pdf>

Processing of lignocellulose in ionic liquids : a cleaner and sustainable approach

Qasim, Umair; Rafiq, Sikander; Jamil, Farrukh; Ahmed, Ashfaq; Ali, Touqeer; **Kers, Jaan**; Khurram, M. Shahzad; Hussain, Murid; Inayat, Abrar; Park, Young-Kwon Journal of cleaner production 2021 / art. 129189, 17 p. : ill <https://doi.org/10.1016/j.jclepro.2021.129189>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Professor Jaan Kers selgitab, kuidas TalTechi laboris muutub puit rõivaks

Kers, Jaan digi.geenius.ee 2025 <https://digi.geenius.ee/blogi/teadus-ja-tulevik/professor-jaan-kers-selgitab-kuidas-taltech-laboris-muutub-puit-roivaks/>

Professor Jaan Kers: uue põlvkonna tselluloositehased on haisuvabad

Kers, Jaan; Olmaru, Jaan Tartu Postimees 2017 / lk. 5 https://artiklid.elnet.ee/record=b2812959*est

Projekt RePlast FinEst kavandab Eestisse plastide uurimis- ja koolituskeskust

Kers, Jaan Keskkonnatehnika 2007 / 7, lk. 52-53 : ill https://artiklid.elnet.ee/record=b2056127*est

Properties of frost-retted hemp fibres for the reinforcement of composites

Marrot, Laetitia; **Alao, Percy Festus; Mikli, Valdek; Kers, Jaan** Journal of natural fibers 2022 / p. 16017-16028
<https://doi.org/10.1080/15440478.2021.1904474> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Properties of retted hemp fibres for reinforcement of composites

Marrot, Laetitia; **Alao, Percy Festus; Kallakas, Heikko; Poltimäe, Triinu; Kers, Jaan; Mikli, Valdek; Mere, Arvo** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 13 : ill <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

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>

Puidu tulevik : korrusmajad ja nutikad materjalid

Hansen, Regina; **Kers, Jaan** Maaleht 2016 / Metsaleht, lk. 6-7 <https://maaleht.delfi.ee/artikkel/75895149/puidu-tulevik-korrusmajad-ja-nutikad-materjalid>

Puidu tulevikukasutus on korrusmajades ja kõrghoonetes

Kers, Jaan Maaleht 2018 / lk. 18 <https://maaleht.delfi.ee/artikkel/82058059/puidu-tulevikukasutus-on-korrusmajades-ja-korghoonetes>

Puidu uus tulemine

Kers, Jaan Horisont 2022 / lk. 14-19 : fot https://www.ester.ee/record=b1072243*est

Puiduteadlane : keskkonnasõbralike toodete valmistamiseks vajab Eesti tselluloositehast

Viiron, Kristiina; **Kers, Jaan** Maaleht 2019 / lk. 14

Puidutöötlemise õpik

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

Puitplastkomposiidid taaskasutatavatest materjalidest

Kers, Jaan Keskkonnatehnika 2011 / 7, lk. 17-20 : ill https://artiklid.elnet.ee/record=b2438891*est

Raalprojekteerimis- ja -tootmisüsteemid mööblitööstuses. Puidutööstuse digitaliseerimine

Erik, Tauno; Jüriorg, Urmas; Kallisaar, Sander; **Kers, Jaan**; Link, Lauri; Muru, Meelis; Nool, Priit; **Otto, Tauno**; Riistop, Märt; Tammeväli, Siim; Vahemäe, Siim Puidutöötlemise õpik 2025 / lk. 603-669 : ill https://www.ester.ee/record=b5714083*est
<https://digikogu.taltech.ee/et/Item/32f67368-0b3f-4f3d-9c57-26b8d9d7bc93>

Recovery of metallic materials from printed wiring boards by green pyrolysis process

Luyima, Alex; Zhang, Lifeng; **Kers, Jaan; Laurmaa, Viktor** Materials science = Medžiagotyra 2012 / p. 238-242 : ill https://www.researchgate.net/publication/268386159_Recovery_of_Metallic_Materials_from_Printed_Wiring_Boards_by_Green_Pyrolysis_Proces

Recovery of metallic materials from printed wiring boards by green pyrolysis process

Luyima, A.; Shi, H.; Zhang, Lifeng; Schumann, T.; **Kers, Jaan; Laurmaa, Viktor; Goljandin, Dmitri; Mikli, Valdek** 20th International Baltic Conference Materials Engineering 2011, October 27-28, Kaunas, Lithuania : book of abstracts 2011 / p. 57-58
https://www.researchgate.net/publication/268386159_Recovery_of_Metallic_Materials_from_Printed_Wiring_Boards_by_Green_Pyrolysis_Process

Recycling of composite plastics = Komposiitplastide ringlus

Kers, Jaan 2006 https://www.ester.ee/record=b2208721*est

Recycling of electronic wastes by disintegrator mills and study of the separation technique of different materials

Kers, Jaan; Kulu, Priit; Goljandin, Dmitri; Kaasik, Martin; Ventsel, Teet; Vilsaar, Kristiina; Mikli, Valdek 17th International Baltic Conference : Materials Engineering 2008 : November 6-7, Kaunas, Lithuania : abstracts of papers 2008 / p. 43-44

Recycling of electronic wastes by disintegrator mills and study of the separation technique of different materials

Kers, Jaan; Kulu, Priit; Goljandin, Dmitri; Kaasik, Martin; Ventsel, Teet; Vilsaar, Kristiina; Mikli, Valdek Materials science 2008 / 4, p. 296-300 : ill

Recycling of reinforced acrylic plastic wastes by high energy mills

Kers, Jaan; Goljandin, Dmitri; Kulu, Priit Proceedings of the 1st International Conference on Engineering for Waste Treatment : WasteEng 05 : 17-19 May, 2005, Albi, France 2005 / [6] p. : ill

Reprocessing technology of composite plastic scrap and properties of materials from recycled plastics

Kers, Jaan; Kulu, Priit; Goljandin, Dmitri; Mikli, Valdek Proceedings of the Estonian Academy of Sciences. Engineering 2007 / 2, p. 105-116 : ill

Retreatment of industrial plastic wastes by high energy disintegrator mills

Kers, Jaan; Kulu, Priit REWAS'04 : Global Symposium on Recycling, Waste Treatment and Clean Technology : [proceedings of the "Rewas'04", held in Madrid, Spain, September 26-29, 2004]. Volume III 2004 / p. 2795-2796 : ill

Reuse of reinforced acrylic plastic waste in new composite material development

Kers, Jaan; Kulu, Priit; Goljandin, Dmitri; Mikli, Valdek Proceedings of the 5th International Conference of DAAAM Baltic : Industrial Engineering - Adding Innovation Capacity of Labour Force and Entrepreneur : 20-22 April 2006, Tallinn, Estonia 2006 / p. 267-271 : ill

Riiklike tehnikaprofessuuride ees seisab rida väljakutseid

Kers, Jaan TööstusEST 2023 / lk. 32-34 : ill https://www.ester.ee/record=b4481084*est

Riiklike tehnikaprofessuuride väljakutsed roheleppe, ringmajanduse ja digiteerimise valguses

Kers, Jaan Mente et Manu 2022 / lk. 26-27 https://www.ester.ee/record=b1242496*est

Romusõidukite plastosade töötlemine ja taaskasutus ning nende käitlemist hõlbustavad infosüsteemid

Kers, Jaan; Aleksandrova, Olga Keskkonnatehnika 2007 / 2, lk. 46-49 : ill https://artiklid.elnet.ee/record=b1020442*est

Romusõidukites sisalduvate plastide taaskasutamine

Aleksandrova, Olga; Kers, Jaan Keskkonnatehnika 2007 / 1, lk. 34-37 : ill https://artiklid.elnet.ee/record=b1020259*est

Segapakendijäätmete töötlemis- ja taaskasutustehnoloogiad

Kers, Jaan; Vilsaar, Kristiina Keskkonnatehnika 2008 / 2, lk. 38-41 : ill https://artiklid.elnet.ee/record=b1021622*est

Selection of parameters in adhesive bonding of composite structures

Kers, Jaan; Saarna, Mart; Peetsalu, Priidu; Aruniit, Aare; Majak, Jüri; Pohlak, Meelis; Herranen, Henrik 20th International Baltic Conference Materials Engineering 2011, October 27-28, Kaunas, Lithuania : book of abstracts 2011 / p. 53

A symbolic-numerical algorithm for material parameter identification

Majak, Jüri; Pohlak, Meelis; Küttner, Rein; Eerme, Martin; Karjust, Kristo; Kers, Jaan Proceedings of the Tenth International Conference on Computational Structures Technology : Valencia, Spain, 14-17 September 2010 / Paper 133

TalTechis arendatakse puidust kestlikke alternatiivseid plastile

digi.geenius.ee 2025 <https://digi.geenius.ee/blogi/teadus-ja-tulevik/taltechi-teadlased-arendavad-kestlikke-lahendusi-puidu-vaarindamiseks/>

Tensile and surface hydrophobicity investigation of the novel synthesized cellulose derivative films

Kallakas, Heikko; Kilumets, Catherine; Tarasova, Elvira; Krasnou, Illia; Savest, Natalja; Gudkova, Viktoria; Ahmadian, Iman; Krumme, Andres; Kers, Jaan Research Square 2022 / 13 p <https://doi.org/10.21203/rs.3.rs-2191830/v1>

Tensile and surface wettability properties of the solvent cast cellulose fatty acid ester films

Kallakas, Heikko; Kattamanchi, Tanuj; Kilumets, Catherine; Tarasova, Elvira; Krasnou, Illia; Savest, Natalja; **Ahmadian, Iman; Kers, Jaan;** Krumme, Andres *Polymers* 2023 / art. 2677 <https://doi.org/10.3390/polym15122677> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of birch (Betula pendula Roth) face veneer thickness on the reaction to fire properties of fire-retardant treated plywood

Alao, Percy Festus; Dembovski, Karl Harold; Rohumaa, Anti; Ruponen, Jussi; **Kers, Jaan** *Construction and building materials* 2024 / art. 136242 <https://doi.org/10.1016/j.conbuildmat.2024.136242>

The effects of production technologies on the air permeability and crack development of cross-laminated timber

Kukk, Villu; Kalamees, Targo; Kers, Jaan *Journal of building physics* 2019 / p. 171-186 : ill <https://doi.org/10.1177/1744259119866869> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effects of production technologies on the air permeability properties of cross laminated timber

Kukk, Villu; Kers, Jaan; Kalamees, Targo 7th International Building Physics Conference IBPC2018: Healthy, Intelligent and Resilient Buildings and Urban Environments: proceedings : Syracuse, NY, USA, September 23-26, 2018 2018 / p. 349–354 : ill <http://ibpc2018.org/wp-content/uploads/2018/11/FINAL-IBPC2108-Proceedings.pdf>

The influence of embedded electronics on the structural performance in carbon fiber laminates

Herranen, Henrik; Kers, Jaan; Preden, Jürjo-Sören; Talalaev, Robert; Eerme, Martin; Majak, Jüri; Pohlak, Meelis; Alikas, Georg; Pabut, Ott; Lend, Henri *Proceedings of the International Conference on Mechanics of Nano, Micro and Macro Composite Structures* : 18 to 20 June 2012 2012 / [2 p.]

The Performance of Bond Lines of Engineered Wood in Cone Heater Testing

Vihmann, Jane Liise; Just, Alar; Sterley, Magdalena; **Mäger, Katrin Nele; Kers, Jaan** *Fire and Materials* 2025 <https://doi.org/10.1002/fam.3295>

Thermal analysis of refuse-derived fuel briquettees manufactured by different technologies

Kulu, Priit; Kers, Jaan; Kask, Ülo; Šooš, Lubomir; Križan, P.; Letko, M. *Proceedings of the full papers of 13th international conference on Mechanical Engineering* 2010 : Bratislava, October 2010 2010 / p. P31-P36

Thermoreactive polymer composite with high particulate filler content = Suure pulbrilise täiteaine sisaldusega termoreaktiivne polümeerkomposiit

Aruniit, Aare 2014 http://www.ester.ee/record=b3092370*est

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>

TTÜ professor: miks oleme nõus olema Skandinaavia puidurafineerimistehastele sahvriks? [Võrguväljaanne]

Kers, Jaan *epl.delfi.ee* 2021 [TTÜ professor: miks oleme nõus olema Skandinaavia puidurafineerimistehastele sahvriks? "](https://epl.delfi.ee/TTU_professor_miks_oleme_nous_olema_Skandinaavia_puidurafineerimistehastele_sahvriks_)

Tööstuslikud meetodid plastijäätmete identifitseerimiseks ja materjalide lahutamiseks

Kers, Jaan; Aleksandrova, Olga *Keskkonnatehnika* 2007 / 4, lk. 36-39 : ill https://artiklid.elnet.ee/record=b1020738*est

The use of an internal airtight membrane in CLT external wall in terms of hygrothermal performance

Kukk, Villu; Kers, Jaan; Kalamees, Targo *Journal of physics : conference series* 2021 / p. 2-4 : ill <https://doi.org/10.1088/1742-6596/2069/1/012208> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Using stochastic optimization for modelling of the new composite from recycled GFP

Kers, Jaan; Goljandin, Dmitri; Majak, Jüri *Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering"* : 24-26th April 2008, Tallinn, Estonia. [2] 2008 / p. 461-466 : ill

Utilization of Estonian cultivated hemp fibre (a byproduct of cannabidiol production), as a reinforcing material for bio-based thermoplastic composite

Alao, Percy Festus; Marrot, Laetitia; Kers, Jaan *GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts* 2021 / O 5 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Uudne tehnoloogia väikese tihedusega vahtplastide tootmiseks (projekt Light foam)

Kers, Jaan *Keskkonnatehnika* 2010 / 1, lk. 29-31 : ill https://artiklid.elnet.ee/record=b1957968*est

Uuenduslik tootmine : käsiraamat

Riives, Jüri; Lumiste, Rünno; Reedik, Vello; Roosimölder, Lembit; Karjust, Kristo; Kers, Jaan; Kiolein, Indrek; Kokla, Margo; Küttner, Rein; Lavin, Jaak; Lavrentjev, Jüri; Lõun, Kaia; Mõtus, Leo; Naams, Invar; Otto, Tauno; Pohlak, Meelis; Raba, Karl; Saks, Alo; Talkop, Adolf; Tähemaa, Toivo; Veinthal, Renno 2011 http://www.ester.ee/record=b2736534*est

Vaja oleks stabiilset rahastust

Kers, Jaan äripäev.ee 2021 / Lk. 10 <https://static-pdf.aripaev.ee/EpzIAkD3nr8Uxy6vjGlh7pXzSdw.pdf>

Vaja oleks stabiilset rahastust

Kers, Jaan metsamajandusuudised.ee 2021 / Lk. 10 <https://static-pdf.aripaev.ee/EpzIAkD3nr8Uxy6vjGlh7pXzSdw.pdf>

Valorizing low-quality wood species into innovative multilayer engineered wood products = Madalakvaliteediliste puiduliikide puidu väärimine 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>

Wavelet based discretization technique for analysis and design of composite structures

Majak, Jüri; Kers, Jaan; Pohlak, Meelis; Eerme, Martin; Luiga, K. The 18th International Conference on Composite Materials. Composite materials : key to the future 2011 / [6] p

Wear resistance influencers of particle reinforced polymer composite

Aruniit, Aare; Kers, Jaan; Krumme, Andres; Antonov, Maksim; Allikas, Georg; Herranen, Henrik; Pabut, Ott Proceedings of 19th International Conference on Composite Materials (ICCM19) 2013

Wood modification in Estonia

Teppand, Tõnis; **Kers, Jaan;** Liivaid, Liisi Wood Modification in Europe : a state-of-the-art about processes, products and applications 2019 / p. 51-53 : tab <https://doi.org/10.36253/978-88-6453-970-6>

Üleilmne jäätmekäitlusele ja keskkonnahoidlikele tehnoloogiatele pühendatud sümpoosion REWAS 2008

Kers, Jaan Keskkonnatehnika 2008 / 8, lk. 23-25 : ill https://artiklid.elnet.ee/record=b1068062*est

Ülevaade keskkonnamessil Pollutec 2008 esitletud jäätmekäitlustehnoloogiatest

Kers, Jaan Keskkonnatehnika 2009 / 1, lk. 44-46 : ill https://artiklid.elnet.ee/record=b1077334*est

Ülikooli puidulabor pani üles väikese vineeritehase

Alvela, Ain; **Kers, Jaan** Maaleht 2018 / Metsaleht, lk. 7 <https://maaleht.delfi.ee/artikkel/84021886/ulikooli-puidulabor-pani-ules-vaikese-vineeritehase>

Как профтехучилище, так и колледж готовы преподавать химию древесины

Sommer-Kalda, Sirle severnojepoberezhje.postimees.ee 2023 [Как профтехучилище, так и колледж готовы преподавать химию древесины](#)