

- Brobbey KJ, Haapanen J, Gunell M, Mäkelä JM, Eerola E, Saarinen JJ et al. **High-speed manufacturing of antimicrobial paper**. In Paper Conference and Trade Show, PaperCon 2018. TAPPI Press. 2018. p. 564-566
- Carver SM, Nelson MC, Yu Z, Tuovinen OH. **Fermentative metabolism of an anaerobic, thermophilic consortium on plant polymers and commercial paper samples**. Biomass & Bioenergy. 2015 Apr 1;75:11-22. <https://doi.org/10.1016/j.biombioe.2015.02.005>
- Jackson T, Shenkin A, Wellpott A, Calders K, Origo N, Disney M et al. **Finite element analysis of trees in the wind based on terrestrial laser scanning data**. Agricultural and Forest Meteorology. 2019 Feb 15;265:137-144. <https://doi.org/10.1016/j.agrformet.2018.11.014>
- Juchheim J, Annighöfer P, Ammer C, Calders K, Raunonen P, Seidel D. **How management intensity and neighborhood composition affect the structure of beech (*Fagus sylvatica* L.) trees**. TREES-STRUCTURE AND FUNCTION. 2017 Jul 14;31(5):1723-1735. <https://doi.org/10.1007/s00468-017-1581-z>
- Kaakkurivaara T, Vuorimies N, Kolisoja P, Uusitalo J. **Applicability of portable tools in assessing the bearing capacity of forest roads**. Silva Fennica. 2015;49(2). 1239. <https://doi.org/10.14214/sf.1239>
- Kaakkurivaara T, Kolisoja P, Uusitalo J, Vuorimies N. **Fly ash in forest road rehabilitation**. Croatian Journal of Forest Engineering. 2016;37(1):119-130.
- Krishna Moorthy SM, Raunonen P, Van den Bulcke J, Calders K, Verbeeck H. **Terrestrial laser scanning for non-destructive estimates of liana stem biomass**. FOREST ECOLOGY AND MANAGEMENT. 2020 Jan 15;456. 117751. <https://doi.org/10.1016/j.foreco.2019.117751>
- Kunz M, Hess C, Raunonen P, Bienert A, Hackenberg J, Maas HG et al. **Comparison of wood volume estimates of young trees from terrestrial laser scan data**. iForest - Biogeosciences and Forestry. 2017 Apr 1;10(2):451-458. <https://doi.org/10.3832/for2151-010>
- Laasasenaho K, Lensu A, Rintala J. **Planning land use for biogas energy crop production: The potential of cutaway peat production lands**. Biomass & Bioenergy. 2016 Feb 1;85:355-362. <https://doi.org/10.1016/j.biombioe.2015.12.030>
- Laasasenaho K, Lensu A, Rintala J, Lauhanen R. **Landowners' willingness to promote bioenergy production on wasteland – future impact on land use of cutaway peatlands**. Land Use Policy. 2017 Dec 1;69:167-175. <https://doi.org/10.1016/j.landusepol.2017.09.010>
- Laitinen S, Laitinen J, Fagernäs L, Korpjärvi K, Korpinen L, Ojanen K et al. **Exposure to biological and chemical agents at biomass power plants**. Biomass & Bioenergy. 2016 Oct 1;93:78-86. <https://doi.org/10.1016/j.biombioe.2016.06.025>
- Lau A, Bentley LP, Martius C, Shenkin A, Bartholomeus H, Raunonen P et al. **Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling**. Trees - Structure and Function. 2018 Oct;32(5):1219-1231. <https://doi.org/10.1007/s00468-018-1704-1>
- Lau A, Calders K, Bartholomeus H, Martius C, Raunonen P, Herold M et al. **Tree biomass equations from terrestrial LiDAR: A case study in Guyana**. Forests. 2019 Jun 1;10(6). 527. <https://doi.org/10.3390/f10060527>
- Lehtomäki A, Viinikainen TA, Rintala JA. **Screening boreal energy crops and crop residues for methane biofuel production**. Biomass & Bioenergy. 2008 Jun;32(6):541-550. <https://doi.org/10.1016/j.biombioe.2007.11.013>
- Marzulli MI, Raunonen P, Greco R, Persia M, Tartarino P. **Estimating tree stem diameters and volume from smartphone photogrammetric point clouds**. FORESTRY. 2020;93(3):411-429. <https://doi.org/10.1093/forestry/cpz067>

- Melander L, Ritala R, Strandström M. **Classifying soil stoniness based on the excavator boom vibration data in mounding operations**. *Silva Fennica*. 2019;53(2). 10068. <https://doi.org/10.14214/sf.10068>
- Melander L, Einola K, Ritala R. **Fusion of open forest data and machine fieldbus data for performance analysis of forest machines**. *EUROPEAN JOURNAL OF FOREST RESEARCH*. 2019. <https://doi.org/10.1007/s10342-019-01237-8>
- Melander L, Ritala R. **Separating the impact of work environment and machine operation on harvester performance**. *EUROPEAN JOURNAL OF FOREST RESEARCH*. 2020. <https://doi.org/10.1007/s10342-020-01304-5>
- Miettinen P, Ahokas M, Engström T, Heinonen J, Auvinen S. **The role of base substrate on barrier and convertability properties of Water based barrier coated (WBBC) paper and paperboard**. In Paper Conference and Trade Show, PaperCon 2017: Renew, Rethink, Redefine the Future, Minneapolis, Minnesota, USA, 23-26 April 2017. Vol. 1. TAPPI Press. 2017. p. 220-232
- Pääkkönen A, Tolvanen H, Kokko L. **The economics of renewable CaC<sub>2</sub> and C<sub>2</sub>H<sub>2</sub> production from biomass and CaO**. *Biomass and Bioenergy*. 2019 Jan 1;120:40-48. <https://doi.org/10.1016/j.biombioe.2018.10.020>
- Pakarinen OM, Tähti HP, Rintala JA. **One-stage H<sub>2</sub> and CH<sub>4</sub> and two-stage H<sub>2</sub> + CH<sub>4</sub> production from grass silage and from solid and liquid fractions of NaOH pre-treated grass silage**. *Biomass & Bioenergy*. 2009 Oct;33(10):1419-1427. <https://doi.org/10.1016/j.biombioe.2009.06.006>
- Potapov I, Järvenpää M, Åkerblom M, Raunonen P, Kaasalainen M. **Data-based stochastic modeling of tree growth and structure formation**. *Silva Fennica*. 2016;50(1). 1413. <https://doi.org/10.14214/sf.1413>
- Praveenkumar R, Shameera K, Mahalakshmi G, Akbarsha MA, Thajuddin N. **Influence of nutrient deprivations on lipid accumulation in a dominant indigenous microalga *Chlorella* sp., BUM11008: Evaluation for biodiesel production**. *Biomass & Bioenergy*. 2012 Feb;37:60-66. <https://doi.org/10.1016/j.biombioe.2011.12.035>
- Rasa K, Heikkinen J, Hannula M, Arstila K, Kulju S, Hyväluoma J. **How and why does willow biochar increase a clay soil water retention capacity?** *Biomass and Bioenergy*. 2018 Dec 1;119:346-353. <https://doi.org/10.1016/j.biombioe.2018.10.004>
- Raunio J-P, Löyttyniemi T, Ritala R. **Online quality evaluation of tissue paper structure on new generation tissue machines**. *Nordic Pulp and Paper Research Journal*. 2018 Mar 26;33(1):133-141. <https://doi.org/10.1515/npprj-2018-3004>
- Raunio J-P, Makela I, Mäntylä M, Ritala R. **Evaluating the contrast of planar periodic patterns on paper**. In Paper Conference and Trade Show, PaperCon 2018. TAPPI Press. 2018. p. 294-302
- Seppälä M, Pyykkönen V, Laine A, Rintala J. **Methane production from maize in Finland - Screening for different maize varieties and plant parts**. *Biomass & Bioenergy*. 2012 Nov;46(November):282-290. <https://doi.org/10.1016/j.biombioe.2012.08.016>
- Stepien M, Saarinen JJ, Teisala H, Tuominen M, Aromaa M, Kuusipalo J et al. **Controlled wettability of paperboard by nanoparticles using liquid flame spray process**. In International Conference on Nanotechnology for the Forest Products Industry 2010. 2010. p. 1390-1392
- Sulonen K, Riekkinen K, Kotilainen S. **Customer-oriented approach in cadastral procedures – Case study from Finland**. *Land Use Policy*. 2020;90. 104209. <https://doi.org/10.1016/j.landusepol.2019.104209>
- Vakkilainen E, Konttinen J, Orasuo V, Aalto P. **Sustainability of bioenergy in finland and globally – fact check**. In 27th European Biomass Conference and Exhibition, EUBCE 2019. ETA-Florence Renewable Energies. 2019. p. 1634-1635. (European Biomass Conference and Exhibition Proceedings).

