

- Lau A, Calders K, Bartholomeus H, Martius C, Raunonen P, Herold M, Vicari M, Sukhdeo H, Singh J, Goodman RC. 2019. Tree biomass equations from terrestrial LiDAR: A case study in Guyana. *Forests*. 10(6). <https://doi.org/10.3390/f10060527>
- Miettinen P, Ahokas M, Engström T, Heinonen J, Auvinen S. 2017. 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. TAPPI Press. pp. 220-232.
- Pääkkönen A, Tolvanen H, Kokko L. 2019. The economics of renewable CaC_2 and C_2H_2 production from biomass and CaO. *Biomass and Bioenergy*. 120:40-48. <https://doi.org/10.1016/j.biombioe.2018.10.020>
- Krishna Moorthy SM, Raunonen P, Van den Bulcke J, Calders K, Verbeeck H. 2020. Terrestrial laser scanning for non-destructive estimates of liana stem biomass. *FOREST ECOLOGY AND MANAGEMENT*. 456. <https://doi.org/10.1016/j.foreco.2019.117751>
- Vakkilainen E, Konttinen J, Orasuo V, Aalto P. 2019. Sustainability of bioenergy in finland and globally – fact check. In 27th European Biomass Conference and Exhibition, EUBCE 2019. ETA-Florence Renewable Energies. pp. 1634-1635. (European Biomass Conference and Exhibition Proceedings).
- Melander L, Ritala R. 2020. Separating the impact of work environment and machine operation on harvester performance . *EUROPEAN JOURNAL OF FOREST RESEARCH*. <https://doi.org/10.1007/s10342-020-01304-5>
- Lehtomäki A, Viinikainen TA, Rintala JA. 2008. Screening boreal energy crops and crop residues for methane biofuel production. *Biomass & Bioenergy*. 32(6):541-550. <https://doi.org/10.1016/j.biombioe.2007.11.013>
- Lau A, Bentley LP, Martius C, Shenkin A, Bartholomeus H, Raunonen P, Malhi Y, Jackson T, Herold M. 2018. Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling. *Trees - Structure and Function*. 32(5):1219-1231. <https://doi.org/10.1007/s00468-018-1704-1>
- Laasasenaho K, Lensu A, Rintala J. 2016. Planning land use for biogas energy crop production: The potential of cutaway peat production lands. *Biomass & Bioenergy*. 85:355-362. <https://doi.org/10.1016/j.biombioe.2015.12.030>
- Raunio J-P, Löyttyniemi T, Ritala R. 2018. Online quality evaluation of tissue paper structure on new generation tissue machines. *Nordic Pulp and Paper Research Journal*. 33(1):133-141. <https://doi.org/10.1515/npprj-2018-3004>
- Pakarinen OM, Tähti HP, Rintala JA. 2009. One-stage H_2 and CH_4 and two-stage $\text{H}_2 + \text{CH}_4$ production from grass silage and from solid and liquid fractions of NaOH pre-treated grass silage. *Biomass & Bioenergy*. 33(10):1419-1427. <https://doi.org/10.1016/j.biombioe.2009.06.006>
- Seppälä M, Pyykkönen V, Laine A, Rintala J. 2012. Methane production from maize in Finland - Screening for different maize varieties and plant parts. *Biomass & Bioenergy*. 46(November):282-290. <https://doi.org/10.1016/j.biombioe.2012.08.016>
- Laasasenaho K, Lensu A, Rintala J, Lauhanen R. 2017. Landowners' willingness to promote bioenergy production on wasteland – future impact on land use of cutaway peatlands. *Land Use Policy*. 69:167-175. <https://doi.org/10.1016/j.landusepol.2017.09.010>
- Praveenkumar R, Shameera K, Mahalakshmi G, Akbarsha MA, Thajuddin N. 2012. Influence of nutrient deprivations on lipid accumulation in a dominant indigenous microalga *Chlorella* sp., BUM11008: Evaluation for biodiesel production. *Biomass & Bioenergy*. 37:60-66. <https://doi.org/10.1016/j.biombioe.2011.12.035>

Juchheim J, Annighöfer P, Ammer C, Calders K, Raunonen P, Seidel D. 2017. How management intensity and neighborhood composition affect the structure of beech (*Fagus sylvatica* L.) trees. *TREES-STRUCTURE AND FUNCTION* . 31(5):1723–1735. <https://doi.org/10.1007/s00468-017-1581-z>

Rasa K, Heikkinen J, Hannula M, Arstila K, Kulju S, Hyväluoma J. 2018. How and why does willow biochar increase a clay soil water retention capacity?. *Biomass and Bioenergy*. 119:346-353. <https://doi.org/10.1016/j.biombioe.2018.10.004>

Brobbey KJ, Haapanen J, Gunell M, Mäkelä JM, Eerola E, Saarinen JJ, Toivakka M. 2018. High-speed manufacturing of antimicrobial paper. In *Paper Conference and Trade Show, PaperCon 2018*. TAPPI Press. pp. 564-566.

Melander L, Einola K, Ritala R. 2019. Fusion of open forest data and machine fieldbus data for performance analysis of forest machines. *EUROPEAN JOURNAL OF FOREST RESEARCH*. <https://doi.org/10.1007/s10342-019-01237-8>

Kaakkurivaara T, Kolisoja P, Uusitalo J, Vuorimies N. 2016. Fly ash in forest road rehabilitation. *Croatian Journal of Forest Engineering*. 37(1):119-130.

Jackson T, Shenkin A, Wellpott A, Calders K, Origo N, Disney M, Burt A, Raunonen P, Gardiner B, Herold M, Fourcaud T, Malhi Y. 2019. Finite element analysis of trees in the wind based on terrestrial laser scanning data. *Agricultural and Forest Meteorology*. 265:137-144. <https://doi.org/10.1016/j.agrformet.2018.11.014>

Carver SM, Nelson MC, Yu Z, Tuovinen OH. 2015. Fermentative metabolism of an anaerobic, thermophilic consortium on plant polymers and commercial paper samples. *Biomass & Bioenergy*. 75:11-22. <https://doi.org/10.1016/j.biombioe.2015.02.005>

Laitinen S, Laitinen J, Fagernäs L, Korpijärvi K, Korpinen L, Ojanen K, Aatamila M, Jumpponen M, Koponen H, Jokiniemi J. 2016. Exposure to biological and chemical agents at biomass power plants. *Biomass & Bioenergy*. 93:78-86. <https://doi.org/10.1016/j.biombioe.2016.06.025>

Raunio J-P, Makela I, Mäntylä M, Ritala R. 2018. Evaluating the contrast of planar periodic patterns on paper. In *Paper Conference and Trade Show, PaperCon 2018*. TAPPI Press. pp. 294-302.

Marzulli MI, Raunonen P, Greco R, Persia M, Tartarino P. 2020. Estimating tree stem diameters and volume from smartphone photogrammetric point clouds. *FORESTRY*. 93(3):411-429. <https://doi.org/10.1093/forestry/cpz067>

Potapov I, Järvenpää M, Åkerblom M, Raunonen P, Kaasalainen M. 2016. Data-based stochastic modeling of tree growth and structure formation. *Silva Fennica*. 50(1). <https://doi.org/10.14214/sf.1413>

Sulonen K, Riekkinen K, Kotilainen S. 2020. Customer-oriented approach in cadastral procedures – Case study from Finland. *Land Use Policy*. 90. <https://doi.org/10.1016/j.landusepol.2019.104209>

Stepien M, Saarinen JJ, Teisala H, Tuominen M, Aromaa M, Kuusipalo J, Mäkelä J, Toivakka M. 2010. Controlled wettability of paperboard by nanoparticles using liquid flame spray process. In *International Conference on Nanotechnology for the Forest Products Industry 2010*. pp. 1390-1392.

Kunz M, Hess C, Raunonen P, Bienert A, Hackenberg J, Maas HG, Härdtle W, Fichtner A, Von Oheimb G. 2017. Comparison of wood volume estimates of young trees from terrestrial laser scan data. *iForest - Biogeosciences and Forestry*. 10(2):451-458. <https://doi.org/10.3832/ifor2151-010>

Melander L, Ritala R, Strandström M. 2019. Classifying soil stoniness based on the excavator boom vibration data in mounding operations. *Silva Fennica*. 53(2). <https://doi.org/10.14214/sf.10068>

Kaakkurivaara T, Vuorimies N, Kolisoja P, Uusitalo J. 2015. Applicability of portable tools in assessing the bearing capacity of forest roads. *Silva Fennica*. 49(2). <https://doi.org/10.14214/sf.1239>

