

Journal Papers

Refereed Scientific Journal Papers

2014

Barry LE, Yao RT, Harrison DR, Paragahawewa UH, Pannell DJ. 2014. Enhancing ecosystem services through afforestation: How policy can help. [Land Use Policy 39: 135-145](#).

Carson SD, Cown DJ, McKinley RB, Moore JR. 2014. Effects of site, silviculture and seedlot on wood density and estimated wood stiffness in radiata pine at mid-rotation. [New Zealand Journal of Forestry Science 44\(1\)](#).

Heaphy, M J, Lowe, D J, Palmer, D J, Jones, H S, Gielen, G J H, Oliver, G R, Pearce, S H. (2014). Assessing drivers of plantation forest productivity on eroded and non-eroded soils in hilly and steep land in eastern North Island, [New Zealand. New Zealand Journal of Forestry Science](#).

Hock, B K, Payn, T W, Heaphy, M J. (published online 23 May 2014). Issues in the re-use of non-forestry specific spatial data sources for national environmental reporting on planted forests in New Zealand. [Journal of Spatial Science 59\(2\), 237-252](#).

Moore JR., Cown DJ, McKinley RB. 2014. Modelling microfibril angle variation in New Zealand-grown radiata pine. [New Zealand Journal of Forestry Science 44\(1\), 25](#).

Murphy G. 2014. Priority list bucking on a mechanized harvester considering external properties and stiffness of Douglas-fir. [International Journal of Forest Engineering \(http://dx.doi.org/10.1080/14942119.2014.973177\)](http://dx.doi.org/10.1080/14942119.2014.973177).

Small SJ, Clinton PW, Allen RB, Leckie AC, Davis MR. 2014. Coarse soil can enhance the availability of nutrients from fine soil, [Journal of Plant Nutrition and Soil Science 177, 848–850](#).

Wan X, Huang Z, He Z, Yu Z, Wang M, Davis MR, Yang Y. (2014 online). Soil C:N ratio is the major determinant of soil microbial community composition in subtropical coniferous and broadleaf forest plantations. [Plant Soil. DOI 10.1007/s11104-014-2277-4](#).

Watt MS, Meredith A, Watt P, Gunn A. 2014. The influence of LiDAR pulse density on the precision of inventory metrics in young unthinned Douglas-fir stands during initial and subsequent LiDAR acquisitions. [New Zealand Journal of Forest Science 44: 18](#).

Watt MS, Trincado G. 2014. Modelling between tree and longitudinal variation in green density within *Pinus radiata*: implications for estimation of MOE by acoustic methods. [New Zealand Journal of Forestry Science 44\(1\), 1-10](#).

Yao RT, Scarpa R, Rose JM, Turner J. 2014. Experimental design criteria and their behavioural efficiency: An evaluation in the field. [Environmental and Resource Economics](#). Published online 2014.

Yao RT, Scarpa R, Turner JA, Barnard TD, Rose JM, Palma JHN, Harrison DR. 2014. Valuing biodiversity enhancement in New Zealand's planted forests: Socioeconomic and spatial determinants of willingness-to-pay. [Ecological Economics 98: 90-101](#).