

# 2012 Refereed Science Publications

Peer reviewed journal articles and conference proceedings papers from Scion.

Adams, T., Beets, P., & Parrish, C. (2012). Extracting More Data from LiDAR in Forested Areas by Analyzing Waveform Shape. *Remote Sensing*, 4(3), 682-702. <http://www.mdpi.com/2072-4292/4/3/682>

Adams, T., & Pont, D. (2012). Projecting plots in LiDAR - Correcting for slope in remotely sensed data. *New Zealand Journal of Forestry*, 57(1), 25-31. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84891433525&partnerID=40&md5=debf08900168736ffdb2c15b4baf58d4>

Adams, T., & Turner, J. A. (2012). An investigation into the effects of an emissions trading scheme on forest management and land use in New Zealand. *Forest Policy and Economics*, 15, 78-90. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84856533176&partnerID=40&md5=76634d30c3ab770c76b5ca3c694fc68d>

Amid, A., Lytovchenko, A., Fernie, A. R., Warren, G., & Thorlby, G. J. (2012). The sensitive to freezing3 mutation of *Arabidopsis thaliana* is a cold-sensitive allele of homomeric acetyl-CoA carboxylase that results in cold-induced cuticle deficiencies. *Journal of Experimental Botany*, 63(14), 5289-5299. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84865742033&partnerID=40&md5=4eced749959075b4890f0be0178cce48>

Auty, D., Weiskittel, A. R., Achim, A., Moore, J. R., & Gardiner, B. A. (2012). Influence of early re-spacing on Sitka spruce branch structure. *Annals of Forest Science*, 69(1), 93-104. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84863419725&partnerID=40&md5=7b3913db213462aa1e94a618d6486907>

Barbaro, L., Brockerhoff, E. G., Giffard, B., & van Halder, I. (2012). Edge and area effects on avian assemblages and insectivory in fragmented native forests. *Landscape Ecology*, 27(10), 1451-1463. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84868539088&partnerID=40&md5=06d013ee93782f1b74b3f77ea2275ac6>

Baroutian, S., Shahbaz, K., Mjalli, F. S., Alnashef, I. M., & Hashim, M. A. (2012). Adsorptive removal of residual catalyst from palm biodiesel: Application of response surface methodology. *Hemijaska Industrija* 66(3), 373-380. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84865654776&partnerID=40&md5=9a0a2b6bfefb41ea23d7835b10e747ad6>

Baroutian, S., Shahbaz, K., Mjalli, F. S., Hashim, M. A., & Alnashef, I. M. (2012). Densities and viscosities of binary blends of methyl esters + ethyl esters and ternary blends of methyl esters + ethyl esters + diesel fuel from T = (293.15 to 358.15) K. *Journal of Chemical and Engineering Data*, 57(5), 1387-1395. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84861042564&partnerID=40&md5=8aabee040e92264c0a4e77a8d9187125>

Bayne, K. M., & Parker, R. J. (2012). The introduction of robotics for New Zealand forestry operations: Forest sector employee perceptions and implications. *Technology in Society*, 34(2), 138-148. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84860887797&partnerID=40&md5=58f79c54f1e49b44fa543b42a1b38423>

Beets, P. N., Brandon, A. M., Goulding, C. J., Kimberley, M. O., Paul, T. S. H., & Searles, N. (2012). The national inventory of carbon stock in New Zealand's pre-1990 planted forest using a LiDAR incomplete-transect approach. *Forest Ecology and Management*, 280, 187-197. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84863827112&partnerID=40&md5=bff7c15566e6d54646675494388157e1>

Bergin, D. O., & Kimberley, M. O. (2012). Reliability of increment core growth ring counts as estimates of stand age in totara (*Podocarpus totara* D. Don). *New Zealand Journal of Forestry Science*, 42, 131-141. [http://www.scionresearch.com/\\_data/assets/pdf\\_file/0005/39866/NZJFS422012131\\_141\\_BERGIN.pdf](http://www.scionresearch.com/_data/assets/pdf_file/0005/39866/NZJFS422012131_141_BERGIN.pdf)

Berndt, L. A., Sharpe, A. M., Gresham, B. A., Hayes, D., & Allen, G. R. (2012). Laboratory rearing of *Cotesia urabae* Austin and Allen (Hymenoptera: Braconidae), a biological control agent of *Uraba lugens* Walker (Lepidoptera: Nolidae). *New Zealand Entomologist*, 36(1), 1-7. <http://dx.doi.org/10.1080/00779962.2012.724929>

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