

2020 Refereed Science Publications

Journal articles and conference proceedings papers from Scion - January to December 2020.

Abdel-Shafy, H., Awad, M. A. A., El-Regalaty, H., Ismael, A., El-Assal, S. E. D., & Abou-Bakr, S. (2020). A single-step genomic evaluation for milk production in Egyptian buffalo. *Livestock Science*, 234. doi:10.1016/j.livsci.2020.103977

Al-Darkazly, I. A. A., & Rezaul Hasan, S. M. (2020). Extra-Low-Frequency Pulse Stimulated Conformational Change in Blood-Cell Proteins and Consequent Immune Activity Transformation. *IEEE Journal of Translational Engineering in Health and Medicine*, 8, 1-13. doi:10.1109/JTEHM.2020.2963894

Ali, S. M. A., & Rezaul Hasan, S. M. (2020). A 38-GHz Millimeter-Wave Double-Stacked HBT Class-F-1 High-Gain Power Amplifier in 130-nm SiGe-BiCMOS. *IEEE Transactions on Microwave Theory and Techniques*, 68(7), 3039-3044. doi:10.1109/TMTT.2020.2988874

Ammitzball, H., Vaillancourt, R. E., Potts, B. M., Harrison, P. A., Brodribb, T., Susmilch, F. C., & Freeman, J. S. (2020). Independent genetic control of drought resistance, recovery, and growth of *Eucalyptus globulus* seedlings. *Plant Cell and Environment*, 43(1), 103-115. doi:10.1111/pce.13649

Baillie, B. R., Evanson, A. W., Kimberley, M. O., & Bergin, D. O. (2020). Combined effects of an anthropogenic (forest harvesting) and natural (extreme rainfall event) disturbance on headwater streams in New Zealand. *Freshwater Biology*, 65(10), 1806-1823. doi:10.1111/fwb.13584

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Beets, P. N., & Beets, J. M. (2020). Soil water storage changes in a small headwater catchment in the central North Island of New Zealand following afforestation with *Pinus radiata*. *Forest Ecology and Management*, 462. doi:10.1016/j.foreco.2020.117967

Bombrun, M., Dash, J. P., Pont, D., Watt, M. S., Pearse, G. D., & Dungey, H. S. (2020). Forest-Scale Phenotyping: Productivity Characterisation Through Machine Learning. *Frontiers in Plant Science*, 11. doi:10.3389/fpls.2020.00099

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