

Margolis, Hank A.

Chen, B., Coops, N. C., Fu, D., **Margolis, H. A.**, Amiro, B. D., Barr, A. G., et al. (2010). Assessing eddy-covariance flux tower location bias across the fluxnet-canada research network based on remote sensing and footprint modelling. *Agricultural and Forest Meteorology*,

Gea-Izquierdo, G., Mäkelä, A.*, **Margolis, H.**, Bergeron, Y., Black, T. A., Dunn, A.*, et al. (2010). Modeling acclimation of photosynthesis to temperature in evergreen conifer forests. *New Phytologist*, 188(1), 175-186.

Beer, C.*, Reichstein, M.*, Tomelleri, E.*, Ciais, P.*, Jung, M.*, Carvalhais, N.*, et al. (2010). Terrestrial gross carbon dioxide uptake: Global distribution and covariation with climate. *Science*, 329(5993), 834-838.

Stowe, D. C., Lamhamedi, M. S., Carles, S., Fecteau, B., **Margolis, H. A.**, Renaud, M., et al. (2010). Managing irrigation to reduce nutrient leaching in containerized white spruce seedling production. *New Forests*, 40(2), 185-204.

Grant, R. F., Barr, A. G., Black, T. A., **Margolis, H. A.**, Dunn, A. L.*, Metsaranta, J., et al. (2009). Interannual variation in net ecosystem productivity of canadian forests as affected by regional weather patterns - A fluxnet-canada synthesis. *Agricultural and Forest Meteorology*, 149(11), 2022-2039.

Carles, S., Lamhamedi, M. S., Beaulieu, J., Stowe, D. C., Colas, F., & **Margolis, H. A.** (2009). Genetic variation in seed size and germination patterns and their effect on white spruce seedling characteristics. *Silvae Genetica*, 58(4), 152-161.

Montesano, P. M.*, Nelson, R.*, Sun, G.*, **Margolis, H.**, Kerber, A.*, & Ranson, K. J.* (2009). MODIS tree cover validation for the circumpolar taiga-tundra transition zone. *Remote Sensing of Environment*, 113(10), 2130-2141.

Zhang, Q., Middleton, E. M.*, **Margolis, H. A.**, Drolet, G. G., Barr, A. A., & Black, T. A. (2009). Can a satellite-derived estimate of the fraction of PAR absorbed by chlorophyll (FAPARchl) improve predictions of light-use efficiency and ecosystem photosynthesis for a boreal aspen forest? *Remote Sensing of Environment*, 113(4), 880-888.

Govind, A., Chen, J. M., **Margolis, H.**, Ju, W., Sonnentag, O., & Giasson, M. -. (2009). A spatially explicit hydro-ecological modeling framework (BEPS-TerrainLab V2.0): Model description and test in a boreal ecosystem in eastern north america. *Journal of Hydrology*, 367(3-4), 200-216.

Nelson, R.*, Boudreau, J., Gregoire, T. G.*, **Margolis, H.**, Næsset, E.*, Gobakken, T.*, et al. (2009). Estimating quebec provincial forest resources using ICESat/GLAS. *Canadian Journal of Forest Research*, 39(4), 862-881.

Boudreau, J., Nelson, R. F.*, **Margolis, H. A.**, Beaudoin, A., Guindon, L., & Kimes, D. S.* (2008). Regional aboveground forest biomass using airborne and spaceborne LiDAR in québec. *Remote Sensing of Environment*, 112(10), 3876-3890.

Yuan, F., Arain, M. A., Barr, A. G., Black, T. A., Bourque, C. P. -, Coursolle, C., et al. (2008). Modeling analysis of primary controls on net ecosystem productivity of seven boreal and temperate coniferous forests across a continental transect. *Global Change Biology*, 14(8), 1765-1784.

- Hall, F. G.* , Hilker, T., Coops, N. C., Lyapustin, A.* , Huemmrich, K. F.* , Middleton, E.* , et al. (2008). Multi-angle remote sensing of forest light use efficiency by observing PRI variation with canopy shadow fraction. *Remote Sensing of Environment*, 112(7), 3201-3211.
- Drolet, G. G., Middleton, E. M.* , Huemmrich, K. F.* , Hall, F. G.* , Amiro, B. D., Barr, A. G., et al. (2008). Regional mapping of gross light-use efficiency using MODIS spectral indices. *Remote Sensing of Environment*, 112(6), 3064-3078.
- Bergeron, O., **Margolis, H. A.**, Coursolle, C., & Giasson, M. - (2008). How does forest harvest influence carbon dioxide fluxes of black spruce ecosystems in eastern north america? *Agricultural and Forest Meteorology*, 148(4), 537-548.
- Carles, S., Lamhamedi, M. S., Stowe, D. C., **Margolis, H. A.**, Bernier, P. Y., Veilleux, L., et al. (2008). Frost tolerance of two-year-old picea glauca seedlings grown under different irrigation regimes in a forest nursery. *Scandinavian Journal of Forest Research*, 23(2), 137-147.
- Piao, S.* , Ciais, P.* , Friedlingstein, P.* , Peylin, P.* , Reichstein, M.* , Luyssaert, S.* , et al. (2008). Net carbon dioxide losses of northern ecosystems in response to autumn warming. *Nature*, 451(7174), 49-52.
- Rochon, C., **Margolis, H. A.**, & Weber, J. C.* (2007). Genetic variation in growth of guazuma crinita (mart.) trees at an early age in the peruvian amazon. *Forest Ecology and Management*, 243(2-3), 291-298.
- Chen, B., Chen, J. M., Mo, G., Yuen, C. -, **Margolis, H.**, Higuchi, K., et al. (2007). Modelling and scaling coupled energy, water, and carbon fluxes based on remote sensing: An application to canada's landmass. *Journal of Hydrometeorology*, 8(2), 123-143.
- Boucher, J. -, Bernier, P. Y., **Margolis, H. A.**, & Munson, A. D. (2007). Growth and physiological response of eastern white pine seedlings to partial cutting and site preparation. *Forest Ecology and Management*, 240(1-3), 151-164.
- Bergeron, O., **Margolis, H. A.**, Black, T. A., Coursolle, C., Dunn, A. L.* , Barr, A. G., et al. (2007). Comparison of carbon dioxide fluxes over three boreal black spruce forests in canada. *Global Change Biology*, 13(1), 89-107.
- Giasson, M. -, Coursolle, C., & **Margolis, H. A.** (2006). Ecosystem-level CO2 fluxes from a boreal cutover in eastern canada before and after scarification. *Agricultural and Forest Meteorology*, 140(1-4), 23-40.
- Margolis, H. A.**, Flanagan, L. B., & Amiro, B. D. (2006). The fluxnet-canada research network: Influence of climate and disturbance on carbon cycling in forests and peatlands. *Agricultural and Forest Meteorology*, 140(1-4), 1-5.
- Schwalm, C. R., Black, T. A., Amiro, B. D., Arain, M. A., Barr, A. G., Bourque, C. P. -, et al. (2006). Photosynthetic light use efficiency of three biomes across an east-west continental-scale transect in canada. *Agricultural and Forest Meteorology*, 140(1-4), 269-286.
- Coursolle, C., **Margolis, H. A.**, Barr, A. G., Black, T. A., Amiro, B. D., McCaughey, J. H., et al. (2006). Late-summer carbon fluxes from canadian forests and peatlands along an east-west continental transect. *Canadian Journal of Forest Research*, 36(3), 783-800.

Lamhamedi, M. S., Labbe, L., **Margolis, H. A.**, Stowe, D. C., Blais, L., & Renaud, M. (2006). Spatial variability of substrate water content and growth of white spruce seedlings. *Soil Science Society of America Journal*, 70(1), 108-120.