*Journals*

In review

1. TarvainenL, WallinG, LinderS, NäsholmT, OrenR, Ottosson LöfveniusM, RäntforsM, Tor-NgernP, MarshallJD (in review) Limited vertical CO2 transport in stems of mature boreal *Pinus sylvestris* trees.*Plant Cell & Environment*

In press

1. VernayA, TianX, ChiJ, LinderS, MäkeläA, OrenR, Peichl M, StanglZR, Tor-NgernP, Marshall JD. (2020) Estimating canopy gross primary production from sapflux, phloem stable isotopes, and mesophyll conductance. *Plant, Cell & Environment* **XX**:xxx-xxx
2. Montaldo N, Curreli M, Corona R, Oren R (in press) Fixed and Variable Components of Evapotranspiration in a Mediterranean Wild-Olive - Grass Landscape Mosaic. *Agricultural and Forest Meteorology* **XX**:xxx-xxx

In print

1. KoziiN, Haahti K, Tor-ngernP, ChiJ, HasselquistEM, LaudonH, LauniainenS, OrenR, PeichlM, WallermanJ, HasselquistNJ (2020) Partitioning the forest water balance within a boreal catchment using sapflux, eddy covariance and process-based model. *Hydrology and Earth System Science* *Hydrol. Earth Syst. Sci.,* **24***,* 2999–3014*,* doi.org/10.5194/hess-24-2999-2020
2. **WardEJ,** OrenR, **KimHS, KimD, Tor-ngernP, EwersBE, McCarthyHR, OishiAC, PatakiDE,** PalmrothP, **PhillipsNG, Schäfer KVR** (2018) Evapotranspiration and water yield of a pine-broadleaf forest are not altered by long-term atmospheric [CO2] enrichment under native or enhanced soil fertility.*Global Change Biology***24:** 4841-4856. DOI: 10.1111/gcb.14363
3. Tarvainen L, Wallin G, Lim H, Linder S, Oren R, Ottosson-LöfveniusM, Räntfors M, Tor-ngern P, Marshall J (2018) Photosynthetic refixation varies along the stem and reduces CO2 efflux in mature boreal *Pinus sylvestris* trees. *Tree Physiology* **38:**558-569
4. **Tor-ngern P**, Oren R, Palmroth S, Novick K, Oishi A, Linder S, Ottosson-Löfvenius M, Näsholm T (2018) Water balance of pine forests: synthesis of new and published results. *Agriculture and Forest Meteorology* **259**:107-117
5. **Tor-ngernP**, OrenR, **OishiAC**, **UebelherrJM**, PalmrothS, TarvainenL, Ottosson-LöfveniusM, LinderS, DomecJ-C, NäsholmT (2017) Ecophysiological variation of transpiration of pine forests: synthesis of new and published results. *Ecological Applications* **27**: 118-133. doi:10.1002/eap.1423
6. **Oishi AC**, Hawthorne D, Oren R (2016) Baseliner: An open-source, interactive tool for processing sap flux data from thermal dissipation probes. *Software-X* [10.1016/j.softx.2016.07.003](http://dx.doi.org/10.1016/j.softx.2016.07.003)
7. Bell DM, **Ward EJ**, **Oishi C**, Oren R, Filkkema P, Clark JS (2015) A state-space modeling approach to estimating canopy conductance and associated uncertainties from sap flux density data. *Tree Physiology* **35**: 792-802
8. Wei X, Oren R, Wang Y, Yu P, Xu L, Liu H, Cao G, Wang Y, Zuo H (2015) Heterogeneity of competition at decameter scale: patches of high canopy leaf area in a shade intolerant larch stand transpire less yet are more sensitive to drought. *Tree Physiology* **35**:470-484
9. **Tor-ngern P**, Oren R, **Ward EJ**, Palmroth S, **McCarthy HR**, Domec JC (2015) Increases in atmospheric CO2 have little influence on transpiration of a temperate forest canopy. *New Phytology* **205**:518-525 [doi/10.1111/nph.13148](http://onlinelibrary.wiley.com/doi/10.1111/nph.13148/abstract)
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11. **Ward EJ**, Bell DM, Clark JS, Oren R (2013) Hydraulic time constants for transpiration of loblolly pine at a free-air carbon dioxide enrichment site. *Tree Physiology* **33**:123-134. doi: 10.1093/treephys/tps114
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19. **Ward EJ**, Oren R, Sigurdsson BD, Jarvis PG, Linder S (2008) Fertilization effects on mean stomatal conductance are mediated through changes in the hydraulic attributes of mature Norway spruce trees. *Tree Physiology* **28**: 579-596.
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