

**List of publications in peer-reviewed journals** (last edit: 04.04.2017)

- (1) Galvagno M., Wohlfahrt G., Cremonese E., Filippa G., Migliavacca M., Mora di Cella U., van Gorsel E. (2017) Contribution of advection to nighttime ecosystem respiration at a mountain grassland in complex terrain. *Agricultural and Forest Meteorology* **237-238**, 270-281, doi: 10.1016/j.agrformet.2017.02.018.
- (2) Kitz F., Gerdel K., Hammerle A., Laterza T., Spielmann F. M., Wohlfahrt G. (2017) *In situ* soil CO<sub>2</sub> exchange of a temperate mountain grassland under simulated drought. *Oecologia* **183**, 851-860, doi: 10.1007/s00442-016-3805-0.
- (3) Wohlfahrt G., Galvagno M. (2017) Revisiting the choice of the driving temperature for eddy covariance CO<sub>2</sub> flux partitioning. *Agricultural and Forest Meteorology* **237-238**, 135-142, doi: 10.1016/j.agrformet.2017.02.012.
- (4) Desai A. R., Wohlfahrt G., Zeeman M. J., Katata G., Eugster W., Montagnani L., Gianelle D., Mauder M., Schmid H. P. (2016) Montane ecosystem productivity responds more to global circulation patterns than climatic trends. *Environmental Research Letters* **11**, 024013, doi: 10.1088/1748-9326/11/2/024013.
- (5) Jud W., Fischer L., Canaval E., Wohlfahrt G., Tissier A., Hansel A. (2016) Plant surface reactions: an opportunistic ozone defence mechanism impacting atmospheric chemistry. *Atmospheric Chemistry and Physics* **16**, 277-292, doi: 10.5194/acp-16-277-2016.
- (6) Musavi T., Migliavacca M., van de Weg M. J., Kattge J., Wohlfahrt G., van Bodegom P. M., Reichstein M., Bahn M., Carrara A., Domingues T. F., Gavazzi M., Gianelle D., Gimeno C., Granier A., Gruening C., Havránková K., Herbst M., Hrynkiw C., Kalhori A., Kaminski T., Klumpp K., Kolari P., Longdoz B., Minerbi S., Montagnani L., Moors E., Oechel W. C., Reich P. B., Rohatyn S., Rossi A., Rotenberg E., Varlagin A., Wilkinson M., Wirth C., Mahecha M. D. (2016) Potential and limitations of inferring ecosystem photosynthetic capacity from leaf functional traits. *Ecology and Evolution* **6**, 7352-7366, doi: 10.1002/ece3.2479.
- (7) Spielmann F. M., Langebner S., Ghirardo A., Hansel A., Schnitzler J.-P., Wohlfahrt G. (2016) Isoprene and  $\alpha$ -pinene deposition to grassland mesocosms. *Plant and Soil* **410**, 313-322, doi: 10.1007/s11104-016-3009-8.
- (8) Verma M., Fisher J., Mallick K., Ryu Y., Kobayashi H., Guillaume A., Moore G., Ramakrishnan L., Hendrix V., Wolf S., Sikka M., Kiely G., Wohlfahrt G., Gielen B., Rouspard O., Toscano P., Arain A., Cescatti A. (2016) Global Surface Net-Radiation at 5 km from MODIS Terra. *Remote Sensing* **8**, 739, doi: 10.3390/rs8090739.
- (9) Wohlfahrt G., Hammerle A., Niedrist G., Scholz K., Tomelleri E., Zhao P. (2016) On the energy balance closure and net radiation in complex terrain. *Agricultural and Forest Meteorology* **226-227**, 37-49, doi: 10.1016/j.agrformet.2016.05.012.
- (10) Yao Y., Liang S., Li X., Liu S., Chen J., Zhang X., Jia K., Jiang B., Xie X., Munier S., Liu M., Yu J., Lindroth A., Varlagin A., Raschi A., Noormets A., Pio C., Wohlfahrt G., Sun G., Domec J.-C., Montagnani L., Lund M., Eddy M., Blanken P. D., Grünwald T., Wolf S., Magliulo V. (2016) Assessment and simulation of global terrestrial latent heat flux by synthesis of CMIP5 climate models and surface eddy covariance observations. *Agricultural and Forest Meteorology* **223**, 151-167, doi: 10.1016/j.agrformet.2016.03.016.
- (11) Zhou Y., Wu X., Ju W., Chen J. M., Wang S., Wang H., Yuan W., Andrew Black T., Jassal R., Ibrom A., Han S., Yan J., Margolis H., Rouspard O., Li Y., Zhao F., Kiely G., Starr G., Pavelka M., Montagnani L., Wohlfahrt G., D'Odorico P., Cook D., Arain M. A., Bonal D., Beringer J., Blanken P. D., Loubet B., Leclerc M. Y., Matteucci G., Nagy Z., Olejnik J., Paw U K. T., Varlagin A. (2016) Global parameterization and validation of a two-leaf light use efficiency model for predicting gross primary production across FLUXNET sites. *Journal of Geophysical Research: Biogeosciences* **121**, 1045-1072, doi: 10.1002/2014jg002876.
- (12) Ahrar M., Doneva D., Koleva D., Romano A., Rodeghiero M., Tsonev T., Biasioli F., Stefanova M., Peeva V., Wohlfahrt G., Loreto F., Varotto C., Velikova V. (2015) Isoprene emission in the monocot Arundineae tribe in relation to functional and structural organization of the

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