

# PUBLICATIONS

## PUBLICATIONS IN REFEREED JOURNALS AND BOOKS

- A110) Kreba, S.A., O. Wendroth, M.S. Coyne, and R.J. Walton. 2017. Soil Gas Diffusivity, Air-filled Porosity, and Pore Continuity: Land Use and Spatial Patterns. *Soil Sci. Soc. Am. J.* (in press).
- A109) Armino, R.A., and O. Wendroth. 2016. Physical Soil Structure Evaluation based on Hydraulic Energy Functions. *Soil Sci. Soc. Am. J.* 80:1167–1180, doi:10.2136/sssaj2016.03.0058
- A108) Yang, Y.\*, O. Wendroth, and R.J. Walton. 2016. Temporal dynamics and stability of spatial soil matric potential in two land use systems. *Vadose Zone J.* 15, doi:10.2136/vzj2015.12.0157.
- A107) Liang, X.\*, V. Liakos, O. Wendroth, and G. Vellidis. 2016. Using the Van Genuchten Model for Irrigation Scheduling. *Agricultural Water Management* 176:170-179.
- A106) Shuai, X., X. Li, R. Yost, and O. Wendroth. 2016. State-space estimation of the intrinsic soil Phosphorus pools from Mehlich-3 Test. *Comm. Soil Sci. Plant Anal.* 47:1058-1068, DOI: 10.1080/00103624.2016.1166244.
- A105) Daehyun Kim\*, D.R. Hirmas, R.W. McEwan, T.G. Mueller, S.J. Park, P. Šamonil, J.A. Thompson, and O. Wendroth. 2016. Predicting the Influence of Multi-Scale Spatial Autocorrelation on Soil–Landform Modeling. *Soil Sci. Soc. Am. J.* 80:409-419, doi:10.2136/sssaj2015.10.0370.
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- A101) De Jong van Lier, Q., O. Wendroth, and J.C. van Dam. 2015. Prediction of winter wheat yield with the SWAP model using pedotransfer functions: An evaluation of sensitivity, parameterization and prediction accuracy. *Agric. Water Management* 154:29-42.
- A100) Awe, G.O.<sup>3</sup>, J.M. Reichert, and O. Wendroth. 2014. Temporal variability and covariance structures of soil temperature in a sugarcane field under different management practices in southern Brazil. *Soil Till. Res.* 150:93-106.
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- A98) Rienzi, E.A.<sup>1</sup>, C.J. Matocha, J.H. Grove, O. Wendroth and J.F. Fox. 2015. Enrichment ratio of poorly crystallized iron mobilized with clay/silt-sized particles released via interrill erosion. *Catena* 124: 130-137.
- A97) Schwen, A.<sup>2</sup>, J. Backus, Y. Yang<sup>1</sup>, and O. Wendroth. 2014. Characterizing land use impact on multi-tracer displacement and soil structure. *J. Hydrol.* 519:1752-1768.
- A96) Wendroth, O. 2014. Who will take back the bicycle? (Editorial in honor of Mirek Kutilek). *Soil & Tillage Res.* doi.org/10.1016/S0167-1987(14)00069-5
- A95) Karathanasis, A.D., J.L. Ghezzi, O. Wendroth, C.J. Matocha, J. Unrine, and Y.L. Thompson. 2014. Subsurface transport of As, Se, Cu, and Pb contaminants with soil and biosolid nano- and macro-colloid fractions. *Austin J. Hydrol.* 1: 13-25.
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- A83) Wendroth, O.\*, K.C. Kersebaum, G. Schwab, and L. Murdock. 2011. Spatial relationships of soil properties, crop indices and N application pattern with wheat growth and yield in a field. In: Ahuja, L., and L. Ma (Eds.) *Methods of Introducing System Models in Field Research*, Volume 2 in the *Advances in Agricultural System Modeling Series*, ASA-SSSA-CSSA, Madison, WI. p. 229-259. [A83]
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- A78) Shuai, X., O. Wendroth, C. Lu, and C. Ray. 2009. Reducing the complexity of Time Domain Reflectometry waveforms. *Soil Sci. Soc. Am. J.* 73: 28-36.
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- A76) Robinson D.A., C.S. Campbell, J.W. Hopmans, B.K. Hornbuckle, S.B. Jones, R. Knight, F. Ogden, J. Selker, and O. Wendroth. 2008. Soil moisture measurement for ecological and hydrological watershed-scale observatories: A review. *Vadose Zone J.* 7:358-389 (doi:10.2136/vzj2007.0143). [A76]
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