



LAI-2200C

Publications List

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- Abdelbaki, A., M. Schlerf, R. Retzlaff, M. Machwitz, J. Verrelst and T. Udelhoven (2021). "Comparison of crop trait retrieval strategies using UAV-based VNIR hyperspectral imaging." *Remote Sensing* 13(9): 1748.
- Aboutalebi, M., L. N. Allen, A. F. Torres-Rua, M. McKee and C. Coopmans (2019). Estimation of soil moisture at different soil levels using machine learning techniques and unmanned aerial vehicle (UAV) multispectral imagery, SPIE.
- Aboutalebi, M., A. F. Torres-Rua and N. Allen (2018). Multispectral remote sensing for yield estimation using high-resolution imagery from an unmanned aerial vehicle, SPIE.
- Aboutalebi, M., A. F. Torres-Rua, M. McKee, W. P. Kustas, H. Nieto, M. M. Alsina, A. White, J. H. Prueger, L. McKee and J. Alfieri (2022). "Downscaling UAV land surface temperature using a coupled wavelet-machine learning-optimization algorithm and its impact on evapotranspiration." *Irrigation Science* 40(4): 553-574.
- Afrasiabian, Y., H. Noory, A. Mokhtari, M. R. Nikoo, F. Pourshakouri and P. Haghghatmehr (2021). "Effects of spatial, temporal, and spectral resolutions on the estimation of wheat and barley leaf area index using multi-and hyper-spectral data (case study: Karaj, Iran)." *Precision Agriculture* 22(3): 660-688.
- Ali, A., M. Imran, A. Ali and M. A. Khan (2022). "Evaluating Sentinel-2 red edge through hyperspectral profiles for monitoring LAI & chlorophyll content of Kinnow Mandarin orchards." *Remote Sensing Applications: Society and Environment* 26: 100719.
- Al-Shareef, A. R., F. S. El-Nakhlawy and S. M. Ismail (2018). "Enhanced mungbean and water productivity under full irrigation and stress using humic acid in arid regions." *Legume Research-An International Journal* 41(3): 428-431.
- Baath, G. S., K. C. Flynn, P. H. Gowda, V. G. Kakani and B. K. Northup (2021). "Detecting Biophysical Characteristics and Nitrogen Status of Finger Millet at Hyperspectral and Multispectral Resolutions." *Frontiers in Agronomy* 2: 604598.
- Bakanogullari, F., S. Yesilkoy, N. Akataş and L. Saylan (2018). "EVALUATION OF CROP ALBEDO OF DIFFERENT SUNFLOWER CROP ROTATION CULTIVARS AND ITS EFFECT ON LATENT HEAT FLUX." *Journal of Agricultural, Food and Environmental Sciences, JAFES* 72(1): 140-145.
- Bellis, E. S., A. A. Hashem, J. L. Causey, B. R. K. Runkle, B. Moreno-García, B. W. Burns, V. S. Green, T. N. Burcham, M. L. Reba and X. Huang (2022). "Detecting Intra-Field Variation in Rice Yield With Unmanned Aerial Vehicle Imagery and Deep Learning." *UAV Remote Sensing for Plant Traits and Stress*.
- Bhatta, M., K. M. Eskridge, D. J. Rose, D. K. Santra, P. S. Baenziger and T. Regassa (2017). "Seeding rate, genotype, and topdressed nitrogen effects on yield and agronomic characteristics of winter wheat." *Crop Science* 57(2): 951-963.
- Biao, C. A. O., B. A. I. Yun-gang, C. Jun-ke and X. Jun (2018). "Experimental Study on Alfalfa Leaf Area Index with Different Irrigation Treatments in Cold and Arid Regions." *Xinjiang Agricultural Sciences* 55(4): 737.
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- Burchard-Levine, V., H. Nieto, D. Riaño, M. Migliavacca, T. S. El-Madany, R. Guzinski, A. Carrara and M. P. Martín (2021). "The effect of pixel heterogeneity for remote sensing based retrievals of evapotranspiration in a semi-arid tree-grass ecosystem." *Remote Sensing*

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- Busari, T. I., A. Senzanje, A. O. Odindo and C. A. Buckley (2018). "3 EVALUATING THE EFFECT OF IRRIGATION WATER MANAGEMENT TECHNIQUES ON (TARO) COCOYAM (COLOCASIA ESCULENTA (L.) SCHOTT) GROWN WITH ANAEROBIC BAFFLED REACTOR (ABR) EFFLUENT AT NEWLANDS, SOUTH AFRICA." INVESTIGATING THE EFFECTS OF IRRIGATION WATER MANAGEMENT TECHNIQUES USING ANAEROBIC BAFFLED REACTOR (ABR) EFFLUENTS FOR CROP PRODUCTION: 35.
- Busari, T. I., A. Senzanje, A. O. Odindo and C. A. Buckley (2018). "4 IRRIGATION WATER MANAGEMENT TECHNIQUES WITH ANAEROBIC BAFFLED REACTOR (ABR) EFFLUENTS: EFFECT ON RICE GROWTH, YIELD AND WATER PRODUCTIVITY." INVESTIGATING THE EFFECTS OF IRRIGATION WATER MANAGEMENT TECHNIQUES USING ANAEROBIC BAFFLED REACTOR (ABR) EFFLUENTS FOR CROP PRODUCTION: 53.
- Busari, T. I., A. Senzanje, A. O. Odindo and C. A. Buckley (2018). "5 THE IMPACT OF IRRIGATION WATER MANAGEMENT TECHNIQUES ON THE PERFORMANCE OF POTTED-RICE USING TREATED WASTEWATER REUSE IN DURBAN, SOUTH AFRICA." INVESTIGATING THE EFFECTS OF IRRIGATION WATER MANAGEMENT TECHNIQUES USING ANAEROBIC BAFFLED REACTOR (ABR) EFFLUENTS FOR CROP PRODUCTION: 75.
- Busari, T. I., A. Senzanje, A. O. Odindo and C. A. Buckley (2018). "DURBAN, SOUTH AFRICA." INVESTIGATING THE EFFECTS OF IRRIGATION WATER MANAGEMENT TECHNIQUES USING ANAEROBIC BAFFLED REACTOR (ABR) EFFLUENTS FOR CROP PRODUCTION: 89.
- Cai, L., Y. Zhao, Z. Huang, Y. Gao, H. Li and M. Zhang (2020). "Rapid Measurement of Potato Canopy Coverage and Leaf Area Index Inversion." *Applied Engineering in Agriculture* 36(4): 557-564.
- Canessa, R., L. van den Brink, A. Saldaña, R. S. Rios, S. Hättenschwiler, C. W. Mueller, I. Prater, K. Tielbörger and M. Y. Bader (2021). "Relative effects of climate and litter traits on decomposition change with time, climate and trait variability." *Journal of Ecology* 109(1): 447-458.
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- Chiozza, M. V., K. A. Parmley, R. H. Higgins, A. K. Singh and F. E. Miguez (2021). "Comparative prediction accuracy of hyperspectral bands for different soybean crop variables: From leaf area to seed composition." *Field Crops Research* 271: 108260.
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