



LI-600

# Publications List

*This document contains a sampling of recent publications that reference LI-COR instrumentation and software. This list is provided for informational purposes only, and LI-COR neither endorses, nor makes any express or implied warranties with respect to any data included in these publications.*

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- Apisa, E. A. (2022). "Initial Performance of Trees in an Urban Stormwater Bioretention System."
- Bheemanahalli, R., P. Ramamoorthy, S. Poudel, S. Samiappan, N. Wijewardane and K. R. Reddy (2022). "Effects of drought and heat stresses during reproductive stage on pollen germination, yield, and leaf reflectance properties in maize (*Zea mays* L.)." *Plant direct* 6(8): e434.
- Bheemanahalli, R., R. R. Vennam, P. Ramamoorthy and K. R. Reddy (2022). "Effects of post-flowering heat and drought stresses on physiology, yield, and quality in maize (*Zea mays* L.)." *Plant Stress* 6: 100106.
- Caine, R. S., E. L. Harrison, J. M. Sloan, P. M. Flis, S. Fischer, N. T. Phuoc, N. T. Lang, J. E. Gray and H. L. Croft (2022). "The Influences of Stomatal Size and Density on Rice Drought, Salinity and VPD Resilience." *bioRxiv*.
- Edet, O. U. and T. Ishii (2022). "Cowpea speed breeding using regulated growth chamber conditions and seeds of oven-dried immature pods potentially accommodates eight generations per year." *Plant methods* 18(1): 1-14.
- Fenstermaker, S., J. Cho, J. E. McCoy, K. L. Mercer and D. M. Francis (2022). "Selection strategies to introgress water deficit tolerance derived from *Solanum galapagense* accession LA1141 into cultivated tomato." *Frontiers in plant science* 13.
- Fenstermaker, S. M. (2021). Using wild relatives as a source of traits through introgression breeding and grafting for tomato improvement PhD Thesis, The Ohio State University.
- Grünhofer, P., T. Stöcker, Y. Guo, R. Li, J. Lin, K. Ranathunge, H. Schoof and L. Schreiber "Populus  $\times$  canescens root suberization in reaction to osmotic and salt stress is limited to the developing younger root tip region." *Physiologia Plantarum*: e13765.
- Hamerlynck, E. P. and R. C. O'Connor (2022). "Photochemical performance of reproductive structures in Great Basin bunchgrasses in response to soil-water availability." *AoB Plants* 14(1): plab076.
- Hensarling, K. (2021). "Effect of Hydroponic System Type on Growth and Nutrient Uptake of Lettuce (*Lactuca sativa* 'Rex') Irrigated with Aquaculture Effluent."
- Li, R., R. Yang, W. Zheng, L. Wu, C. Zhang and H. Zhang (2022). "Melatonin Promotes SGT1-Involved Signals to Ameliorate Drought Stress Adaption in Rice." *International journal of molecular sciences* 23(2): 599.
- Maestro-Gaitán, I., S. Granado-Rodríguez, M. I. Orús, J. Matías, V. Cruz, L. Bolaños and M. Reguera (2022). "Genotype-dependent responses to long-term water stress reveal different water-saving strategies in *Chenopodium quinoa* Willd." *Environmental and Experimental Botany* 201: 104976.
- Muravieva, E. A. and E. S. Kulakova (2022). "Overview of the instrumentation base for monitoring greenhouse gases." *Nanotechnologies in Construction* 14(1).
- Northing, P. C. (2022). Acclimation to Drought and Cold Stress in Holly (*Ilex*): Evergreen Tolerance and Deciduous Escape PhD Thesis.
- Ramamoorthy, P., S. Samiappan, M. J. Wubben, J. P. Brooks, A. Shrestha, R. M. Panda, K. R. Reddy and R. Bheemanahalli (2022). "Hyperspectral Reflectance and Machine Learning Approaches for the Detection of Drought and Root-Knot Nematode Infestation in Cotton." *Remote Sensing* 14(16): 4021.
- Risso, A., V. Rajaram, S. Kang, S. D. Calisgan, Z. Qian and M. Rinaldi (2021). Zero Power Crop Water-Stress Detector Based On A Micromechanical Photoswitch Monitoring Leaf Transmittance Change. In 2021 21st International Conference on Solid-State Sensors, Actuators and Microsystems (Transducers) IEEE.
- Sun, Z., W. Guo, X. Zhao, Y. Chen, J. Yang, S. Xu and H. Hou (2022). "Sulfur limitation boosts more starch accumulation than nitrogen or phosphorus limitation in duckweed (*Spirodela polyrhiza*)." *Industrial Crops and Products* 185: 115098.
- 宋立金, 丁日升, 曹荷莉, 郭悦, 霍礼琪, 王嫣然 and 武凝楠 (2022). "集成萌芽期生长和苗期生理指标高通量筛选番茄耐盐品种." *植物生理学报*.



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