Below is the list of publications since 2020 that used Xyl'em embolism-meter. This list is based on the Google Scholar database.

1. Lübbe, T., Lamarque, L. J., Delzon, S., Torres Ruiz, J. M., Burlett, R., Leuschner, C., & Schuldt, B. (2021). High variation in hydraulic efficiency but not xylem safety between roots and branches in four temperate broad-leaved tree species. *Functional Ecology*.

2. Mantova, M., Menezes-Silva, P. E., Badel, E., Cochard, H., & Torres-Ruiz, J. M. (2021). The interplay of hydraulic failure and cell vitality explains tree capacity to recover from drought. Physiologia Plantarum, 172(1), 247-257.

3. Hafner, B. D., Hesse, B. D., & Grams, T. E. (2021). Friendly neighbours: Hydraulic redistribution accounts for one quarter of water used by neighbouring drought stressed tree saplings. *Plant, Cell & Environment*, *44*(4), 1243-1256.

4. Wang, Z., Ding, X., Li, Y., & Xie, J. (2022). The compensation effect between safety and efficiency in xylem and role in photosynthesis of gymnosperms. *Physiologia Plantarum*, *174*(1), e13617.

5. Mayr, S., Schmid, P., Beikircher, B., Feng, F., & Badel, E. (2020). Die hard: timberline conifers survive annual winter embolism. *New Phytologist*, *226*(1), 13-20.

6. Hafner, B. D., Hesse, B. D., Bauerle, T. L., & Grams, T. E. (2020). Water potential gradient, root conduit size and root xylem hydraulic conductivity determine the extent of hydraulic redistribution in temperate trees. *Functional Ecology*, *34*(3), 561-574.

7. Herbette, S., Charrier, O., Cochard, H., & Barigah, T. S. (2021). Delayed effect of drought on xylem vulnerability to embolism in Fagus sylvatica. *Canadian Journal of Forest Research*, *51*(4), 622-626.

8. Lamacque, L., Sabin, F., Ameglio, T., Herbette, S., & Charrier, G. (2021). Detection of acoustic events in Lavender for measuring the xylem vulnerability to embolism and cellular damages. *arXiv preprint arXiv:2105.03866*.

9. Lemaire, C., Quilichini, Y., Brunel-Michac, N., Santini, J., Berti, L., Cartailler, J., ... & Herbette, S. (2021). Plasticity of the xylem vulnerability to embolism in Populus tremula x alba relies on pit quantity properties rather than on pit structure. *Tree Physiology*, *41*(8), 1384-1399.

10. Ravi, S., Young, T., Macinnis-Ng, C., Nyugen, T. V., Duxbury, M., Alfaro, A. C., & Leuzinger, S. (2020). Untargeted metabolomics in halophytes: The role of different metabolites in New Zealand mangroves under multi-factorial abiotic stress conditions. *Environmental and Experimental Botany*, *173*, 103993.

11. Duan, H., Resco de Dios, V., Wang, D., Zhao, N., Huang, G., Liu, W., ... & Tissue, D. T. (2022). Testing the limits of plant drought stress and subsequent recovery in four provenances of a widely distributed subtropical tree species. *Plant, Cell & Environment*.

12. Benson, M. C., Miniat, C. F., Oishi, A. C., Denham, S. O., Domec, J. C., Johnson, D. M., ... & Novick, K. A. (2022). The xylem of anisohydric Quercus alba L. is more vulnerable to embolism than isohydric codominants. Plant, cell & environment, 45(2), 329-346.

13. Fuchs, S., Leuschner, C., Mathias Link, R., & Schuldt, B. (2021). Hydraulic variability of three temperate broadleaf tree species along a water availability gradient in central Europe. *New Phytologist*, *231*(4), 1387-1400.

14. Arend, M., Link, R. M., Patthey, R., Hoch, G., Schuldt, B., & Kahmen, A. (2021). Rapid hydraulic collapse as cause of drought-induced mortality in conifers. *Proceedings of the National Academy of Sciences*, *118*(16).

15. Martínez-Arias, C., Sobrino-Plata, J., Macaya-Sanz, D., Aguirre, N. M., Collada, C., Gil, L., ... & Rodríguez-Calcerrada, J. (2020). Changes in plant function and root mycobiome caused by flood and drought in a riparian tree. *Tree Physiology*, *40*(7), 886-903

16. Brunetti, C., Savi, T., Nardini, A., Loreto, F., Gori, A., & Centritto, M. (2020). Changes in abscisic acid content during and after drought are related to carbohydrate mobilization and hydraulic recovery in poplar stems. *Tree physiology*, *40*(8), 1043-1057.

17. Ravi, S., Bader, M. K., Young, T., Duxbury, M., Clearwater, M., Macinnis-Ng, C., & Leuzinger, S. (2021). Are the well-fed less thirsty? Effects of drought and salinity on New Zealand mangroves. *Journal of Plant Ecology*.

18. Ramírez-Valiente, J. A., López, R., Hipp, A. L., & Aranda, I. (2020). Correlated evolution of morphology, gas exchange, growth rates and hydraulics as a response to precipitation and temperature regimes in oaks (Quercus). *New Phytologist*, *227*(3), 794-809

19. Kannenberg, S. A., & Phillips, R. P. (2020). Non-structural carbohydrate pools not linked to hydraulic strategies or carbon supply in tree saplings during severe drought and subsequent recovery. *Tree Physiology*, *40*(2), 259-271

20. Gonzalez de Andres, E., Rosas, T., Camarero, J. J., & Martínez-Vilalta, J. (2021). The intraspecific variation of functional traits modulates drought resilience of European beech and pubescent oak. *Journal of Ecology*, *109*(10), 3652-3669.

21. Benson, M., Miniat, C., Oishi, A., Denham, S., Domec, J. C., Johnson, D., ... & Novick, K. (2020). Hydraulic traits of deciduous tree species: Do lessons learned from arid climates translate to eastern US temperate forests?. *Authorea Preprints*.