Ítalo Cuneo Arratia

Publicaciones (2015- presente)

1. Fernandez E, **Cuneo IF**, Whitney C, Luedeling E. 2020. Prospects of decreasing winter chill for deciduous fruit production in Chile throughout the 21st century. Climatic Change, aceptado. Q1.

2. Alvarado L, Saa S, **Cuneo IF**, Pedreschi R, Morales J, Larach A, Barros W, Besoain X. 2020. A comparison of immediate and short-term defensive responses to Phytophthora species infection in both susceptible and resistant walnut rootstocks. Plant Disease. https://doi.org/10.1094/PDIS-03-19-0455-RE. Q1.

3. Morales J, Besoain X, **Cuneo IF**, Larach A, Alvarado L, Cáceres-Mella A, Saa S. 2019. Impact of Nitrogen Fertilization on *Phytophthora cinnamomi* Root-related Damage in *Juglans regia* Saplings. HortScience 54: 2188-2194. Q2.

4. Fernandez E, **Cuneo IF**, Luedeling E, Alvarado L, Farías D, Saa S. 2019. Starch and hexoses concentrations as physiological markers in dormacy progression of sweet cherry twigs. Trees 33: 1187-1201. Q2.

5. Knipfer T, Barrios-Masias F, **Cuneo IF**, Bouda M, Albuquerque P, Brodersen C, Kluepfel DA, McElrone AJ. 2018. Variations in xylem embolism susceptibility under drought between intact saplings of three walnut species. Three Physiology 38: 8; 1180-1192. Q1.

6. Caceres-Mella A, Ribalta-Pizarro C, Villalobos-González L, **Cuneo IF**, Pastenes C. 2018. Controlled water deficit modifies the phenolic composition and sensory properties in Cabernet Sauvignon wines. Scientia Horticulturae 237: 105-111. Q1.

7. **Cuneo IF**, T Knipfer, P Mandal, C Brodersen & A McElrone. 2018. Water uptake can occur through woody portions of roots and facilitates localized embolism repair in grapevine. New Phytologist 218: 506-516. Q1.

8. Knipfer T, **Cuneo IF**, Mason J, Reyes C, Brodersen C, McElrone A. 2017. Storage compartments for capillary water rarely refill in an intact woody plant. Plant Physiology 175: 1649-1660. Q1.

9. **Cuneo IF**, Knipfer T, Brodersen C, McElrone A. 2016. Mechanical failure of fine root cortical cells initiates plant hydraulic decline during drought. Plant Physiology 172: 1669-1678.Q1.

10. Knipfer T, **Cuneo IF**, Brodersen C, McElrone A. 2016. In situ visualization of the dynamics in xylem embolism formation and removal in the absence of root pressure: A study on excised grapevine stems. Plant Physiology 171: 1024-1036. Q1.

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Proyectos con financiamiento externo (2015-presente)

1. Understanding how drought stress affects water uptake capacity at different developmental zones along the length of grapevine fine roots
Financiamiento: Fondecyt de Iniciación
Rol: Investigador responsable
Duración: 2018-2021
Año adjudicación: 2018

2. Rootstocks/scion hydraulic interaction: unraveling the contribution of root apoplastic, symplastic and transcellular water transport pathways on scion physiological performance
Financiamiento: Fondecyt Regular
Rol: Co- investigador
Duración: 2019-2023
Año de adjudicación: 2019

3. Phenological and Social Impacts of Temperature Increase - A Case Study of Two countries (PASIT)
Financiamiento: Federal Ministry of Education and Research (BMBF)
Rol: Co-investigador
Duración: 2017-2020
Año de adjudicación: 2017

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