

Latest publications from the UC Davis Department of Viticulture & Enology as of 8/23/2017:

J Rapicavoli, B Ingel, B Blanco-Ulate, D Cantu, C Roper. [Xylella fastidiosa: An examination of a re-emerging plant pathogen](#). Molecular Plant Pathology. 2017.

Melanie Massonnet, Rosa Figueroa Balderas, Erin Galarneau, Shiho Miki, Daniel Lawrence, Qiang Sun, Christopher Michael Wallis, Kendra Baumgartner, Dario Cantu. [Neofusicoccum parvum colonization of the grapevine woody stem triggers asynchronous host responses at the site of infection and in the leaves](#). Frontiers in Plant Science 8, 1117. 2017.

Y Zhou, M Massonnet, J Sanjak, D Cantu, BS Gaut. [The Evolutionary Genomics of Grape \(Vitis vinifera ssp. vinifera\) Domestication](#). bioRxiv, 146373. 2017.

A Minio, J Lin, BS Gaut, D Cantu. [How Single Molecule Real-Time Sequencing and Haplotype Phasing Have Enabled Reference-Grade Diploid Genome Assembly of Wine Grapes](#). Frontiers in Plant Science 8, 826. 2017.

Courtney K Tanabe, Helene Hopfer, Susan E Ebeler, Jenny Nelson, Sean D Conklin, Kevin M Kubachka, Robert A Wilson. [Matrix Extension and Multilaboratory Validation of Arsenic Speciation Method EAM § 4.10 to Include Wine](#). Journal of Agricultural and Food Chemistry. 2017.

MW Fidelibus. [Canopy Separation Did Not Improve Dry-on-Vine Raisin Yield or Quality from Selma Pete Grapevines on Open Gable Trellises](#). Catalyst: Discovery into Practice, catalyst. 2017.16007. 2017.

S Frost, JF Harbertson, H Heymann. [A full factorial study on the effect of tannins, acidity, and ethanol on the temporal perception of taste and mouthfeel in red wine](#). Food Quality and Preference. 2017.

Guillaume Thérout-Rancourt, J Mason Earles, Matthew E Gilbert, Maciej A Zwieniecki, C Kevin Boyce, Andrew J McElrone, Craig R Brodersen. [The bias of a two-dimensional view: comparing two-dimensional and three-dimensional mesophyll surface area estimates using noninvasive imaging](#). New Phytologist 215 (4), 1609-1622. 2017.

TM Shapland, R Snyder, A McElrone. [Determining sensible heat flux without calibration](#). US Patent 9,714,874. 2017.

Luca Brillante, Johann Martinez-Lüscher, Runze Yu, Cassandra M Plank, Luis A Sanchez, Terrence Bates, Charles Brenneman, Anita Oberholster, Sahap Kaan Kurtural. [Assessing Spatial Variability of Grape Skin Flavonoids at the Vineyard Scale Based on Plant Water Status Mapping](#). Journal of Agricultural and Food Chemistry. 2017.

Johann Martínez-Lüscher, Luca Brillante, Clinton C Nelson, Ashraf M Al-Kereamy, Shijian Zhuang, S Kaan Kurtural. [Precipitation before bud break and irrigation affect the response of grapevine 'Zinfandel' yields and berry skin phenolic composition to training systems](#). Scientia Horticulturae 222, 153-161. 2017.

R Yu, SK Kurtural. [Vine trimming: Effects of leaf removal and applied water on flavonoid accumulation in Merlot berries](#). Wine & Viticulture Journal 32 (3), 46. 2017.