Research Articles

Effects of Immersive Context and Wine Flavor on Consumer Wine Flavor Perception and Elicited Emotions

W. Jiang, J. Niimi, R. Ristic, and S.E.P. Bastian .......................................................... 1 - 10

Water Versus Source–Sink Relationships in a Semiarid Tempranillo Vineyard: Vine Performance and Fruit Composition


Influence of Oenococcus oeni and Brettanomyces bruxellensis on Hydroxycinnamic Acids and Volatile Phenols of Aged Wine


Effect of Bentonite Fining on Polyfunctional Mercaptans and Other Volatile Compounds in Sauvignon blanc Wines

E. Vela, P. Hernández-Orte, E. Castro, V. Ferreira, and R. Lopez ........................................... 30 - 38

Relating Expert Quality Ratings of Australian Chardonnay Wines to Volatile Composition and Production Method


A Multivariate Methodological Approach to Relate Wine to Characteristics of Grape Composition: The Case of Typicality

V. Canuti, M. Picchi, B. Zanoni, G. Fia, and M. Bertuccioli ................................................... 49 - 59

Predicting Key Phenological Stages for 17 Grapevine Cultivars (Vitis vinifera L.)

D. Zapata, M. Salazar-Gutierrez, B. Chaves, M. Keller, and G. Hoogenboom ........................................ 60 - 72

Evaluation of Chinese Saccharomyces cerevisiae Wine Strains from Different Geographical Origins


continued next page
Impact of Yeasts Present during Prefermentation Cold Maceration of Pinot noir Grapes on Wine Volatile Aromas

H. Hall, Q. Zhou, M.C. Qian, and J.P. Osborne ......................................................... 81 - 90

Copper-Complexed Hydrogen Sulfide in Wine: Measurement by Gas Detection Tubes and Comparison of Release Approaches


Biochemical Markers for Enological Potentiality in a Grapevine Aromatic Variety under Different Soil Types

D. De Santis, M.T. Frangipane, E. Brunori, P. Cirigliano, and R. Biasi .......................... 100 - 111

Aroma Characterization of Petit Manseng Wines Using Sensory Consensus Training, SPME GC-MS, and Electronic Nose Analysis

D.M. Gardner, S.E. Duncan, and B.W. Zoecklein ..................................................... 112 - 119

Brown Marmorated Stink Bug Taint in Pinot noir: Detection and Consumer Rejection Thresholds of trans-2-Decenal

P. Mohekar, T.J. Lapis, N.G. Wiman, J. Lim, and E. Tomasino ..................................... 120 - 126

Mitigating the Economic Impact of Grapevine Red Blotch: Optimizing Disease Management Strategies in U.S. Vineyards

K.D. Ricketts, M.I. Gómez, M.F. Fuchs, T.E. Martinson, R.J. Smith, M.L. Cooper,
M.M. Moyer, and A. Wise ................................................................. 127 - 135

Research Note

Use of Minimal Pruning to Delay Fruit Maturity and Improve Berry Composition under Climate Change

W. Zheng, V. del Galdo, J. Garcia, P. Balda, and F. Martinez de Toda ............................ 136 - 140

Technical Brief

Impact of Winemaking Techniques on Classical Enological Parameters and Rotundone in Red Wine at the Laboratory Scale

O. Geffroy, T. Siebert, A. Silvano, and M. Herderich .................................................. 141 - 146