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Publication

Cited by 11 (Google Scholar)

- Journal of Chromatography B, 1043 (2017) 219-227

On-line SPE sample treatment as a tool for method automatization and detection

limits reduction: Quantification of 25-hydroxyvitamin D3/D2

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- Beverages 2021, 7, 45. https://doi.org/10.3390/ beverages7030045

Use of Pulsed Electric Field as a Low-Temperature and High-Performance “Green” Extraction Technique for the Recovery of High Added Value Compounds from Olive Leaves.

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- Foods 2021, 10, 2014. https:// doi.org/10.3390/foods10092014

Pulsed Electric Field and Salvia officinalis L. Leaves: A Successful Combination for the Extraction of High Value Added Compounds.

Athanasiadis, V. 1, Lakka, A. 1, Palaiogiannis, D. 1, Pappas, V.M. 1, Bozinou, E. 1, Ntourtoglou, G. 2, Makris, D.P. 1, Dourtoglou, V.G. 2, Lalas, S.I. 1

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- Antioxidants 2021, 10, 1554. https://doi.org/10.3390/ antiox10101554

Optimization of Pulsed Electric Field as Standalone “Green” Extraction Procedure for the Recovery of High Value-Added Compounds from Fresh Olive Leaves.

Pappas, V.M. 1, Lakka, A. 1, Palaiogiannis, D. 1, Athanasiadis, V. 1, Bozinou, E. 1, Ntourtoglou, G. 2, Makris, D.P. 1, Dourtoglou, V.G. 2, Lalas, S.I. 1

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