

PUBLICACIONES CIENTÍFICAS 2016

GRUPO DE BIOSENSORES ANALÍTICOS (GBA)

The chromatic variance matrix in digital image based methods for the potential evaluation as quantitative procedures.

A.López-Molinero, J. Jiménez-Lamana (GBA)

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The intrinsic fluorescence of FAD and its application in analytical chemistry: a review.

J. Galbán, I. Sanz-Vicente, J. Navarro, S. de Marcos (GBA)

Methods and Applications in Fluorescence, 4, 2-19 (2016)

A reagentless enzymatic fluorescent biosensor for glucose based on upconverting glasses, as excitation source, and chemically modified glucose oxidase.

M. del Barrio, R. Cases, V. Cebolla, T. Hirsch, S. de Marcos, S. Wilhelm, J. Galbán (GBA)

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Fluorescence of the Flavin group in choline oxidase. Insights and analytical applications for the determination of choline and betaine aldehyde.

E. Ortega, S. De Marcos, I. Sanz-Vicente, C. Ubide, M. Ostra, M. Vidal, J. Galbán (GBA)

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GRUPO DE ESPECTROSCOPIA ANALÍTICA Y SENSORES (GEAS)

Detection, characterization and quantification of inorganic engineered nanomaterials: A review of techniques and methodological approaches for the analysis of complex samples.

F. Laborda, E. Bolea, G. Cepriá, MT. Gómez, MS. Jiménez, J. Pérez-Arantegui, JR. Castillo (GEAS)

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MA. Gómez-González, E. Bolea, PA. O'Day, J. García-Guinea, F. Garrido, F. Laborda (GEAS)

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Evaluation of number concentration quantification by single-particle inductively coupled plasma mass spectrometry: microsecond vs. millisecond dwell times.

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Analytical and Bioanalytical Chemistry, 408, 19, 5089-5097 (2016)

Physical and chemical characterization of cerium(IV) oxide nanoparticles.

G. Cepriá, WR. Córdova, O. Céspedes, L. Sánchez-García, P. Ferrer, D. Gianolio, JR. Castillo (GEAS)

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Colloidal mobilization of arsenic from mining-affected soils by surface runoff.

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A multi-electrochemical competitive immunosensor for sensitive cocaine determination in biological samples.

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Electroanalysis, 28, 4, 685-694 (2016)

Evaluation of agarose gel electrophoresis for characterization of silver nanoparticles in industrial products.

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First evidence of purple pigment production and dyeing in southern Arabia (Sumhuram, Sultanate of Oman) revealed by mass.

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Buenas prácticas en la docencia universitaria con apoyo de TIC. Experiencia en 2015, cap. 27, pp. 231-237. Prensas de la Universidad de Zaragoza. Zaragoza. ISBN: 978-84-16515-65-3 (2016)

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Posibilidades de la web2.0 para el desarrollo de trabajo grupales o colaborativos-dirigidos.

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GRUPO UNIVERSITARIO DE INVESTIGACIÓN ANALÍTICA (GUIA)

Fabric phase sorptive extraction (FPSE), a novel sample preparation methodology applied to the analysis of specific migration from food packaging.

M. Aznar, P. Alfaro, C. Nerin, A. Kabir (GUIA)

Analytica Chimica Acta, 936, 97-107 (2016)

Nano selenium as antioxidant agent in a multilayer food packaging material.

P. Vera, Y. Echegoyen, E. Canellas, C. Nerin, M. Palomo-Siguero, Y. Madrid, C. Camara (GUIA)

Analytical and Bioanalytical Chemistry, 408, 24, 6659-6670 (2016)

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LABORATORIO DE ANÁLISIS DE AROMA Y ENOLOGÍA (LAAE)

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

E. Vela, P. Hernandez-Orte, E. Castro, V. Ferreira, R. López (LAAE)

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LABORATORIO LÁSER Y MEDIO AMBIENTE (LASLAB)

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GRUPO DE INVESTIGACIÓN EN MÉTODOS DE ANÁLISIS RÁPIDOS (MARTE)

Determination of ultra-trace amounts of prosthesis-related metals in whole blood using volumetric absorptive micro-sampling and tandem ICP-Mass spectrometry.

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