

PUBLICACIONES CIENTÍFICAS 2021

GRUPO DE NANOSENSORES Y SISTEMAS BIOANALÍTICOS (N&SB)

Uncapped Gold Nanoparticles for the Metallization of Organic Monolayers.

Alba Martín-Barreiro, Rogelio Soto, Stefano Chiodini, Aitor García Serrano; Santiago Martín, Lucía Herrer, Francesc Pérez Murano, Paul J. Low, José Luis Serrano, Susana de Marcos, Javier Galbán, Pilar Cea (N&SB)

Advanced Materials Interfaces, 8(18), 2100876 (2021)

Direct minimally invasive enzymatic determination of tyramine in cheese using digital imaging

Sofia Oliver, Susana de Marcos, Isabel Sanz Vicente, Vicente Cebolla, Javier Galbán (N&SB)

Analytica Chimica Acta, 1164, 338489 (2021)

Untargeted Fabry-related Globotriaosylceramide (Gb3) biomarkers in plasm

Carmen Jarne, José Manuel Escuin, Jesús Vela, Luis Membrado, Vicente L. Cebolla, (N&SB)

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Electronic Communication in Binuclear Osmium-and Iridium-Polyhydrides

Lara Cancela, Miguel Angel Esteruelas, Javier Galbán, Montserrat Olivan, Enrique Oñate, Andrea Vélez, Juan Carlos Vidal (N&SB)

Inorganic Chemistry, 60(4), 2783-2796 (2021)

Globotriaosylceramide-related biomarkers of fabry disease identified in plasma by high-performance thin-layer chromatography-densitometry-mass spectrometry

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Evaluation of hydrodynamic chromatography coupled to inductively coupled plasma mass spectrometry for speciation of dissolved and nanoparticulate gold and silver.

M. Sierra Jiménez, Mariam Bakir, Daniel Isábal, M. Teresa Gómez, Josefina Pérez Arantegui, Juan Ramón Castillo, Francisco Laborda (GEAS).

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Not only wall paintings pigments for cosmetics.

Josefina Pérez-Arantegui (GEAS).

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Analytical applications of single particle inductively coupled plasma mass spectrometry: a comprehensive and critical review.

Eduardo Bolea, M. Sierra Jiménez, Josefina Perez Arantegui, Juan Carlos Vidal, Mariam Bakir, Khaoula Ben Jeddou, Ana Cristina Gimenez Ingalaturre, David Ojeda, Celia Trujillo, Francisco Laborda. (GEAS).

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Biosensores enzimáticos basados en la generación in-situ de Nanomateriales de oro: una alternativa a los métodos enzimáticos ópticos clásicos

Susana de Marcos, Isabel Sanz-Vicente, Ángel López Molinero, Javier Camacho Aguayo, Mario Domínguez, Pablo Cebrián, Jesús Navarro, Alba Martín Barreiro y Javier Galbán

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GRUPO UNIVERSITARIO DE INVESTIGACIÓN ANALÍTICA (GUIA)

Comparison of LC-ESI, DART, and ASAP for the analysis of oligomers migration from biopolymer food packaging materials in food (simulants)

Jazmín Osorio, Margarita Aznar, Cristina Nerín, Christopher Elliott, Olivier Chevallier (GUIA)

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Study of bioactive volatile compounds from different parts of Pistacia lentiscus L. extracts and their antioxidant and antibacterial activities for new active packaging application

Sabrina Djebari, Magdalena Wrona, Asma Boudria, Jesús Salafranca, Cristina Nerin, Kenza Bedjaoui, Khodir Madani (GUIA)

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Magdalena Wrona, Filomena Silva, Jesús Salafranca, Nerín, C.; María José Alfonso, Miguel Angel Caballero (GUIA)
Food Control, 120, 107536 (2021)

Importance of profile of volatile and off-odors compounds from different recycled polypropylene used for food applications

Robert Paiva, Magdalena Wrona, Cristina Nerin, Isabelly Bertochi, Veroneze, Isabelly Bertochi; Georgiana- Luminita Gavril, Sandra Andrea Cruz (GUIA)
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Yi-Qi Liu, Magdalena Wrona, Qi-Zhi Su, Paula Vera, Cristina Nerin, Chang-Ying Hu (GUIA)
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Screening of volatile decay markers of minced pork by headspace-solid phase microextraction–gas chromatography–mass spectrometry and chemometrics

Xuechao Song, Elena Canellas, Cristina Nerin (GUIA)
Food Chemistry, 342, 128341 (2021)

The migration of NIAS from ethylene-vinyl acetate corks and their identification using gas chromatography mass spectrometry and liquid chromatography ion mobility quadrupole time-of-flight mass spectrometry

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Food chemistry, 366, 13059 (2021)

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Zhi-Feng Chen, Qin-Bao Lin, Qi-Zhi Su, Huai-Ning Zhong, Cristina Nerin (GUIA)
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Citrus × paradisi essential oil as a promising agent for margarine storage stability: Composition and antioxidant capacity

Ghania Kaanin-Boudraa,; Fatiha Brahmi, Magdalena Wrona, Cristina Nerin, Samir Hajdal, Madani Khodir, Lila Boulekbache-Makhlouf (GUIA)
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Discovery and Characterization of Phenolic Compounds in Bearberry (Arctostaphylos uva-ursi) Leaves Using Liquid Chromatography–Ion Mobility–High-Resolution Mass Spectrometry

Xuechao Song, Elena Canellas, Nicola Dreolin, Cristina Nerin, Jeff Goshawk (GUIA)
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Prediction of Collision Cross Section Values: Application to Non-Intentionally Added Substance Identification in Food Contact Materials

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The Role of Residual Contaminants and Recycling Steps on Rheological Properties of Recycled Polypropylene

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María Râpa, Maria Stefan Paula Adriana Popa, Dana Toloman, Cristian Leostean, Gherghe Borodi Dan Cristian Vodnar, Magdalena Wrona, Jesús Salafranca, Cristina Nerín, Daniel Gabriel Barta, María Suciú, Cristian Predescu, Ecaterina Matei (GUIA)
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Evaluation of new antimicrobial materials incorporating ethyl lauroyl arginate or silver into different matrices, and their safety in use as potential packaging

Sofia Manso, Magdalena Wrona, Jesús Salafranca, Cristina Nerín, María José Alfonso, Miguel Ángel Caballero (GUIA)
Polymers, 13, 355 (2021)

Corrigendum to "Decontamination efficiencies of post-consumer high-density polyethylene milk bottles and prioritization of high concern volatile migrants"

Qi-Zhi Su, Paula Vera, Jesús Salafranca, Cristina Nerín (GUIA)
Resources, Conservation and Recycling, 173, 105739 (2021)

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Eduardo Bolea-Fernandez, Ana Rúa-Ibarz, Martín Resano, Frank Vanhaecke (MARTE)
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Lucía Gutiérrez, María del Puerto Morales, Alejandro G. Roca

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