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A Review of Analytical Methods for the Identification and Characterization of Nano Delivery Systems in Food





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Publication Date (Web): August 30, 2008 (Review)

DOI: 10.1021/jf8013926

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Analytical Methods

Improved Approach for Analyzing Bromophenols in Seafood Using Stable Isotope Dilution Analysis in Combination with SPME





Steve C. Fuller, Damian C. Frank, Matthew J. Fitzhenry, Heather E. Smyth and Sue E. Poole

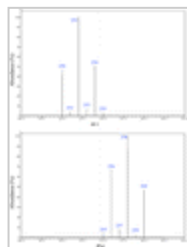
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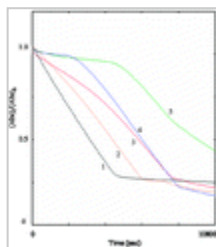


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Comparison of Chemical and Cell-Based Antioxidant Methods for Evaluation of Foods and Natural Products: Generating Multifaceted Data by Parallel Testing Using Erythrocytes and Polymorphonuclear Cells

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Kelly L. Wolfe, Xinmei Kang, Xiangjiu He, Mei Dong, Qingyuan Zhang and Rui Hai Liu

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Jung-Mi Kim, Jong-Sang Kim, Hoon Yoo, Myoung-Gun Choung and Mi-Kyung Sung

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New Method for Reducing the Binding Power of Sweet White Wines

Mélanie Blasi, Jean-Christophe Barbe, Denis Dubourdieu and Hervé Deleuze

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Use of an in Vitro Digestion Model To Study the Bioaccessibility of 4-Hydroxy-2-nonenal and Related Aldehydes Present in Oxidized Oils Rich in Omega-6 Acyl Groups

Encarnación Goicoechea, Klaas Van Twillert, Menno Duits, Esther D. F. A. Brandon, Peter R. Kootstra, Marco H. Blokland and María D. Guillén

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Ru-Yue Huang and Cheng-Chun Chou

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Rosa Altisent, Jordi Graell, Isabel Lara, Luisa López and Gemma Echeverría

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V. Daniela Barrera-García, Régis D. Gougeon, Thomas Karbowiak, André Voilley and David Chassagne




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John F. Clos, Grant E. DuBois and Indra Prakash

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Oxidative Reactions during Early Stages of Beer Brewing Studied by Electron Spin Resonance and Spin Trapping





Anne M. Frederiksen, Rikke M. Festersen and Mogens L. Andersen

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Heat Stability of Strawberry Anthocyanins in Model Solutions Containing Natural Copigments Extracted from Rose (*Rosa damascena* Mill.) Petals





Vasil Shikov, Dietmar R. Kammerer, Kiril Mihalev, Plamen Mollov and Reinhold Carle

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Kenneth B. Miller, William Jeffery Hurst, Mark J. Payne, David A. Stuart, Joan Apgar, Daniel S. Sweigart and

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P. A. Murphy, J. Hu, K. Barua and C. C. Hauck

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Seung Un Lee, Jong Ha Lee, Suk Hyun Choi, Jin Shik Lee, Mayumi Ohnisi-Kameyama, Nobuyuki Kozukue, Carol E.

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Chemical, Molecular, and Structural Characterization of Alkali Extractable Nonstarch Polysaccharides from Job's Tears

Supaporn Apirattanusorn, Sunanta Tongta, Steve W. Cui and Qi Wang

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Crop and Animal Protection Chemistry

β -Cyclodextrins as Carriers of Monoterpenes into the Hemolymph of the Honey Bee (*Apis mellifera*) for Integrated Pest Management





Blaise W. LeBlanc, Stephen Boufford, Gloria De-Grandi Hoffman, Thomas Deeby, Holly McCready and Kevin Loeffelmann

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Degradation of Flumorph in Soils, Aqueous Buffer Solutions, and Natural Waters





Ji Ye Hu, Chang Liu and Hai Yan

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Evolution of Arsenate Toxicity in Nodulated White Lupine in a Long-Term Culture

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Effects of Different Cooking Methods on Antioxidant Profile, Antioxidant Capacity, and Physical Characteristics of Artichoke

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Rosalia Ferracane, Nicoletta Pellegrini, Attilio Visconti, Giulia Graziani, Emma Chiavaro, Cristiana Miglio and

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Molecular Structures of Gellan Gum Imaged with Atomic Force Microscopy in Relation to the Rheological Behavior in Aqueous Systems in the Presence or Absence of Various Cations

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Proteomic Analysis by Two-Dimensional Gel Electrophoresis and Starch Characterization of *Triticum turgidum* L. var. durum Cultivars for Pasta Making

Maria De Angelis, Fabio Minervini, Leonardo Caputo, Angela Cassone, Rossana Coda, Maria Piera Calasso,

Francesco Divella, Fabio Divella and Marco Gobetti

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Foam-Stabilizing Effects and Cling Formation Patterns of Iso- α -acids and Reduced Iso- α -acids in Lager Beer

Takeshi Kunimune and Thomas H. Shellhammer

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Influence of Mitochondria Origin on Fruit Quality in a Citrus Cybrid

Jean-Baptiste Bassene, Liliane Berti, Elodie Carcouet, Claudie Dhuique-Mayer, Anne-Laure Fanciullino, Jean

Bouffin, Patrick Ollitrault and Yann Froelicher

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Publication Date (Web): August 19, 2008 (Article)

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Selection and Use of Honey as an Antioxidant in a French Salad Dressing System

Carolyn N. Rasmussen, Xiao-Hong Wang, Sophia Leung, Lia M. Andrae-Nightingale, Shelly J. Schmidt and Nicki J.

Engeseth

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Protease Activity in Post-Mortem Red Swamp Crayfish (*Procambarus clarkii*) Muscle Stored in Modified Atmosphere Packaging

Gong Chen, Rodney P. Guttman, Youling L. Xiong, Carl D. Webster and Robert P. Romaine

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Novel Prediction Method of Beer Foam Stability Using Protein Z, Barley Dimeric α -Amylase Inhibitor-1 (BDAI-1) and Yeast Thioredoxin

Takashi Iimure, Kiyoshi Takoi, Takafumi Kaneko, Makoto Kihara, Katsuhiro Hayashi, Kazutoshi Ito, Kazuhiro Sato and Kazuyoshi Takeda

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Impact of Dry Solids and Bile Acid Concentrations on Bile Acid Binding Capacity of Extruded Oat Cereals





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Ethanol Effect on the Structure of β -Lactoglobulin B and Its Ligand Binding

Seyed Habib-Allah Mousavi, Jean-Marc Chobert, Abdol-Khalegh Bordbar and Thomas Haertle

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Publication Date (Web): August 27, 2008 (Article)

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Effects of Nitrogen Fertilization on the Phenolic Composition and Antioxidant Properties of Basil (*Ocimum basilicum* L.)

Phuong M. Nguyen and Emily D. Niemeyer

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Inhibition of Lactoperoxidase-Catalyzed 2,2'-Azino-bis(3-ethylbenzthiazoline-6-sulfonic acid) (ABTS) and Tyrosine Oxidation by Tyrosine-Containing Random Amino Acid Copolymers

Morten R. Clausen, Leif H. Skibsted and Jan Stagsted

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Consumption of Wonderful Variety Pomegranate Juice and Extract by Diabetic Patients Increases Paraoxonase 1 Association with High-Density Lipoprotein and Stimulates Its Catalytic Activities

Wasseem Rock, Mira Rosenblat, Rachel Miller-Lotan, Andrew P. Levy, Mazen Elias and Michael Aviram

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Publication Date (Web): August 30, 2008 (Article)

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Influence of Food Acidulants and Antioxidant Spices on the Bioaccessibility of β -Carotene from Selected Vegetables

Supriya Veda, Kalpana Platel and Krishnapura Srinivasan

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Katja Galešič, Urban Bren, Agata Kranjc and Janez Mavri

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A. Alzate, A. Fernández-Fernández, M. C. Pérez-Conde, A. M. Gutiérrez and C. Cámara

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Publication Date (Web): August 27, 2008 (Article)

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Composition and Chemopreventive Effect of Polysaccharides from Common Beans (*Phaseolus vulgaris* L.) on Azoxymethane-Induced Colon Cancer

Ana A. Feregrino-Pérez, Laura C. Berumen, Guadalupe García-Alcocer, Ramón G. Guevara-Gonzalez, Minerva Ramos-Gomez, Rosalía Reynoso-Camacho, Jorge A. Acosta-Gallegos and Guadalupe Loarca-Piña

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PI3K/AKT, JNK, and ERK Pathways Are Not Crucial for the Induction of Cholesterol Biosynthesis Gene Transcription in Intestinal Epithelial Cells Following Treatment with the Potato Glycoalkaloid α -Chaconine

Tafadzwa Mandimika, Hakan Baykus, Jenneke Poortman, Cutberto Garza, Harry Kuiper and Ad Peijnenburg

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Publication Date (Web): August 26, 2008 (Article)

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Acute Toxicity of High Doses of the Glycoalkaloids, α -Solanine and α -Chaconine, in the Syrian Golden Hamster

Søren Langkilde, Malene Schrøder, Derek Stewart, Otto Meyer, Sean Conner, Howard Davies and Morten Poulsen

pp 8753-8760

Publication Date (Web): August 19, 2008 (Article)

DOI: 10.1021/jf8012794

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