

ACS Publications: High Quality, High Impact

<http://pubs3.acs.org/acs/journals/toc.page?incoden=jafcau&indecade=0&involume=55&inissue=25>

- [ACS](#)
- [Journals](#)
- [C&EN](#)
- [CAS](#)



Journal of Agricultural and Food Chemistry

All ACS Journals

- [ACS Publications Home](#)
- [About Us](#)
- [Journals A–Z](#)
- [Advanced Article Search](#)
- [E-mail Alerts & RSS Feeds](#)
- [Help Center](#)
- [Cart](#)

[Select an ACS Publication](#)

JOURNALS

- [Accounts of Chemical Research](#)
- [ACS Chemical Biology](#)
- [ACS Nano](#)
- [Analytical Chemistry](#)
- [- I&EC Analytical Edition](#)
- [Biochemistry](#)
- [Bioconjugate Chemistry](#)
- [Biomacromolecules](#)
- [Biotechnology Progress](#)
- [Chemical Research in Toxicology](#)
- [Chemical Reviews](#)
- [Chemistry of Materials](#)
- [Crystal Growth & Design](#)

- [Energy & Fuels](#)
- [Environmental Science & Technology](#)
- [Ind. & Eng. Chemistry Research](#)
- [- Journal of I&EC](#)
- [- I&EC](#)
- [- I&EC Fundamentals](#)
- [- I&EC Process Design and Development](#)
- [- I&EC Product Design and Development](#)
- [Inorganic Chemistry](#)

- [J. of Agricultural and Food Chemistry](#)
- [J. of the American Chemical Society](#)
- [J. of Chemical & Engineering Data](#)
- [- I&EC Chem. and Eng. Data Series](#)
- [J. of Chemical Information and Modeling](#)
- [- J. of Chemical Documentation](#)
- [- J. of Chemical Inf. and Comput. Sci.](#)
- [J. of Chemical Theory and Computation](#)
- [J. of Combinatorial Chemistry](#)
- [J. of Medicinal Chemistry](#)
- [J. of Natural Products](#)
- [J. of Organic Chemistry](#)
- [J. of Physical Chemistry A](#)
- [J. of Physical Chemistry B](#)
- [J. of Physical Chemistry C](#)
- [- J. of Physical Chemistry](#)
- [J. of Proteome Research](#)
- [Langmuir](#)
- [Macromolecules](#)
- [Molecular Pharmaceutics](#)
- [Nano Letters](#)
- [Organic Letters](#)
- [Organic Process Research & Development](#)
- [Organometallics](#)

MAGAZINE

- [Chemical & Engineering News](#)

COMMUNITY WEBSITES

- [ACS Chemical Biology](#)
- [ACS Nanotation](#)

BOOKS

- [ACS Division Proceedings Online](#)
- [ACS Style Guide](#)
- [Reagent Chemicals](#)

DIRECTORIES & DATABASES

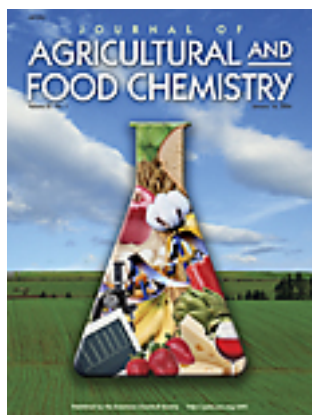
- [Chemical Abstracts Service \(CAS\)](#)
- [Directory of Graduate Research \(DGRweb\)](#)

SUPPLEMENTS

- [ChemChronicles I: Luminaries of the Chemical Sciences](#)
- [ChemChronicles II: Enterprise of the Chemical Sciences](#)
- [Chromatography](#)
- [The Pharmaceutical Century](#)
- [Made to Measure](#)

COMMITTEES

- [ACS Joint Board-Council Committee on Publications \(JBCCP\)](#)



JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY

Chemistry and biochemistry of agriculture and food along with safety, composition and processing; including feeds, pesticides, veterinary drugs, plant growth regulators, fertilizers, and other agrochemicals with their metabolism, toxicology, and environmental fate and the chemical processes involved in nutrition, phytonutrients, flavors, and aromas.

Editor: James N. Seiber | [Associate Editors](#)

Volume: 56, 24 issues

Browse Issues

Select Decade

Select Volume

Select Issue Number

[ASAP Articles](#) | [Previous Issue](#) | [Next Issue](#) |  [Printer-friendly version](#)

Table of Contents

Vol. 55, No. 25: December 12, 2007

Citation Management

[Learn More](#)

REVIEWS

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Onions: A Source of Unique Dietary Flavonoids

Rune Slimestad, Torgils Fossen, and Ingunn Molund Vågen

pp 10067 - 10080; (**Review**) DOI: [10.1021/jf0712503](https://doi.org/10.1021/jf0712503)

[Abstract](#) Full: [HTML](#) / [PDF](#) (209K)

ANALYTICAL METHODS

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Influence of Drying Methods and Agronomic Variables on the Chemical Composition of Mate Tea Leaves (*Ilex paraguariensis* A. St.-Hil) Obtained from High-Pressure CO₂ Extraction

Rosângela Assis Jacques, Laiza Canielas Krause, Lisiane dos Santos Freitas, Cláudio Dariva, J. Vladimir Oliveira, and Elina Bastos Caramão

pp 10081 - 10085; (**Article**) DOI: [10.1021/jf071544o](https://doi.org/10.1021/jf071544o)

[Abstract](#) Full: [HTML](#) / [PDF](#) (124K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Separation and Purification of Tricin from an Antioxidant Product Derived from Bamboo Leaves

Jingjing Jiao, Yu Zhang, Chengmei Liu, Jie'er Liu, Xiaoqin Wu, and Ying Zhang

pp 10086 - 10092; (**Article**) DOI: [10.1021/jf0716533](https://doi.org/10.1021/jf0716533)

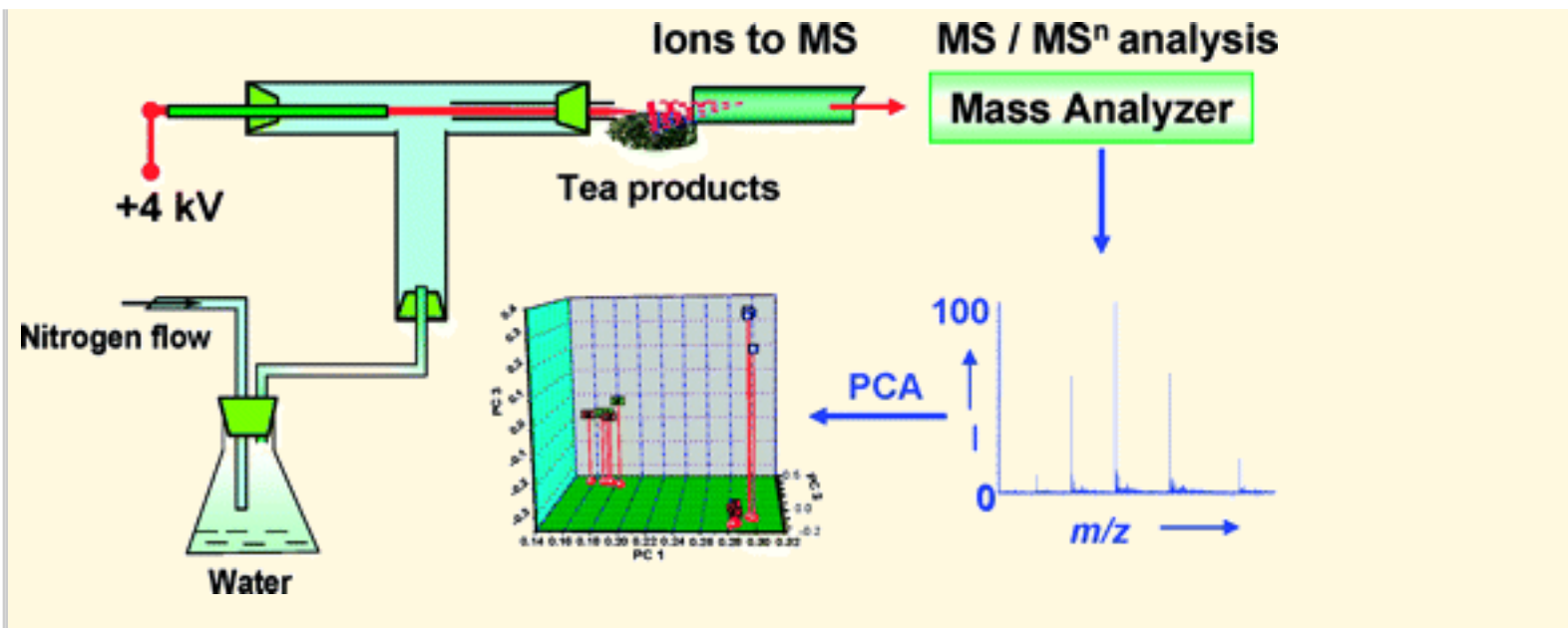
[Abstract](#) Full: [HTML](#) / [PDF](#) (146K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Rapid Differentiation of Tea Products by Surface Desorption Atmospheric Pressure Chemical Ionization Mass Spectrometry

Huanwen Chen, Huazheng Liang, Jianhua Ding, Jinhu Lai, Yanfu Huan, and Xiaolin Qiao

pp 10093 - 10100; (**Article**) DOI: [10.1021/jf0720234](https://doi.org/10.1021/jf0720234)



[Abstract](#) Full: [HTML](#) / [PDF](#) (763K) [Supporting Info](#)

Select Citation | [Feedback](#) | \$ [Purchase](#)

Separation and HPLC-MS Identification of Phenolic Antioxidants from Agricultural Residues: Almond Hulls and Grape Pomace

Mónica Rubilar, Manuel Pinelo, Carolina Shene, Jorge Sineiro, and María José Nuñez
pp 10101 - 10109; (Article) DOI: [10.1021/jf0721996](https://doi.org/10.1021/jf0721996)

[Abstract](#) Full: [HTML](#) / [PDF](#) (178K)

Select Citation | [Feedback](#) | \$ [Purchase](#)

Monitoring the Binding Processes of Black Tea Thearubigin to the Bovine Serum Albumin Surface Using Quartz Crystal Microbalance with Dissipation Monitoring

Monthana Chitpan, Xiaoyong Wang, Chi-Tang Ho, and Qingrong Huang
pp 10110 - 10116; (Article) DOI: [10.1021/jf072236t](https://doi.org/10.1021/jf072236t)

[Abstract](#) Full: [HTML](#) / [PDF](#) (179K)

Select Citation | [Feedback](#) | \$ [Purchase](#)

Release Kinetics of Volatile Organic Compounds from Roasted and Ground Coffee: Online Measurements by PTR-MS and Mathematical Modeling

Maria-L. Mateus, Christian Lindinger, Jean-C. Gummy, and Remy Liardon
pp 10117 - 10128; (Article) DOI: [10.1021/jf071901v](https://doi.org/10.1021/jf071901v)

[Abstract](#) Full: [HTML](#) / [PDF](#) (3467K)

Select Citation | [Feedback](#) | \$ [Purchase](#)

Online YPA₄ Resin Microcolumn Separation/Preconcentration Coupled with Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) for the Speciation Analysis of Mercury in Seafood
Chaomei Xiong and Bin Hu
pp 10129 - 10134; (Article) DOI: [10.1021/jf071979b](https://doi.org/10.1021/jf071979b)

[Abstract](#) Full: [HTML](#) / [PDF](#) (266K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Direct Detection of Residual Cyanide in Cassava Using Spectroscopic Techniques
Nsoki Phambu, Anderson Sunda Meya, Elie Beaudelaire Djantou, Esther Nzuzi Phambu, Pambu Kita-Phambu, and Lawrence M. Anovitz
pp 10135 - 10140; (Article) DOI: [10.1021/jf072046i](https://doi.org/10.1021/jf072046i)

[Abstract](#) Full: [HTML](#) / [PDF](#) (1560K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Doehlert Matrix Design for Optimization of the Determination of Bound Deoxynivalenol in Barley Grain with Trifluoroacetic Acid (TFA)
Bing Zhou, Yin Li, James Gillespie, Guo-Qing He, Richard Horsley, and Paul Schwarz
pp 10141 - 10149; (Article) DOI: [10.1021/jf0722957](https://doi.org/10.1021/jf0722957)

[Abstract](#) Full: [HTML](#) / [PDF](#) (1563K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Effect of Curcumin on Inflammation and Oxidative Stress in Cisplatin-Induced Experimental Nephrotoxicity
Anurag Kuhad, Sangeeta Pilkhwal, Sameer Sharma, Naveen Tirkey, and Kanwaljit Chopra
pp 10150 - 10155; (Article) DOI: [10.1021/jf0723965](https://doi.org/10.1021/jf0723965)

[Abstract](#) Full: [HTML](#) / [PDF](#) (798K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Isolation and Biochemical Characterization of an Antifungal Peptide from *Amaranthus hypochondriacus* Seeds
Lina A. Rivillas-Acevedo and Manuel Soriano-García
pp 10156 - 10161; (Article) DOI: [10.1021/jf072069x](https://doi.org/10.1021/jf072069x)

[Abstract](#) Full: [HTML](#) / [PDF](#) (506K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Inhibition on Human Liver Cytochrome P450 3A4 by Constituents of Fennel (*Foeniculum vulgare*): Identification and Characterization of a Mechanism-Based Inactivator
Subehan, Syed F. H. Zaidi, Shigetoshi Kadota, and Yasuhiro Tezuka
pp 10162 - 10167; (Article) DOI: [10.1021/jf0713253](https://doi.org/10.1021/jf0713253)

[Abstract](#) Full: [HTML](#) / [PDF](#) (177K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Changes in the Flavonoid and Phenolic Acid Contents and Antioxidant Activity of Red Leaf Lettuce (Lollo Rosso) Due to Cultivation under Plastic Films Varying in Ultraviolet Transparency
Paulina García-Macías, Matthew Ordidge, Eleni Vysini, Saran Waroonphan, Nicholas H. Battey, Michael H. Gordon, Paul Hadley, Philip John, Julie A. Lovegrove, and Alexandra Wagstaffe
pp 10168 - 10172; (Article) DOI: [10.1021/jf071570m](https://doi.org/10.1021/jf071570m)

[Abstract](#) Full: [HTML](#) / [PDF](#) (103K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Effects of Solid-State Yeast Treatment on the Antioxidant Properties and Protein and Fiber Compositions of Common Hard Wheat Bran
Jeffrey Moore, Zhihong Cheng, Junjie Hao, Gang Guo, Jian-Guo Liu, Chunjian Lin, and Liangli (Lucy) Yu
pp 10173 - 10182; (Article) DOI: [10.1021/jf071590o](https://doi.org/10.1021/jf071590o)

[Abstract](#) Full: [HTML](#) / [PDF](#) (392K) [Supporting Info](#)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Phenolic Acids from Plant Foods Can Increase or Decrease the Mutation Frequency to Antibiotic Resistance
Lucia Birošová, Mária Mikulášová, and Štefánia Vaverková
pp 10183 - 10186; (Article) DOI: [10.1021/jf072009r](https://doi.org/10.1021/jf072009r)

[Abstract](#) Full: [HTML](#) / [PDF](#) (150K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

New C-Deoxyhexosyl Flavones and Antioxidant Properties of *Passiflora edulis* Leaf Extract
Federico Ferreres, Carla Sousa, Patrícia Valentão, Paula B. Andrade, Rosa M. Seabra, and Ángel Gil-Izquierdo

pp 10187 - 10193; (Article) DOI: [10.1021/jf072119y](https://doi.org/10.1021/jf072119y)

[Abstract](#) Full: [HTML](#) / [PDF](#) (240K)

Select Citation | [Feedback](#) | [Purchase](#)

In Vivo Anti-influenza Virus Activity of an Immunomodulatory Acidic Polysaccharide Isolated from *Cordyceps militaris* Grown on Germinated Soybeans

Yuko Ohta, Jung-Bum Lee, Kyoko Hayashi, Akio Fujita, Dong Ki Park, and Toshimitsu Hayashi

pp 10194 - 10199; (Article) DOI: [10.1021/jf0721287](https://doi.org/10.1021/jf0721287)

[Abstract](#) Full: [HTML](#) / [PDF](#) (323K)

Select Citation | [Feedback](#) | [Purchase](#)

Chemical Characterization of Red Wine Grape (*Vitis vinifera* and *Vitis* Interspecific Hybrids) and Pomace Phenolic Extracts and Their Biological Activity against *Streptococcus mutans*

Joanne Thimothe, Illeme A. Bonsi, Olga I. Padilla-Zakour, and Hyun Koo

pp 10200 - 10207; (Article) DOI: [10.1021/jf0722405](https://doi.org/10.1021/jf0722405)

[Abstract](#) Full: [HTML](#) / [PDF](#) (176K)

Select Citation | [Feedback](#) | [Purchase](#)

Isolation, Identification, and Quantification of Roasted Coffee Antibacterial Compounds

Maria Daglia, Adele Papetti, Pietro Grisoli, Camilla Aceti, Valentina Spini, Cesare Dacarro, and Gabriella Gazzani

pp 10208 - 10213; (Article) DOI: [10.1021/jf0722607](https://doi.org/10.1021/jf0722607)

[Abstract](#) Full: [HTML](#) / [PDF](#) (128K)

Select Citation | [Feedback](#) | [Purchase](#)

Antiviral Activity of Esterified α -Lactalbumin and β -Lactoglobulin against Herpes Simplex Virus Type 1. Comparison with the Effect of Acyclovir and L-Polylysines

Mahmoud Sitohy, Sylviane Billaudel, Thomas Haertlé, and Jean-Marc Chobert

pp 10214 - 10220; (Article) DOI: [10.1021/jf0724421](https://doi.org/10.1021/jf0724421)

[Abstract](#) Full: [HTML](#) / [PDF](#) (181K)

Select Citation | [Feedback](#) | [Purchase](#)

Peptides Isolated from in Vitro Digests of Milk Enhance Iron Uptake by Caco-2 Cells
Konstantina Argyri, Dennis D. Miller, Raymond P. Glahn, Le Zhu, and Maria Kapsokefalou
pp 10221 - 10225; (**Article**) DOI: [10.1021/jf0727387](https://doi.org/10.1021/jf0727387)

[Abstract](#) Full: [HTML](#) / [PDF](#) (815K)

BIOTECHNOLOGY

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Quantification and Persistence of Recombinant DNA of Roundup Ready Corn and Soybean in Rotation

Sylvain Lerat, Robert H. Gulden, Miranda M. Hart, Jeff R. Powell, Laura S. England, K. Peter Pauls, Clarence J. Swanton, John N. Klironomos, and Jack T. Trevors
pp 10226 - 10231; (**Article**) DOI: [10.1021/jf072457z](https://doi.org/10.1021/jf072457z)

[Abstract](#) Full: [HTML](#) / [PDF](#) (125K)

CHEMICAL AND PHYSICAL CHANGES INDUCED BY PROCESSING/STORAGE

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Characterization of Polymeric Proteins from Vitreous and Floury Sorghum Endosperm

B. Ioerger, S. R. Bean, M. R. Tuinstra, J. F. Pedersen, J. Erpelding, K. M. Lee, and T. J. Herrman
pp 10232 - 10239; (**Article**) DOI: [10.1021/jf0716883](https://doi.org/10.1021/jf0716883)

[Abstract](#) Full: [HTML](#) / [PDF](#) (186K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Effect of Oil Marinades with Garlic, Onion, and Lemon Juice on the Formation of Heterocyclic Aromatic Amines in Fried Beef Patties

Monika Gibis
pp 10240 - 10247; (**Article**) DOI: [10.1021/jf071720t](https://doi.org/10.1021/jf071720t)

[Abstract](#) Full: [HTML](#) / [PDF](#) (675K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Processing of Novel Elevated Amylose Wheats: Functional Properties and Starch Digestibility of Extruded Products

Hélène Chanvrier, Ingrid A. M. Appelqvist, Anthony R. Bird, Elliot Gilbert, Aung Htoon, Zhongyi Li, Peter J. Lillford, Amparo Lopez-Rubio, Matthew K. Morell, and David L. Topping
pp 10248 - 10257; (**Article**) DOI: [10.1021/jf0718650](https://doi.org/10.1021/jf0718650)

[Abstract](#) Full: [HTML](#) / [PDF](#) (1684K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Crystallization Behavior and Texture of Trans-Containing and Trans-Free Palm Oil Based Confectionery Fats

Veerle De Graef, Imogen Foubert, Kevin W. Smith, Fred W. Cain, and Koen Dewettinck
pp 10258 - 10265; (**Article**) DOI: [10.1021/jf071967q](https://doi.org/10.1021/jf071967q)

[Abstract](#) Full: [HTML](#) / [PDF](#) (548K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Improving Knowledge of Garlic Paste Greening through the Design of an Experimental Strategy

Miguel Aguilar and Francisco Rincón
pp 10266 - 10274; (**Article**) DOI: [10.1021/jf072075t](https://doi.org/10.1021/jf072075t)

[Abstract](#) Full: [HTML](#) / [PDF](#) (330K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Total Chemically Available (Free and Intrachain) Lysine and Furosine in Pea, Bean, and Lentil Sprouts

Carmen Rodríguez, Juana Frías, Concepción Vidal-Valverde, and Amelia Hernández
pp 10275 - 10280; (**Article**) DOI: [10.1021/jf072076l](https://doi.org/10.1021/jf072076l)

[Abstract](#) Full: [HTML](#) / [PDF](#) (104K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Effect of Skin Contact and Pressure on the Composition of Sauvignon Blanc Must

Manu Maggu, Robert Winz, Paul A. Kilmartin, Michael C. T. Trought, and Laura Nicolau
pp 10281 - 10288; (**Article**) DOI: [10.1021/jf072192o](https://doi.org/10.1021/jf072192o)

[Abstract](#) Full: [HTML](#) / [PDF](#) (368K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

COMPOSITION OF FOODS/FEEDS

Novel Galactolipids from the Leaves of *Ipomoea batatas* L.: Characterization by Liquid Chromatography Coupled with Electrospray Ionization–Quadrupole Time-of-Flight Tandem Mass Spectrometry

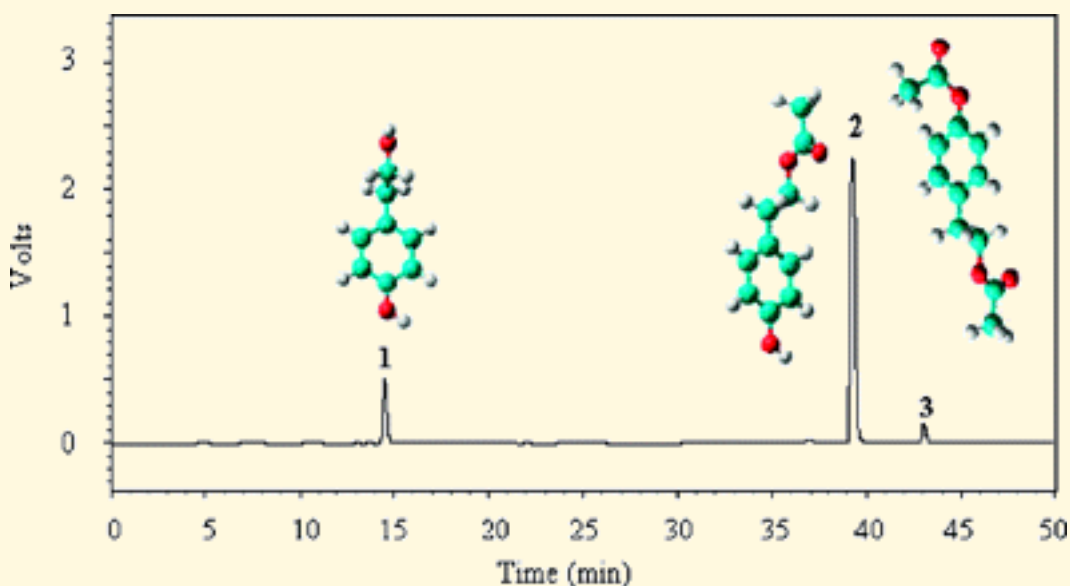
Assunta Napolitano, Virginia Carbone, Paola Saggese, Kinya Takagaki, and Cosimo Pizza
pp 10289 - 10297; (Article) DOI: [10.1021/jf071331z](https://doi.org/10.1021/jf071331z)

[Abstract](#) Full: [HTML](#) / [PDF](#) (244K)

Select Citation | [Feedback](#) | [Purchase](#)

Optimization of Lipase-Catalyzed Synthesis of Acetylated Tyrosol by Response Surface Methodology

Imen Aissa, Mohamed Bouaziz, Hanen Ghamgui, Amel Kamoun, Nabil Miled, Sami Sayadi, and Youssef Gargouri
pp 10298 - 10305; (Article) DOI: [10.1021/jf071685q](https://doi.org/10.1021/jf071685q)



[Abstract](#) Full: [HTML](#) / [PDF](#) (1353K)

Select Citation | [Feedback](#) | [Purchase](#)

Effects of Increased Nitrogen Supply on the Lignification of Poplar Wood

Frederic E. Pitre, Brigitte Pollet, Florian Lafarguette, Janice E. K. Cooke, John J. MacKay, and Catherine Lapierre
pp 10306 - 10314; (Article) DOI: [10.1021/jf071611e](https://doi.org/10.1021/jf071611e)

[Abstract](#) Full: [HTML](#) / [PDF](#) (505K)

Select Citation | [Feedback](#) | [Purchase](#)

CROP AND ANIMAL PROTECTION

Priming of Antimicrobial Phenolics During Induced Resistance Response Towards *Pectobacterium carotovorum* in the Ornamental Monocot Calla Lily

Tal Luzzatto, Avner Golan, Moran Yishay, Itshak Bilkis, Julius Ben-Ari, and Iris Yedidia

pp 10315 - 10322; (Article) DOI: [10.1021/jf072037+](https://doi.org/10.1021/jf072037+)

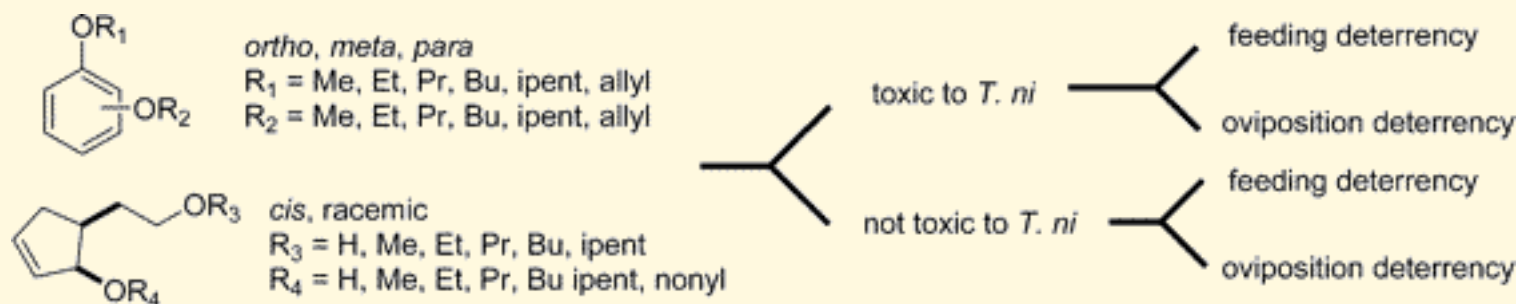
[Abstract](#) Full: [HTML](#) / [PDF](#) (1157K)

Select Citation | [Feedback](#) | [Purchase](#)

Screening of Dialkoxybenzenes and Disubstituted Cyclopentene Derivatives against the Cabbage Looper, *Trichoplusia ni*, for the Discovery of New Feeding and Oviposition Deterrents

Yasmin Akhtar, Murray B. Isman, Peggy M. Paduraru, Srinivas Nagabandi, Ranjeet Nair, and Erika Plettner

pp 10323 - 10330; (Article) DOI: [10.1021/jf071636d](https://doi.org/10.1021/jf071636d)



[Abstract](#) Full: [HTML](#) / [PDF](#) (184K)

Select Citation | [Feedback](#) | [Purchase](#)

Synthetic Pyrazole Derivatives as Growth Inhibitors of Some Phytopathogenic Fungi

Chiara B. Vicentini, Carlo Romagnoli, Elisa Andreotti, and Donatella Mares

pp 10331 - 10338; (Article) DOI: [10.1021/jf072077d](https://doi.org/10.1021/jf072077d)

[Abstract](#) Full: [HTML](#) / [PDF](#) (267K)

Select Citation | [Feedback](#) | [Purchase](#)

Enantioselective Analysis of Secondary Alcohols and Their Esters in Purple and Yellow Passion Fruits

Hedwig Strohm, Márta Dregus, Astrid Wahl, and Karl-Heinz Engel

pp 10339 - 10344; (Article) DOI: [10.1021/jf072464n](https://doi.org/10.1021/jf072464n)

[Abstract](#) Full: [HTML](#) / [PDF](#) (137K)

FLAVORS AND AROMAS

FOOD CHEMISTRY/BIOCHEMISTRY

Select Citation |  [Feedback](#) | \$ [Purchase](#)

One-Solvent Extraction of Astaxanthin from Lactic Acid Fermented Shrimp Wastes

Miquel Gimeno, Jessica Yesemite Ramírez-Hernández, César Martínez-Ibarra, Neith Pacheco, Roeb García-Arrazola, Eduardo Bárzana, and Keiko Shirai
pp 10345 - 10350; (**Article**) DOI: [10.1021/jf071469h](https://doi.org/10.1021/jf071469h)

[Abstract](#) Full: [HTML](#) / [PDF](#) (306K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Impact of Toasting Oak Barrels on the Presence of Polycyclic Aromatic Hydrocarbons in Wine

Pascal Chatonnet and Julien Escobessa
pp 10351 - 10358; (**Article**) DOI: [10.1021/jf071665o](https://doi.org/10.1021/jf071665o)

[Abstract](#) Full: [HTML](#) / [PDF](#) (319K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Inhibitory Effect of Fruit Extracts on the Formation of Heterocyclic Amines

Ka-Wing Cheng, Qingli Wu, Zong Ping Zheng, Xiaofang Peng, James E. Simon, Feng Chen, and Mingfu Wang
pp 10359 - 10365; (**Article**) DOI: [10.1021/jf071820z](https://doi.org/10.1021/jf071820z)

[Abstract](#) Full: [HTML](#) / [PDF](#) (148K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Effect of Methyl Jasmonate on Phenolic Compounds and Carotenoids of Romaine Lettuce (*Lactuca sativa* L.)

Hyun-Jin Kim, Jorge M. Fonseca, Ju-Hee Choi, and Chieri Kubota
pp 10366 - 10372; (**Article**) DOI: [10.1021/jf071927m](https://doi.org/10.1021/jf071927m)

[Abstract](#) Full: [HTML](#) / [PDF](#) (164K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

N^α-(1-Deoxy-D-fructos-1-yl)-L-histidine (“D-Fructose-L-histidine”): a Potent Copper Chelator from Tomato Powder

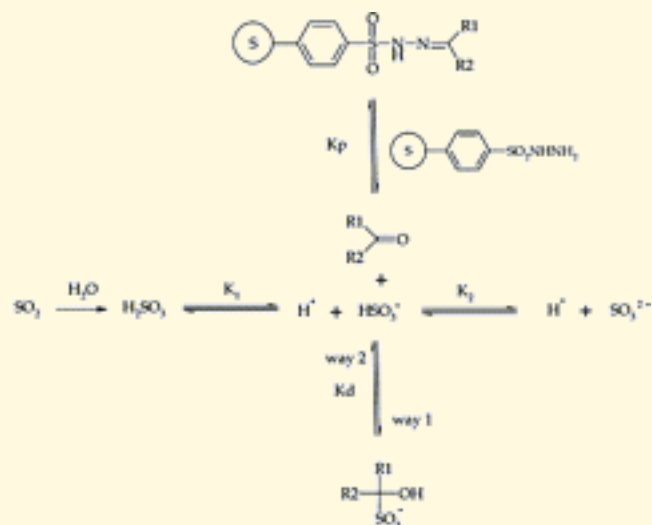
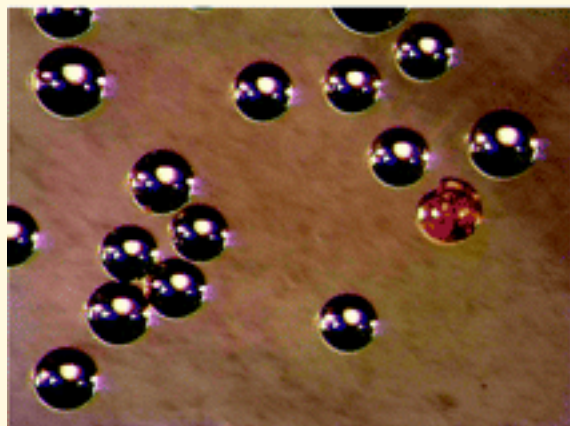
Valeri V. Mossine and Thomas P. Mawhinney
pp 10373 - 10381; (**Article**) DOI: [10.1021/jf072092i](https://doi.org/10.1021/jf072092i)

[Abstract](#) Full: [HTML](#) / [PDF](#) (224K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

New Methodology for Removing Carbonyl Compounds from Sweet Wines

Mélanie Blasi, Jean-Christophe Barbe, Bernard Maillard, Denis Dubourdieu, and Hervé Deleuze
pp 10382 - 10387; (Article) DOI: [10.1021/jf072130y](https://doi.org/10.1021/jf072130y)



[Abstract](#) Full: [HTML](#) / [PDF](#) (169K)

Select Citation | [Feedback](#) | [Purchase](#)

Novel Preparation Method of Template DNAs from Wine for PCR To Differentiate Grape (*Vitis vinifera* L.) Cultivar

Sumiko Nakamura, Kazutomo Haraguchi, Nobuhito Mitani, and Ken'ichi Ohtsubo
pp 10388 - 10395; (Article) DOI: [10.1021/jf072407u](https://doi.org/10.1021/jf072407u)

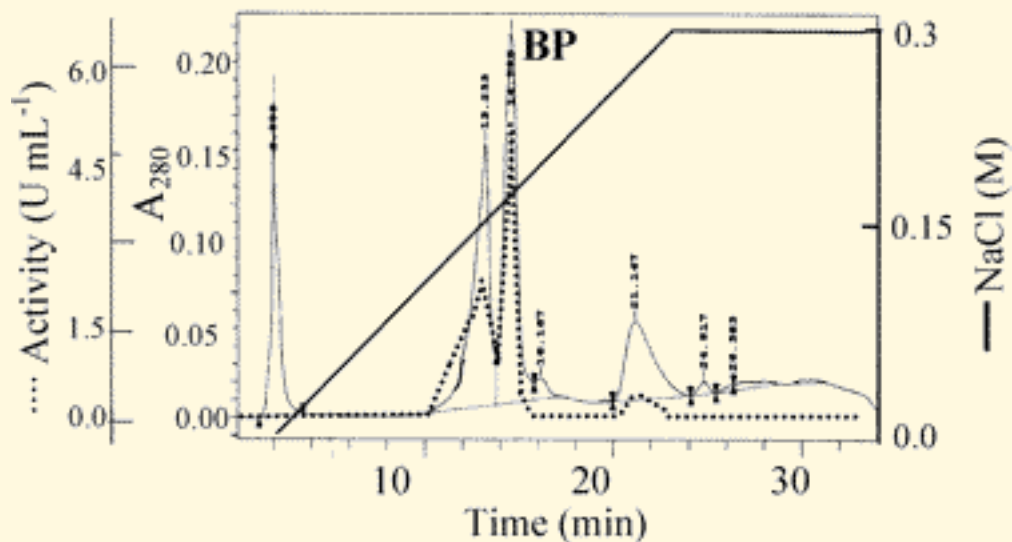
[Abstract](#) Full: [HTML](#) / [PDF](#) (1142K)

Select Citation | [Feedback](#) | [Purchase](#)

Broccoli Processing Wastes as a Source of Peroxidase

Miguel A. Duarte-Vázquez, Sandra García-Padilla, Blanca E. García-Almendárez, John R. Whitaker, and Carlos Regalado

pp 10396 - 10404; (Article) DOI: [10.1021/jf072486+](https://doi.org/10.1021/jf072486+)



[Abstract](#) Full: [HTML](#) / [PDF](#) (375K)

Select Citation | [Feedback](#) | [Purchase](#)

Pomegranate Oil Analysis with Emphasis on MALDI-TOF/MS Triacylglycerol Fingerprinting

Maya Kaufman and Zeev Wiesman

pp 10405 - 10413; (Article) DOI: [10.1021/jf072741q](https://doi.org/10.1021/jf072741q)

[Abstract](#) Full: [HTML](#) / [PDF](#) (358K)

Select Citation | [Feedback](#) | [Purchase](#)

Characterization of Cyanidin- and Quercetin-Derived Flavonoids and Other Phenolics in Mature Saskatoon Fruits (*Amelanchier alnifolia* Nutt.)

Jocelyn A. Ozga, Asma Saeed, Wendy Wismer, and Dennis M. Reinecke

pp 10414 - 10424; (Article) DOI: [10.1021/jf072949b](https://doi.org/10.1021/jf072949b)

[Abstract](#) Full: [HTML](#) / [PDF](#) (231K)

Select Citation | [Feedback](#) | [Purchase](#)

Interfacial Interactions of Pectin with Bovine Serum Albumin Studied by Quartz Crystal Microbalance with Dissipation Monitoring: Effect of Ionic Strength

Xiaoyong Wang, Chada Ruengruglikit, Yu-Wen Wang, and Qingrong Huang

pp 10425 - 10431; (Article) DOI: [10.1021/jf071714x](https://doi.org/10.1021/jf071714x)

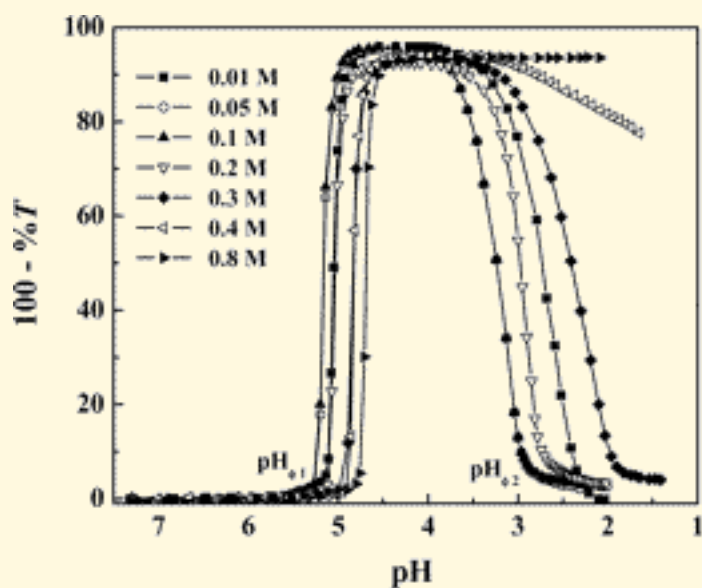
[Abstract](#) Full: [HTML](#) / [PDF](#) (177K)

Select Citation | [Feedback](#) | [Purchase](#)

Effects of Salt Concentration on Formation and Dissociation of β -Lactoglobulin/Pectin Complexes

Xiaoyong Wang, Yu-Wen Wang, Chada Ruengruglikit, and Qingrong Huang

pp 10432 - 10436; (Article) DOI: [10.1021/jf071787g](https://doi.org/10.1021/jf071787g)



[Abstract](#) Full: [HTML](#) / [PDF](#) (687K) [Supporting Info](#)

Select Citation | [Feedback](#) | [Purchase](#)

Protective Effects of Berberine against Low-Density Lipoprotein (LDL) Oxidation and Oxidized LDL-Induced Cytotoxicity on Endothelial Cells

Yih-Shou Hsieh, Wu-Hsien Kuo, Ta-Wei Lin, Horng-Rong Chang, Teseng-His Lin, Pei-Ni Chen, and Shu-Chen Chu

pp 10437 - 10445; (Article) DOI: [10.1021/jf071868c](https://doi.org/10.1021/jf071868c)

[Abstract](#) Full: [HTML](#) / [PDF](#) (1358K)

Select Citation | [Feedback](#) | [Purchase](#)

Partial Purification of Latent Polyphenol Oxidase from Peach (*Prunus persica* L. Cv. Catherina). Molecular Properties and Kinetic Characterization of Soluble and Membrane-Bound Forms

Juana Cabanes, Josefa Escribano, Fernando Gandía-Herrero, Francisco García-Carmona, and Mercedes Jiménez-Atiénzar

pp 10446 - 10451; (Article) DOI: [10.1021/jf072165y](https://doi.org/10.1021/jf072165y)

[Abstract](#) Full: [HTML](#) / [PDF](#) (366K)

Select Citation | [Feedback](#) | [Purchase](#)

Dimeric Inhibitors of Human Salivary α -Amylase from Emmer (*Triticum dicoccon* Schrank) Seeds
Debora Fontanini, Antonella Capocchi, Vera Muccilli, Franco Saviozzi, Vincenzo Cunsolo, Rosaria Saletti, Salvatore Foti, and Luciano Galleschi

pp 10452 - 10460; (Article) DOI: [10.1021/jf071739w](https://doi.org/10.1021/jf071739w)

[Abstract](#) Full: [HTML](#) / [PDF](#) (961K) [Supporting Info](#)

MOLECULAR NUTRITION

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Hypolipidemic Effect of Oils with Balanced Amounts of Fatty Acids Obtained by Blending and Interesterification of Coconut Oil with Rice Bran Oil or Sesame Oil

Malongil B. Reena and Belur R. Lokesh

pp 10461 - 10469; (Article) DOI: [10.1021/jf0718042](https://doi.org/10.1021/jf0718042)

[Abstract](#) Full: [HTML](#) / [PDF](#) (131K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Nutritional and Toxicological Importance of Macro, Trace, and Ultra-Trace Elements in Algae Food Products

Christine Dawczynski, Ulrich Schäfer, Matthias Leiterer, and Gerhard Jahreis

pp 10470 - 10475; (Article) DOI: [10.1021/jf0721500](https://doi.org/10.1021/jf0721500)

[Abstract](#) Full: [HTML](#) / [PDF](#) (110K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

Iberian Pig as a Model To Clarify Obscure Points in the Bioavailability and Metabolism of Ellagitannins in Humans

Juan Carlos Espín, Rocío González-Barrio, Begoña Cerdá, Clemente López-Bote, Ana I. Rey, and Francisco A. Tomás-Barberán

pp 10476 - 10485; (Article) DOI: [10.1021/jf0723864](https://doi.org/10.1021/jf0723864)

[Abstract](#) Full: [HTML](#) / [PDF](#) (236K)

Select Citation |  [Feedback](#) | \$ [Purchase](#)

3-(4'-Hydroxyl-3',5'-dimethoxyphenyl)propionic Acid, an Active Principle of Kimchi, Inhibits Development of Atherosclerosis in Rabbits

Hyun Ju Kim, Jin Su Lee, Hae Young Chung, Su Hee Song, Hongsuk Suh, Jung Sook Noh, and Yeong Ok Song

pp 10486 - 10492; (Article) DOI: [10.1021/jf072454m](https://doi.org/10.1021/jf072454m)

[Abstract](#) Full: [HTML](#) / [PDF](#) (797K)

Select Citation | [Feedback](#) | [Purchase](#)

Residue Depletion of Cefquinome in Swine Tissues after Intramuscular Administration

Xiaoguang Zhang, Jiancheng Li, Haiyang Jiang, and Jianzhong Shen

pp 10493 - 10498; (Article) DOI: [10.1021/jf0719860](https://doi.org/10.1021/jf0719860)

[Abstract](#) Full: [HTML](#) / [PDF](#) (725K)

Select Citation | [Feedback](#) | [Purchase](#)

Natural Occurrence of Ochratoxin A and Antioxidant Activities of Green and Roasted Coffees and Corresponding Byproducts

Aurora Napolitano, Vincenzo Fogliano, Alessio Tafuri, and Alberto Ritieni

pp 10499 - 10504; (Article) DOI: [10.1021/jf071959+](https://doi.org/10.1021/jf071959+)

[Abstract](#) Full: [HTML](#) / [PDF](#) (232K)

Citation Management

[Learn More](#)

[Return to Top](#)

ACS Publications

[Home](#) | [ACS Journals A-Z](#) | [Chemical & Engineering News](#) | [E-mail Alerts/RSS Feeds](#)

Customer Services

[Member Services](#) | [Librarian Resource Center](#) | [Customer Service](#) | [Technical Support](#) | [Sitemap](#)

American Chemical Society

[Home](#) | [Membership](#) | [Technical Divisions](#) | [Meetings](#) | [Careers](#) | [Chemical Abstracts Service](#)

Copyright © 2008 American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036

Journal of Agricultural and Food Chemistry

- [Home Page](#)
- [Most-Accessed Articles](#)
- [Supporting Information](#)
- [JAFc In the News](#)
- [Sample Issue](#)
- [Author Index](#)
- [Masthead \[PDF\]](#)
- [About the Journal](#)

Authors / Reviewers


- [ACS Paragon Plus Environment](#)
- [Ethical Guidelines](#)
- [Info for Authors](#)
- [Submit a Manuscript](#)
- [Info for Reviewers](#)
- [Submit a Review](#)
- [Copyright/Permissions](#)

Institutions

- [Subscription Info](#)
- [Librarian Resource Center](#)
- [LiveWire Newsletter](#)
- [ACS Legacy Archives](#)

ACS Publications

- [Home Page](#)
- [ACS Journals A–Z](#)

- [Advanced Search](#)
- [E-mail Alerts & RSS Feeds](#) 
- [C&EN](#)
- [Chemjobs](#)
- [ACS Books](#)

ACS Members

- [Subscription Info](#)
- [Recommend ACS Journals to Your Library \[PDF\]](#)
- [Join ACS](#)