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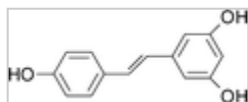


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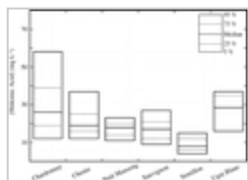
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Improving Digestibility of Soy Flour by Reducing Disulfide Bonds with Thioredoxin


Richard J. Faris, Hui Wang and Tong Wang

pp 7146-7150

Publication Date (Web): July 16, 2008 ([Article](#))

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Antioxidant Activity of Oregano, Parsley, and Olive Mill Wastewaters in Bulk Oils and Oil-in-Water Emulsions Enriched in Fish Oil

D. Jimenez-Alvarez, F. Giuffrida, P. A. Golay, C. Cotting, A. Lardeau and Brendan J. Keely

pp 7151-7159

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Effects of Cationic Species on Visual Color Formation in Model Maillard Reactions of Pentose Sugars and Amino Acids





George P. Rizzi

pp 7160-7164

Publication Date (Web): July 9, 2008 ([Article](#))

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Total Phenolics, Phenolic Acids, Isoflavones, and Anthocyanins and Antioxidant Properties of Yellow and Black Soybeans As Affected by Thermal Processing





Baojun Xu and Sam K. C. Chang

pp 7165-7175

Publication Date (Web): August 5, 2008 ([Article](#))

DOI: 10.1021/jf8012234

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Use of Glutaraldehyde and Benzalkonium Chloride for Minimizing Post-Harvest Physio-Chemical and Microbial Changes Responsible for Sucrose Losses in Sugar Cane





Pushpa Singh, Namita Arya, Priyanka Tiwari, Archana Suman, R. K. Rai, A. K. Shrivastava and S. Solomon

pp 7176-7183

Publication Date (Web): July 29, 2008 ([Article](#))

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Detection of γ -Irradiated Sesame Seeds before and after Roasting by Analyzing Photostimulated Luminescence, Thermoluminescence, and Electron Spin Resonance





Jeongeun Lee, Tusneem Kausar, Byeong-Keun Kim and Joong-Ho Kwon

pp 7184-7188

Publication Date (Web): July 26, 2008 ([Article](#))

DOI: 10.1021/jf801416r

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Stimulation of γ -Aminobutyric Acid Production in Vine-Ripe Tomato (*Lycopersicon esculentum* Mill.) Fruits under Modified Atmospheres

Yoshio Makino, Norikazu Soga, Seiichi Oshita, Yoshinori Kawagoe and Atsushi Tanaka

pp 7189-7193

Publication Date (Web): August 1, 2008 ([Article](#))

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Antioxidant Activity of Minimally Processed Red Chicory (*Cichorium intybus* L.) Evaluated in Xanthine Oxidase-, Myeloperoxidase-, and Diaphorase-Catalyzed Reactions

Vera Lavelli

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Publication Date (Web): August 5, 2008 ([Article](#))

DOI: 10.1021/jf801913v

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Water Distribution and Microstructure in Enhanced Pork

Hanne Christine Bertram, Rikke L. Meyer, Zhiyun Wu, Xingfei Zhou and Henrik J. Andersen

pp 7201-7207

Publication Date (Web): July 19, 2008 ([Article](#))

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Chemical Composition of Foods/Feeds

Identification of the Production Chain of Asiago d'Allevo Cheese by Nuclear Magnetic Resonance Spectroscopy and Principal Component Analysis

Elisabetta Schievano, Gabriella Pasini, Giulio Cozzi and Stefano Mammi

pp 7208-7214

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Induction and Identification of a Small-Granule, High-Amylose Mutant in Cassava (*Manihot esculenta* Crantz)


Hernán Ceballos, Teresa Sánchez, Kay Denyer, Adriana P. Tofiño, Elvia A. Rosero, Dominique Dufour, Alison Smith, Nelson Morante, Juan C. Pérez and Brendan Fahy

pp 7215-7222

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 Microbiological and Chemical Characterization of a Typical Italian Cheese: Robiola di Roccaverano

Silvia Bonetta, Jean Daniel Coisson, Daniela Barile, Sara Bonetta, Fabiano Travaglia, Gianluca Piana, Elisabetta Carraro and Marco Arlorio

pp 7223-7230

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 Solid-Liquid Transfer of Biophenols from Olive Leaves for the Enrichment of Edible Oils by a Dynamic Ultrasound-Assisted Approach

Rafael Japón-Luján, Patricia Janeiro and María Dolores Luque de Castro

pp 7231-7235

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 Alkylresorcinols in Selected Polish Rye and Wheat Cereals and Whole-Grain Cereal Products

Mariola Kulawinek, Anna Jaromin, Arkadiusz Kozubek and Robert Zarnowski

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Influence of Different Dietary Doses of n-3- or n-6-Rich Vegetable Fats and α -Tocopheryl Acetate Supplementation on Raw and Cooked Rabbit Meat Composition and Oxidative Stability

Alba Tres, Ricard Bou, Rafael Codony and Francesc Guardiola

pp 7243-7253

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Variation of the Chemical Profile and Antioxidant Behavior of *Rosmarinus officinalis* L. and *Salvia fruticosa* Miller Grown in Greece

Vassiliki Papageorgiou, Chryssavgi Gardeli, Athanasios Mallouchos, Marina Papaioannou and Michael Komaitis

pp 7254-7264

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Phenolic Compound Concentration and Antioxidant Activities of Edible and Medicinal Mushrooms from Korea




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Analysis of Sugars in Chinese Rice Wine by Fourier Transform Near-Infrared Spectroscopy with Partial Least-Squares Regression

Xiaoying Niu, Fei Shen, Yanfei Yu, Zhanke Yan, Kai Xu, Haiyan Yu and Yibin Ying

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Metal Content and Physicochemical Parameters Used as Quality Criteria in Virgin Argan Oil: Influence of the Extraction Method

Rocio Marfil, Carmen Cabrera-Vique, Rafael Giménez, Paula R. Bouzas, Olga Martínez and Jose Antonio Sánchez

pp 7279-7284

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Arda Serpen, Vural Gökmen, Alptekin Karagöz and Hamit Köksel

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Ana M. Sánchez, Manuel Carmona, Marin Prodanov and Gonzalo L. Alonso

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Atsushi Yamamoto, Mio Kawai, Toshio Miwa, Tomoyasu Tsukamoto, Shuji Kodama and Kazuichi Hayakawa

pp 7302-7304

Publication Date (Web): July 18, 2008 (Article)**DOI:** 10.1021/jf801053y[Abstract](#)

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Isolation and Structure of Whiskey Polyphenols Produced by Oxidation of Oak Wood Ellagitannins





Miho Fujieda, Takashi Tanaka, Yoshihide Suwa, Seiichi Koshimizu and Isao Kouno

pp 7305-7310

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Phytoestrogen Content of Beverages, Nuts, Seeds, and Oils

Gunter G. C. Kuhnle, Caterina Dell'Aquila, Sue M. Aspinall, Shirley A. Runswick, Angela A. Mulligan and Sheila A.





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Crop and Animal Protection Chemistry

Nematicidal Activity of Plant Essential Oils and Components from Coriander (*Coriandrum sativum*), Oriental Sweetgum (*Liquidambar orientalis*), and Valerian (*Valeriana wallichii*) Essential Oils against Pine Wood Nematode (*Bursaphelenchus xylophilus*)





Junheon Kim, Sun-Mi Seo, Sang-Gil Lee, Sang-Chul Shin and Il-Kwon Park

pp 7316-7320

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Synthesis and Antifungal Activities of Novel 5-Amino-6-arylamino- 1*H*-pyrazolo[3,4-*d*]pyrimidin-4(5*H*)-one Derivatives

Hong-Qing Wang, Wei-Ping Zhou, Yu-Yuan Wang and Can-Rong Lin

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Synthesis, Crystal Structure, and Insecticidal Activity of Novel *N*-Alkyloxyoxalyl Derivatives of 2-Arylpyrrole

Yu Zhao, Chunhui Mao, Yongqiang Li, Pengxiang Zhang, Zhiqiang Huang, Fuchun Bi, Runqiu Huang and Qingmin Wang

pp 7326-7332

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Environmental Chemistry

Sequential Solar Photo-Fenton-Biological System for the Treatment of Winery Wastewaters

R. Mosteo, J. Sarasa, Maria P. Ormad and J. L. Ovelleiro

pp 7333-7338

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Effect of Different Wood Pretreatments on the Sorption-Desorption of Linuron and Metalaxyl by Woods

M. Sonia Rodríguez-Cruz, M. Soledad Andrades, A. María Parada and M. Jesús Sánchez-Martín

pp 7339-7346

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Influence of Fulvic Acids and Copper Ions on Thiram Determination in Water





O. M. S. Filipe, M. M. Vidal, A. C. Duarte and E. B. H. Santos

[Abstract](#)

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Publication Date (Web): July 23, 2008 ([Article](#))

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Photodegradation of the Acaricide Abamectin: A Kinetic Study

Juan Pablo Escalada, José Gianotti, Adriana Pajares, Walter A. Massad, Francisco Amat-Guerri and Norman A. García

pp 7355-7359

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Interactions of Three s-Triazines with Humic Acids of Different Structure

Giuseppe Celano, Daniela Šmejkalová, Riccardo Spaccini and Alessandro Piccolo

pp 7360-7366

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Transformation Kinetics and Mechanism of the Sulfonylurea Herbicides Pyrazosulfuron Ethyl and Halosulfuron Methyl in Aqueous Solutions

Wei Zheng, Scott R. Yates and Sharon K. Papiernik

pp 7367-7372


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Determination of Methyl Isothiocyanate in Air Downwind of Fields Treated with Metam-Sodium by Subsurface Drip Irrigation



James E. Woodrow, James N. Seiber, James S. LeNoir and Robert I. Krieger

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Publication Date (Web): August 5, 2008 ([Article](#))

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Flavors and Aromas/Chemosensory Perception

Smoke-Derived Taint in Wine: The Release of Smoke-Derived Volatile Phenols during Fermentation of Merlot Juice following Grapevine Exposure to Smoke





Kristen R. Kennison, Mark R. Gibberd, Alan P. Pollnitz and Kerry L. Wilkinson

pp 7379-7383

Publication Date (Web): August 5, 2008 ([Article](#))

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Evaluation of the Umami Taste Intensity of Green Tea by a Taste Sensor





Nobuyuki Hayashi, Roggang Chen, Hidekazu Ikezaki and Tomomi Ujihara

pp 7384-7387

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Volatile Organic Nitrogen-Containing Constituents in Ambrette Seed *Abelmoschus moschatus* Medik (Malvaceae)





Zhizhi Du, Robin A. Clery and Christopher J. Hammond

pp 7388-7392

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Differences in Odor-Active Compounds of Trincadeira Wines Obtained from Five Different

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Clones

Goreti Botelho, Arlete Mendes-Faia and Maria Cristina Clímaco

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Biosynthetic Mechanism of 2-Acetyl-1-pyrroline and Its Relationship with Δ^1 -Pyrroline-5-carboxylic Acid and Methylglyoxal in Aromatic Rice (*Oryza sativa* L.) Callus





Tzou-Chi Huang, Chia-Shih Teng, Jia-Lin Chang, Hui-Su Chuang, Chi-Tang Ho and Mei-Li Wu

pp 7399-7404

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Formation of 2,5-Dimethyl-4-hydroxy-3(2H)-furanone through Methylglyoxal: A Maillard Reaction Intermediate





Yu Wang and Chi-Tang Ho

pp 7405-7409

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Food Chemistry/Biochemistry

Mango Starch Degradation. I. A Microscopic View of the Granule during Ripening





Renata Antoun Simão, Ana Paula Fioravante Bernardes Silva, Fernanda Helena Gonçalves Peroni, João Roberto Oliveira do Nascimento, Ricardo Pereira Louro, Franco Maria Lajolo and Beatriz Rosana Cordenunsi

pp 7410-7415

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Mango Starch Degradation. II. The Binding of α -Amylase and β -Amylase to the Starch Granule





[Abstract](#)

Fernanda Helena Gonçalves Peroni, Claudia Koike, Ricardo Pereira Louro, Eduardo Purgatto, João Roberto Oliveira do Nascimento, Franco Maria Lajolo and Beatriz Rosana Cordenunsi

pp 7416-7421

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Biochemical Profiling and Chemometric Analysis of Seventeen UK-Grown Black Currant Cultivars





[Abstract](#)

Jordi Giné Bordonaba and Leon A. Terry

pp 7422-7430

Publication Date (Web): July 19, 2008 ([Article](#))

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Extraction of up to 95% of Wheat (*Triticum aestivum*) Flour Protein Using Warm Sodium Dodecyl Sulfate (SDS) without Reduction or Sonication





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Frances M. DuPont, Vitalie Samoil and Ronald Chan

pp 7431-7438

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Development of a Rapid Method for the Sequential Extraction and Subsequent Quantification of Fatty Acids and Sugars from Avocado Mesocarp Tissue





[Abstract](#)

Marjolaine D. Meyer and Leon A. Terry

pp 7439-7445

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Size-Dependent Lipid Content in Human Milk Fat Globules

[Abstract](#)

Nurit Argov, Sebastian Wachsmann-Hogiu, Samara L. Freeman, Thomas Huser, Carlito B. Lebrilla and J. Bruce

German

pp 7446-7450

Publication Date (Web): July 26, 2008 ([Article](#))

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Optimization of Fabrication Parameters To Produce Chitosan-Tripolyphosphate Nanoparticles for Delivery of Tea Catechins

[Abstract](#)

Bing Hu, Chenliang Pan, Yi Sun, Zhiyun Hou, Hong Ye, Bing Hu and Xiaoxiong Zeng

pp 7451-7458

Publication Date (Web): July 16, 2008 ([Article](#))

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Antioxidative Activity of Protein Hydrolysates Prepared from Alkaline-Aided Channel Catfish Protein Isolates

[Abstract](#)

Ann E. Theodore, Svakumar Raghavan and Hordur G. Kristinsson

pp 7459-7466

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Kinetic Characterization of O-Phospho-L-tyrosine Phosphohydrolase Activity of Two Fungal Phytases

[Abstract](#)

Abul H. J. Ullah, Kandan Sethumadhavan and Edward J. Mullaney

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Plant Phenolics Affect Oxidation of Tryptophan





[Abstract](#)

Hanna Salminen and Marina Heinonen

pp 7472-7481

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Assessment on the Fermentability of Xylooligosaccharides from Rice Husks by Probiotic Bacteria

Patricia Gullón, Patricia Moura, Maríá Paula Esteves, Francisco Manuel Girio, Herminia Domínguez and Juan





Carlos Parajó

pp 7482-7487

Publication Date (Web): July 22, 2008 ([Article](#))

DOI: 10.1021/jf800715b

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Effect of Interfacial Protein Cross-Linking on the in Vitro Digestibility of Emulsified Corn Oil by Pancreatic Lipase





Sandra Sandra, Eric Andrew Decker and David Julian McClements

pp 7488-7494

Publication Date (Web): July 8, 2008 ([Article](#))

DOI: 10.1021/jf800741w

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Health-Promoting Effects of a Dietary Fiber Concentrate from the Soybean Byproduct Okara in Rats





Antonio Jiménez-Escrig, María Dolores Tenorio, Irene Espinosa-Martos and Pilar Rupérez

pp 7495-7501

Publication Date (Web): July 18, 2008 ([Article](#))

DOI: 10.1021/jf800792y

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Pterostilbene Suppressed Lipopolysaccharide-Induced Up-Expression of iNOS and COX-2 in Murine Macrophages





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Min-Hsiung Pan, Yen-Hui Chang, Mei-Ling Tsai, Ching-Shu Lai, Sheng-Yow Ho, Vladimir Badmaev and Chi-Tang Ho

pp 7502-7509

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Reactivity of Fish and Microbial Transglutaminases on Glutaminy Sites of Peptides Derived from Threadfin Bream Myosin

Bung-Orn Hemung, Eunice C. Y. Li-Chan and Jirawat Yongsawatdigul

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Phenolic Antioxidants from Green Tea Produced from *Camellia taliensis*

Da-Fang Gao, Ying-Jun Zhang, Chong-Ren Yang, Ke-Ke Chen and Hong-Jian Jiang

pp 7517-7521

Publication Date (Web): July 16, 2008 ([Article](#))

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Inhibitory Action of Soybean β -Conglycinin Hydrolysates on *Salmonella typhimurium* Translocation in Caco-2 Epithelial Cell Monolayers

Baichong Yang, Ying Lv, Yang Chen, Jin Wang, Wuxia Tang and Shuntang Guo

pp 7522-7527

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β -Lactoglobulin Structure and Retinol Binding Changes in Presence of Anionic and Neutral Detergents





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Asghar Taheri-Kafrani, Abdol-Khalegh Bordbar, Seyed Habib-Allah Mousavi and Thomas Haertle

pp 7528-7534

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Molecular Nutrition

Proteome Analysis of Tea Pollen (*Camellia sinensis*) under Different Storage Conditions





Jianke Li, Jian Chen, Zhaohui Zhang and Yinghong Pan

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Effects of Anthocyanins on Psychological Stress-Induced Oxidative Stress and Neurotransmitter Status





M. Mamunur Rahman, Takashi Ichiyonagi, Tadazumi Komiyama, Shinji Sato and Tetsuya Konishi

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Toxicology in Agriculture and Food

Cooking Decreases Observed Perfluorinated Compound Concentrations in Fish

Liana Del Gobbo, Sheryl Tittlemier, Miriam Diamond, Karen Pepper, Brett Tague, Fiona Yeudall and Loren

Vanderlinden

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DNA Damage after Acute and Chronic Treatment with Malathion in Rats

Gislaine Z. Reus, Samira S. Valvassori, Hellen Nuernberg, Clarissa M. Comim, Roberto Buss Stringari, Peterson Teodoro Padilha, Daniela D. Leffa, Priscila Tavares, Gracilene Dagostim, Marcos M. S. Paula, Vanessa M. Andrade and João Quevedo

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Distribution of Trichothecenes, Zearalenone, and Ergosterol in a Fractionated Wheat Harvest

Lot

Torsten Neuhofer, Matthias Koch, Tatjana Rasenko and Irene Nehls

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Selective Growth Inhibition of Human Leukemia and Human Lymphoblastoid Cells by Resveratrol via Cell Cycle Arrest and Apoptosis Induction

Sau K. Lee, Wei Zhang and Barbara J. S. Sanderson

pp 7572-7577

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Dynamics of Mycotoxin and *Aspergillus flavus* Levels in Aging Bt and Non-Bt Corn Residues under Mississippi No-Till Conditions

Hamed K. Abbas, Cesare Accinelli, Robert M. Zablotowicz, Craig A. Abel, H. Arnold Bruns, Yanhong Dong and W. Thomas Shier

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Additions and Corrections

Interaction of Environmental Moisture with Powdered Green Tea Formulations: Effect on Catechin Chemical Stability

J. Ortiz, M. G. Ferruzzi, L. S. Taylor and L. J. Mauer

p 7586

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