

Contents 11 / 11

Molecular Nutrition Food Research

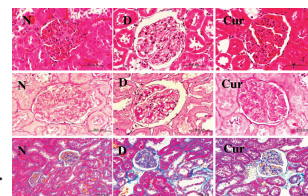
Bioactivity & Safety
Microbiology

Immunology
Chemistry

Research Article

Mechanisms of weight maintenance under high- and low-protein, low-glycaemic index diets

Isabel Rubio-Aliaga, Laure F. Marvin-Guy, Ping Wang, Sandrine Wagniere, Robert Mansourian, Andreas Fuerholz, Wim H. M. Saris, Arne Astrup, Edwin C. M. Mariman and Martin Kussmann



. . . 1603

Research Article

Urinary N-methylpyridinium and trigonelline as candidate dietary biomarkers of coffee consumption

Roman Lang, Anika Wahl, Timo Stark and Thomas Hofmann. 1613

Research Article

In vitro anti-platelet effects of simple plant-derived phenolic compounds are only found at high, non-physiological concentrations

Luisa M. Ostertag, Niamh O'Kennedy, Graham W. Horgan, Paul A. Kroon, Garry G. Duthie and Baukje de Roos. 1624

Research Article

Interaction of dietary polyphenols with bovine milk proteins: Molecular structure–affinity relationship and influencing bioactivity aspects

Jianbo Xiao, Fangfang Mao, Fan Yang, Yalu Zhao, Chao Zhang and Koichiro Yamamoto 1637

 Supporting information see www.mnf-journal.com

Research Article

Tetrahydrocurcumin, a major metabolite of curcumin, induced autophagic cell death through coordinative modulation of PI3K/Akt-mTOR and MAPK signaling pathways in human leukemia HL-60 cells

Jia-Ching Wu, Ching-Shu Lai, Vladimir Badmaev, Kalyanam Nagabhushanam, Chi-Tang Ho and Min-Hsiung Pan. 1646

Research Article

Curcumin attenuates diabetic nephropathy by inhibiting PKC- α and PKC- β_1 activity in streptozotocin-induced type I diabetic rats

Vivian Soetikno, Kenichi Watanabe, Flori R. Sari, Meilei Harima, Rajarajan A. Thandavarayan, Punniyakoti T. Veeraveedu, Wawaimuli Arozal, Vijayakumar Sukumaran, Arun Prasath Lakshmanan, Somasundaram Arumugam and Kenji Suzuki 1655

Research Article

Curcumin provides potential protection against the activation of hypoxia and prolyl 4-hydroxylase inhibitors on prostate-specific antigen expression in human prostate carcinoma cells

Li-Chuan Chung, Ke-Hung Tsui, Tsui-Hsia Feng, Shiow-Ling Lee, Phei-Lang Chang and Horng-Heng Juang 1666

Research Article

Anti-proliferative effect of curcumin on melanoma cells is mediated by PDE1A inhibition that regulates the epigenetic integrator UHRF1

Abdurazzag Abusnina, Thérèse Keravis, Issaka Yougbaré, Christian Bronner and Claire Lugnier 1677

Research Article

Responsiveness of the major birch allergen Bet v 1 scaffold to the gastric environment: Impact on structure and allergenic activity

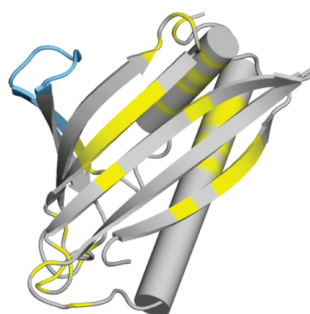
Ana I. Sancho, Andrea Wangorsch, Bettina M. Jensen, Andrew Watson, Yuri Alexeev, Phil E. Johnson, Alan R. Mackie, Angela Neubauer, Gerald Reese, Barbara Ballmer-Weber, Karin Hoffmann-Sommergruber, Per S. Skov, Stefan Vieths and Elisabeth N. Clare Mills 1690

 Supporting information see www.mnf-journal.com

Research Article

Allergenic and immunogenic potential of cow's milk β -lactoglobulin and caseins evidenced without adjuvant in germ-free mice

Stéphanie Morin, Hervé Bernard, Laetitia Przybylski-Nicaise, Gérard Corthier, Sylvie Rabot, Jean-Michel Wal and Stéphane Hazebrouck 1700



Research Article

Recognition and uptake of free and nanoparticle-bound betalactoglobulin – a food allergen – by human monocytes

Mauro Marengo, Francesco Bonomi, Stefania Iametti, Eva Prinz, Rolf Hempelmann, Mette Boye and Hanne Frokiaer 1708

 Supporting information see www.mnf-journal.com

Research Article

Maternal folate supply and sex influence gene-specific DNA methylation in the fetal gut

Jill A. McKay, Yi K. Wong, Caroline L. Relton, Dianne Ford and John C. Mathers 1717

Food & Function

Bilberries and their anthocyanins ameliorate experimental colitis

Heidi Piberger, Anett Oehme, Claudia Hofmann, Andrea Dreiseitel, Philipp G. Sand, Florian Obermeier, Juergen Schoelmerich, Peter Schreier, Gerhard Krammer and Gerhard Rogler 1724

Food & Function

Resveratrol derivative-rich melinjo (*Gnetum gnemon* L.) seed extract suppresses multiple angiogenesis-related endothelial cell functions and tumor angiogenesis

Kazuhiro Kunimasa, Toshiro Ohta, Hiroko Tani, Eishin Kato, Ryoji Eguchi, Kazuhiko Kaji, Katsumi Ikeda, Hideki Mori, Mari Mori, Tomoki Tatefuji and Yukio Yamori 1730

 Supporting information see www.mnf-journal.com

Food & Function

Influence of dietary supplementation with dextrin or oligofructose on the hepatic redox balance in rats

Carina E. P. Kozmus, Eduardo Moura, Maria P. Serrão, Helena Real, João T. Guimarães, Paula Guedes-de-Pinho, Barbara P. Duarte, Franklim Marques, Maria João Martins and Maria A. Vieira-Coelho 1735

 Supporting information see www.mnf-journal.com