

LWT—Food Science and Technology

Contents

Volume 60, Issue 2, Part 2, 2015

Preface <i>J. Shi and X. Ye</i>	1073
Identification of a lectin protein from black turtle bean (<i>Phaseolus vulgaris</i>) using LC-MS/MS and PCR method <i>S. He, J. Shi, X. Li, Y. Ma and S.J. Xue</i>	1074
Extraction and determination of 4-methylthio-3-butenyl isothiocyanate in Chinese radish (<i>Raphanus sativus L.</i>) roots <i>J. Li, B. Xie, S. Yan, H. Li and Q. Wang</i>	1080
Evaluation of the effect of ultrasonic variables at locally ultrasonic field on yield of hesperidin from pengan (<i>Citrus reticulata</i>) peels <i>Y. Ma, X. Ye, H. Wu, H. Wang, Z. Sun, P. Zhu and Z. Han</i>	1088
Partial purification and characterization of polyphenol oxidase and peroxidase from chestnut kernel <i>Z. Gong, D. Li, C. Liu, A. Cheng and W. Wang</i>	1095
Development and characterization of an enzymatic time-temperature indicator (TTI) based on <i>Aspergillus niger</i> lipase <i>D. Wu, S. Hou, J. Chen, Y. Sun, X. Ye, D. Liu, R. Meng and Y. Wang</i>	1100
Protective effect of blueberry anthocyanins in a CCL4-induced liver cell model <i>J. Chen, Y. Zhao, X.-y. Tao, M. Zhang and A.-d. Sun</i>	1105
Ultrasonic-assisted enzymatic extraction of polysaccharide from <i>Corbicula fluminea</i>: Characterization and antioxidant activity <i>N. Liao, J. Zhong, X. Ye, S. Lu, W. Wang, R. Zhang, J. Xu, S. Chen and D. Liu</i>	1113
Inhibitory effects of propyl gallate on browning and its relationship to active oxygen metabolism in pericarp of harvested longan fruit <i>Y. Lin, Y. Lin, H. Lin, S. Zhang, Y. Chen and J. Shi</i>	1122
Evaluation indicators of explosion puffing Fuji apple chips quality from different Chinese origins <i>J.-f. Bi, X. Wang, Q.-q. Chen, X. Liu, X.-y. Wu, Q. Wang, J. Lv and A.-j. Yang</i>	1129
Effects of pretreatments on explosion puffing drying kinetics of apple chips <i>J. Bi, A. Yang, X. Liu, X. Wu, Q. Chen, Q. Wang, J. Lv and X. Wang</i>	1136
Cytotoxicity of zinc oxide nanoparticles and silver nanoparticles in human epithelial colorectal adenocarcinoma cells <i>T. Kang, R. Guan, Y. Song, F. Lyu, X. Ye and H. Jiang</i>	1143
Enzyme-assisted extraction of polysaccharides from <i>Dendrobium chrysotoxum</i> and its functional properties and immunomodulatory activity <i>L.-H. Pan, J. Wang, X.-Q. Ye, X.-Q. Zha and J.-P. Luo</i>	1149
Effect of nano-CaCO₃-LDPE packaging on quality and browning of fresh-cut yam <i>Z. Luo, Y. Wang, L. Jiang and X. Xu</i>	1155

Sulfation of citrus pectin by pyridine-sulfurtrioxide complex and its anticoagulant activity <i>Y. Hu, X. Ye, X. Yin and S. Chen</i>	1162
Optimization of effective high hydrostatic pressure treatment of <i>Bacillus subtilis</i> in Hami melon juice <i>J. Chen, X. Zheng, J. Dong, Y. Chen and J. Tian</i>	1168
Effects of temperature, pH, and sunlight exposure on the color stability of strawberry juice during processing and storage <i>Z. Wang, M. Zhang and Q. Wu</i>	1174
Comparison of umami taste peptides in water-soluble extractions of Jinhua and Parma hams <i>Y. Dang, X. Gao, F. Ma and X. Wu</i>	1179
Synthesis of structured lipid 1,3-dioleoyl-2-palmitoylglycerol in both solvent and solvent-free system <i>W. Wei, Y. Feng, X. Zhang, X. Cao and F. Feng</i>	1187
Impact of slightly acidic electrolyzed water (SAEW) and ultrasound on microbial loads and quality of fresh fruits <i>T. Ding, Z. Ge, J. Shi, Y.-T. Xu, C.L. Jones and D.-H. Liu</i>	1195
A new function of Chinese bayberry extract: Protection against oxidative DNA damage <i>W. Chen, S. Zhou and X. Zheng</i>	1200
Biotransformation of tea catechins using <i>Aspergillus niger</i> tannase prepared by solid state fermentation on tea byproduct <i>H. Ni, F. Chen, Z.D. Jiang, M.Y. Cai, Y.F. Yang, A.F. Xiao and H.N. Cai</i>	1206
Prediction of chemical composition and geographical origin traceability of Chinese export tilapia fillets products by near infrared reflectance spectroscopy <i>Y. Liu, D.-h. Ma, X.-c. Wang, L.-p. Liu, Y.-x. Fan and J.-x. Cao</i>	1214
Modeling structural and compositional changes of beef during human chewing process <i>X. Wang, Y. Sun, A. Liu, X. Wang, J. Gao, X. Fan, J. Shang and Y. Wang</i>	1219
Supercritical carbon dioxide extraction of oils from two <i>Torreya grandis</i> varieties seeds and their physicochemical and antioxidant properties <i>Q. Ni, Q. Gao, W. Yu, X. Liu, G. Xu and Y. Zhang</i>	1226
Analysis of volatiles in Dezhou Braised Chicken by comprehensive two-dimensional gas chromatography/high resolution-time of flight mass spectrometry <i>Y. Duan, F. Zheng, H. Chen, M. Huang, J. Xie, F. Chen and B. Sun</i>	1235
The effects of modified atmosphere packaging on core browning and the expression patterns of <i>PPO</i> and <i>PAL</i> genes in 'Yali' pears during cold storage <i>Y. Cheng, L. Liu, G. Zhao, C. Shen, H. Yan, J. Guan and K. Yang</i>	1243
Effect of iced-storage on the activity of cathepsin L and trypsin-like protease in carp dorsal muscle <i>Y. Hu, K. Morioka, S. Chen, D. Liu and X. Ye</i>	1249
Short-term anaerobic, pure oxygen and refrigerated storage conditions affect the energy status and selective gene expression in litchi fruit <i>T. Liu, H. Wang, J. Kuang, C. Sun, J. Shi, X. Duan, H. Qu and Y. Jiang</i>	1254
Chemical composition and antioxidant activity of Chinese wild raspberry (<i>Rubus hirsutus</i> Thunb.) <i>Y. Fu, X. Zhou, S. Chen, Y. Sun, Y. Shen and X. Ye</i>	1262
Effects of drying methods on phytochemical compounds and antioxidant activity of physiologically dropped un-matured citrus fruits <i>Y. Sun, Y. Shen, D. Liu and X. Ye</i>	1269