

CONTENTS

<p>Firmness evaluation of postharvest pear fruit during storage based on a vibration experiment technique using a dielectric elastomer actuator T. Hiruta, K. Sasaki, N. Hosoya, S. Maeda and I. Kajiwara (Japan)</p>	111697	<p>Changes in the activity of proline-metabolising enzymes is associated with increased cultivar-dependent chilling tolerance in mangos, in response to pre-storage melatonin application R. Bhardwaj, S. Pareek (India), G.A. González-Aguilar and J.A. Domínguez-Avila (Mexico)</p>	111702
<p>Exogenous ATP attenuated fermentative metabolism in postharvest strawberry fruit under elevated CO<sub>2</sub> atmosphere by maintaining energy status D. Li, L. Li, Y. Xu, L. Wang, X. Lin, Y. Wang and Z. Luo (People's Republic of China)</p>	111701	<p>Physiological disorder development of 'Honeycrisp' apples after pre- and post-harvest 1-methylcyclopropene (1-MCP) treatments Y. Al Shoffe, J.F. Nock, Y. Zhang and C.B. Watkins (United States)</p>	111703
<p>High pressure CO<sub>2</sub> treatment alleviates lignification and browning of fresh-cut water-bamboo shoots (<i>Zizania latifolia</i>) J. Zhang, A. Murtaza, L. Zhu, A. Iqbal (China), S.W. Ali (Pakistan), X. Xu, S. Pan and W. Hu (China)</p>	111690	<p>Exploring the antifungal mechanism of limonin-loaded eugenol emulsion against <i>Penicillium italicum</i>: From the perspective of microbial metabolism Y. Li, L. Guo and Z. Zhou (China)</p>	111704
<p><sup>60</sup>Co-γ-ray irradiation inhibits germination of fresh walnuts by modulating respiratory metabolism and reducing energy status during storage H. Hu, N. Jing, Y. Peng, C. Liu, H. Ma and Y. Ma (China)</p>	111694	<p>Respiratory quotient level variation during storage: Critical period for low oxygen tolerance, metabolism, and quality of 'Galaxy' apples F.R. Thewes, A. Brackmann, V. Both, R.d.O. Anese, V. Ludwig, L.M. Wendt, M.R.P. Berghetti, F.R. Thewes, B. Klein and R. Wagner (Brazil)</p>	111699
<p><i>Bacillus amyloliquefaciens</i> M73 reduces postharvest decay and promotes anthocyanin accumulation in Tarocco blood orange (<i>Citrus sinensis</i> (L.) Osbeck) during cold storage X. Guo, M. Qiao, Y. Yang, K. Luo, Z. Liu, J. Liu (China), N. Kuznetsova (Russia), Z. Liu and Q. Sun (China)</p>	111698	<p>Melatonin enhances the resistance of ginger rhizomes to postharvest fungal decay K. Huang, Y. Sui, C. Miao, C. Chang, L. Wang, S. Cao, X. Huang, W. Li, Y. Zou, Z. Sun, Q. Wang, C. Zeng, J. Liu and Z. Wang (China)</p>	111706
<p>Identification and delineation of action mechanism of antifungal agents: Reveromycin E and its new derivative isolated from <i>Streptomyces</i> sp. JCK-6141 H.T.T. Nguyen, A.R. Park, I.M. Hwang and J.-C. Kim (Republic of Korea)</p>	111700	<p>MaRTH1 suppression of ethylene response during banana fruit ripening and is controlled by MaXB3-MaNAC2 regulatory module W. Wei, Y.-y. Yang, X.-g. Su, J.-f. Kuang, J.-y. Chen, W.-j. Lu and W. Shan (China)</p>	111707
<p>Dynamic variation of endogenous flora in kiwifruit and its association with ripening metabolism in response to ethylene micro-environment Y. Xie, L. Nian, Y. Zeng, M. Wang, B. Yuan, S. Cheng and C. Cao (China)</p>	111695	<p>Exogenous ferulic acid treatment increases resistance against <i>Botrytis cinerea</i> in tomato fruit by regulating nitric oxide signaling pathway P. Shu, Y. Li, X. Wang, L. Yao, J. Sheng and L. Shen (China)</p>	111678

*(Contents continued on Inside Back Cover)*

Sensory, GC-MS and PTR-ToF-MS profiling of strawberries varying in maturity at harvest with subsequent cold storage H. Li, B. Brouwer, N. Oud, J.C. Verdonk, Y. Tikunov, E. Woltering, R. Schouten and F. Pereira da Silva (the Netherlands)	111719	Chitosan-enriched salicylic acid coatings preserves antioxidant properties and alleviates internal browning of pear fruit under cold storage and supermarket conditions A. Sinha, P.P.S. Gill, S.K. Jawandha, P. Kaur and S.K. Grewal (India)	111721
Lipidomics reveals the difference of membrane lipid catabolism between chilling injury sensitive and non-sensitive green bell pepper in response to chilling D. Xu, S.M. Lam, J. Zuo, S. Yuan, J. Lv, J. Shi, L. Gao, B. Chen, Y. Sui, G. Shui, S. Geng and Q. Wang (China)	111714	Transcriptome analysis reveals the underlying mechanism of nanocomposite packaging in delaying quality deterioration of <i>Flammulina velutipes</i> C. Zuo, Q. Hu, A. Su, F. Pei, G. Ma, H. Xu, M. Xie, J. Liu (China), A.M. Mariga (Kenya) and W. Yang (China)	111723