REVIEWS

7738

**Phyllanthus emblica fruits: a polyphenol-rich fruit with potential benefits for oral management**

Gefei Li, Qiang Yu, Mengqi Li, Dingkun Zhang, Ji Yu, Xiaohan Yu, Chenxi Xia, Junzhi Lin,* Li Han* and Haozhou Huang*

7760

**Raspberry polyphenols alleviate neurodegenerative diseases: through gut microbiota and ROS signals**

Boyong Hu, Yi Shi, Chunyue Lu, Haixin Chen, Yuqing Zeng, Jing Deng, Lin Zhang,* Qinlu Lin,* Wen Li,* Yuan Chen, Feifei Zhong and Xu Xia
7780

The function of human milk oligosaccharides and their substitute oligosaccharides as probiotics in gut inflammation
Kunyi Zhao, Hao Pang, Kaidi Shao, Zizhen Yang, Shangyong Li* and Ningning He*

7799

Revisiting carotenoids as dietary antioxidants for human health and disease prevention
Junji Terao

7825

From gut to skin: exploring the potential of natural products targeting microorganisms for atopic dermatitis treatment
Hang Zhao, Xin Ma, Jiankun Song, Jingsi Jiang, Xiaoya Fei, Yue Luo, Yi Ru, Ying Luo, Chunjie Gao, Le Kuai* and Bin Li*

7853

Dietary patterns, uric acid levels, and hyperuricemia: a systematic review and meta-analysis
Sijie Cheng, Lishen Shan, Zhuying You, Yang Xia, Yuhong Zhao, Hehua Zhang* and Zhiying Zhao*
**Hypoglycemic effect of *Nitraria tangutorum* fruit by inhibiting glycosidase and regulating IRS1/PI3K/AKT signalling pathway and its active ingredient identification by UPLC-MS**

Sirong Jiang, Luya Wang, Wenjing Jia, Di Wu, Li Wu, Xiaohui Zhao, Lijuan Mei, Yanduo Tao and Huilan Yue*

**Selenium-enriched peptides identified from selenium-enriched soybean protein hydrolysate: protective effects against heat damage in Caco-2 cells**

Xinwei Chen, Wanlu Liu, Jian Zhang, He Li* and Xinqi Liu*

**Dangshen Huangjiu prevents gastric mucosal injury and inhibits Akt/NF-κB pathway**

Qiaohong Xu, Fang Cui, Xiaodong Li, Nan Wang, Yingsui Gao, Shiping Yin and Fangdi Hu*

**Structural characteristics and in vitro fermentation patterns of polysaccharides from *Boletus* mushrooms**

Li Chen, Yuxin Wang, Jiaxin Liu, Zhiyuan Hong, Ka-Hing Wong, Jia-Chi Chiou, Baojun Xu, Carlos L. Cespedes-Acuña, Weibin Bai* and Lingmin Tian*
**PAPERS**

**7924**

The impact of differently structured starch gels on the gastrointestinal fate of a curcumin-containing nanoemulsion

Haroon Jamshaid Qazi, Aiqian Ye,* Alejandra Acevedo-Fani and Harjinder Singh

**7938**

Association between maternal erythrocyte PUFAs during pregnancy and neurodevelopment in children at 2 years of age: a birth cohort study

Nan Liu, Yannan He, Feng Zhao, Xiaoxu Li, Yujing Chen, Bibo Jiang, Min Wei, Duo Li and Li Cai*

**7946**

Effects of enzymatic modification on the stability of cashew-based milk

Wenjie Pan, Zhaojun Zheng, Panpan Li, Zixuan Ai and Yuanfa Liu*

**7959**

The effect of microencapsulated watermelon rind (Citrullus lanatus) and beetroot (Beta vulgaris L.) ingestion on ischemia/reperfusion-induced endothelial dysfunction: a randomised clinical trial

Mônica Volino-Souza, Gustavo Vieira de Oliveira, Anna Carolina Tavares, Karen Souza and Thiago Alvares*
The association of serum serine levels with the risk of incident cancer: results from a nested case–control study

Tong Liu, Chenan Liu, Mengmeng Song, Yaping Wei, Yun Song, Ping Chen, Lishun Liu, Binyan Wang* and Hanping Shi*

Gut microbiome–serum metabolic profiles: insight into the hypoglycemic effect of Porphyra haitanensis glycoprotein on hyperglycemic mice

Yujia Ou, Yuehong Guo, Mingrong Chen, Xiaodan Lu, Zebin Guo* and Baodong Zheng*

Structure relationship of non-covalent interactions between lotus seedpod oligomeric procyanidins and glycated casein hydrolysate during digestion

Yu Ouyang, Yinggang Liang, Mengyao Niu, Jia Yan, Qianmei Chu, Mengzhou Zhou, Wei Li, Nianjie Feng* and Qian Wu*

Safety assessment of Synechococcus sp. PCC 7002 biomass: genotoxicity, acute and subchronic toxicity studies

Shiyang Li, Wei Guo, Mingyong Zeng and Haohao Wu*
A bovine milk-derived peptide ameliorates pancreatic β-cell dedifferentiation through PI3K/Akt/FOXO1 signaling in type 2 diabetes
Yunbiao Lu, Rongrong Huang, Zhongkan Sun and Yu Ou*

Correction: Undenatured type II collagen prevents and treats osteoarthritis and motor function degradation in T2DM patients and db/db mice
Fan Rui, Kang Jiawei, Hao Yuntao, Liu Xinran, Hu Jiani, Mao Ruixue, Liu Rui, Zhu Na, Xu Meihong and Li Yong*

Correction: Dietary L-tryptophan alleviated LPS-induced intestinal barrier injury by regulating tight junctions in a Caco-2 cell monolayer model
Mengdie Chen, Yuyu Liu, Shanbai Xiong, Moucheng Wu, Bin Li, Zheng Ruan* and Xiaobo Hu*