

Food & Function

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IN THIS ISSUE

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Cover
See Yong Fang *et al.*,
pp. 659–672.

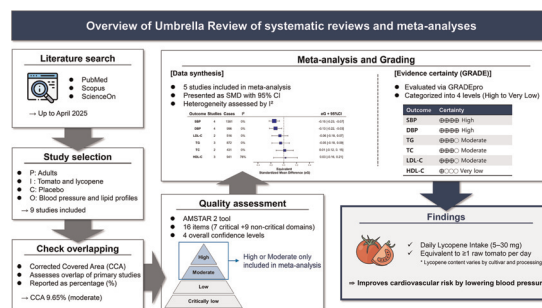
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17, 659.

REVIEWS

622

Role of lycopene from tomato on cardiovascular risk: an umbrella review of systematic reviews and meta-analyses of intervention studies

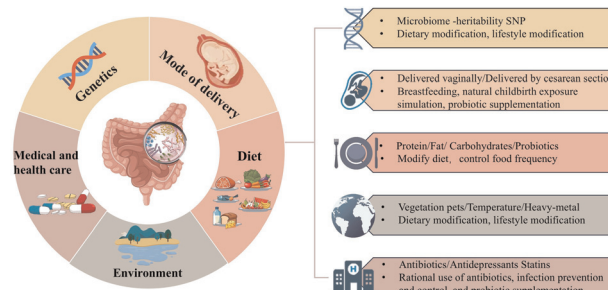
Yea-eun Nam, In-Guk Hwang and Hwan-Hee Jang*



631

Precision probiotic development based on gut microbial biomarkers: from mechanistic insights to clinical translation

Ling Li, Teng Yan, Ruonan Yan, Xiaoqun Zeng,*
Qiwei Du, Zhen Wu and Daodong Pan



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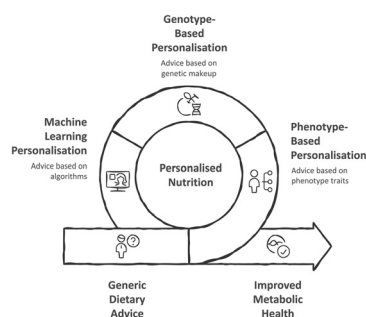
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REVIEWS

646

Key evidence for personalised nutrition: a review of randomised controlled trials

Tilde Martinsen and Lorraine Brennan*

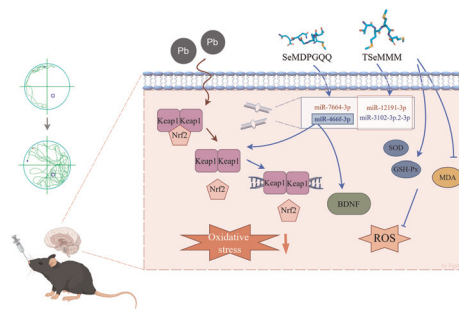


PAPERS

659

Selenium-containing peptides attenuating Pb-induced memory impairment through microRNA-mediated signaling

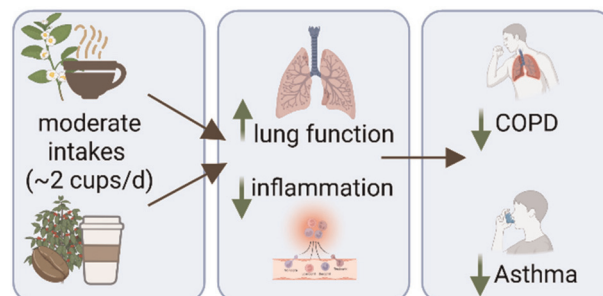
Fengjiao Fan, Nanlong Li, Wenqian Tang, Zhiyin Xiao, Xiaoyi Jiang, Peng Li, Jian Ding, Qinlu Lin and Yong Fang*



673

Tea and coffee intakes, COPD, adult asthma, and lung function in the UK Biobank

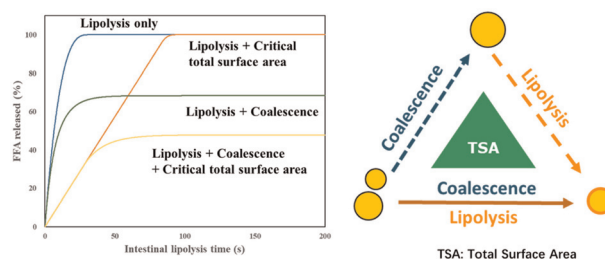
Nicola P. Bondonno,* Pratik Pokharel, Benjamin H. Parmenter, Alysha S. Thompson, Amy Jennings, Kevin Murray, Howraman Meteran, Jonathan Hodgson, Tilman Kühn and Aedin Cassidy*



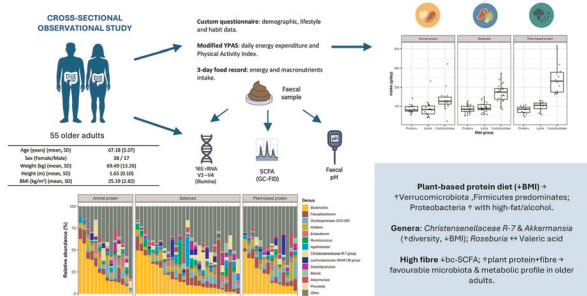
687

Unifying lipolysis under intestinal INFOGEST conditions by total surface area and coalescence

Lingfeng Wu, Meinou Corstens,* Ameer Khan Patan, Boxin Deng and Karin Schroën



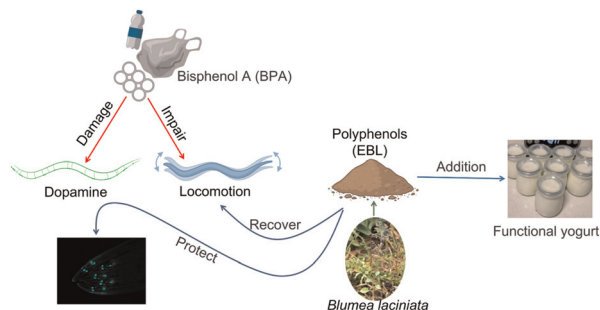
696



Influence of the origin of dietary proteins (plant vs. animal) on the faecal microbiota of older adults

Elena Gomez-Gomez,* Miguel Ferriz-Jordán, Andrea Asensio-Grau, Jorge García-Hernández, Ana Heredia, Joaquim Calvo-Lerma and Ana Andrés

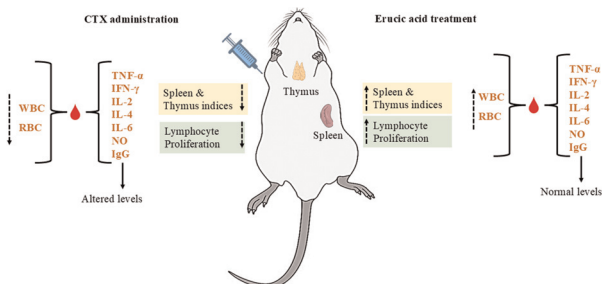
707



Alleviation of neurotoxicity induced by BPA in *Caenorhabditis elegans* by polyphenols from *Blumea laciniata* and their application in yogurt

Siyuan Luo, Chenhao Shi, Jiayi Tang, Kejin Zheng, Huajun Zhao* and Haixin Qin*

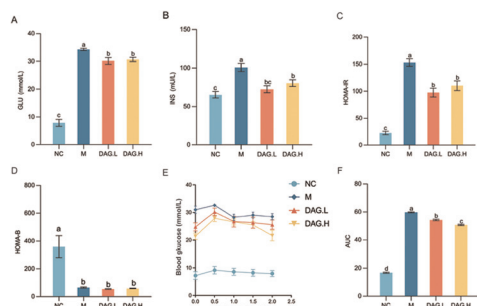
716



Protective effect of erucic acid against cyclophosphamide-induced immunosuppression via IFN- γ /TNF- α /IgG pathways: *in vivo* network pharmacology-based analysis, and molecular docking

Ameeduzzafar Zafar, Mohammad Khalid, Omar Awad Alsaidan, Ali Alquraini, Ali Hazazi, Adil Abalkhail, Mayur Chaurey and Nadeem Sayeed*

734



Metabolic benefits of 1,3-diacylglycerol in type 2 diabetes mellitus and its association with gut microbiota-derived SCFAs-GPR41-GLP-1 signaling

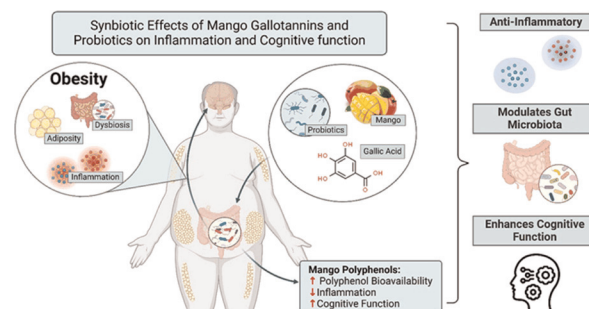
Jiaomei Li, Hao Wang, Jiekai Yang, Yicheng Wang, Guo Jia and Jiaojiao Gu*



750

Daily mango (*Mangifera indica* L.) consumption supplemented with probiotics differentially modulates inflammation and cognitive function in individuals with overweight or obesity: a placebo-controlled, double-blind, and randomized trial

Hyemee Kim, Kevin B. Kiefer, Shannon E. Schmidt-Combest, Giuliana Noratto, Shirley Arbizu, Maria Joselyn Castellon Chicas, Nicos C. Georgiades, Steven E. Riechman, Colin D. Kay, Rodrigo San-Cristobal, Stephen T. Talcott and Susanne U. Mertens-Talcott*



768

Chemical quality profile and bioactivities of "Hongyin" tea, a purple-budded cultivar from eastern Guangdong

Shuqia Ding, Linfen He, Wenjing Pan, Qingqing Ye, Hanzhong Ye,* Zhonghua Liu* and Shuxian Cai*



784

A randomised controlled study to investigate the cognitive, mood, metabolic and anti-inflammatory effects of acute oyster mushroom intervention in healthy older adults

Sara Cha, Lynne Bell, Derek R. Fisher, Barbara Shukitt-Hale, Zicheng Zhang, Ana Rodriguez-Mateos and Claire M. Williams*

Cha et al: OYSACO RCT

Healthy adults 60-80 years (N=33)

6-hour test day examining:

Mood & cognition

Neurotrophic factor, metabolic & inflammatory markers in serum

Appetite & palatability

Intervention- Meals containing different freeze-dried oyster mushroom (OM) doses

Key Findings

OM intervention helped maintain positive affect & mental fatigue up to 6h during the day.

Higher OM doses significantly lowered nitrite, NOX2 & iNOS.



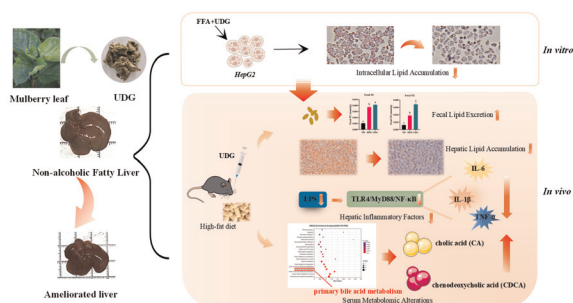
796

Profiling of peptides from wet- and dry-heated milk proteins after *in vitro* infant digestion and intestinal transport, and their effects on mucus production and innate immunity

Julie Miltenburg, Tamara Hoppenbrouwers, Monic M. M. Tomassen, Dianne Somhorst, Anouk Boudewijn, Els Oosterink, Harry Wichers, Kasper Hettinga* and Shanna Bastiaan-Net



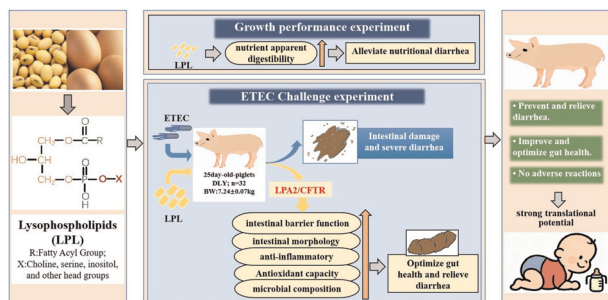
819



Ultrafiltered mulberry leaf glutelin mitigates non-alcoholic fatty liver disease through modulation of lipid metabolism, inflammation, and serum metabolomics

Mingxi Li, Hongyan Li, Jia Zou, Renqin Li, Haoqi Zhang, Wenhan Yang, Xiyang Wu and Chongzhen Sun*

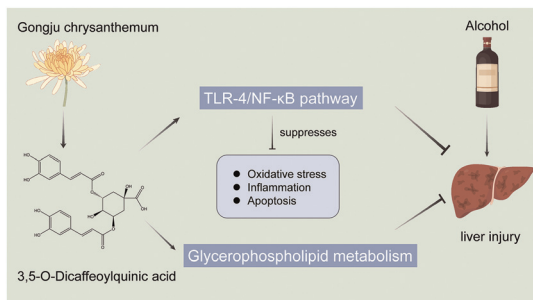
833



Dietary lysophospholipid alleviates diarrhea and improves intestinal health in weaned piglets challenged with enterotoxigenic *Escherichia coli* K88

Dian Fu, Wenting Du, Bing Yu, Jun He, Zhiqing Huang, Ping Zheng, Xiangbing Mao, Junqiu Luo, Hui Yan, Yueqi Xuan and Jie Yu*

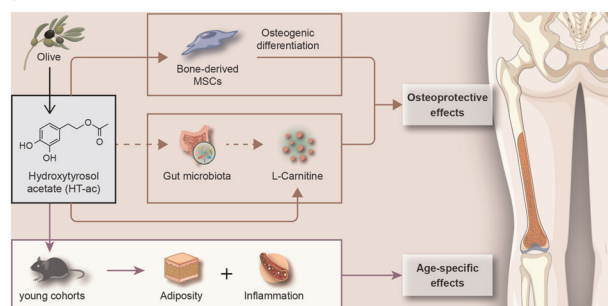
846



Chrysanthemum 3,5-O-dicaffeoylquinic acid ameliorates mouse alcoholic liver injury by suppressing the TLR-4/NF-κB pathway and restoring glycerophospholipid homeostasis

Yi-Long Ma,* Zhi Li, Qian-Lan Wu, Jing Li, Xin Guo, Tian-Le Mao, Kiran Thakur and Zhao-Jun Wei*

861



Age-dependent osteoprotective effects of hydroxytyrosol acetate: enhanced bone integrity via gut–bone axis activation

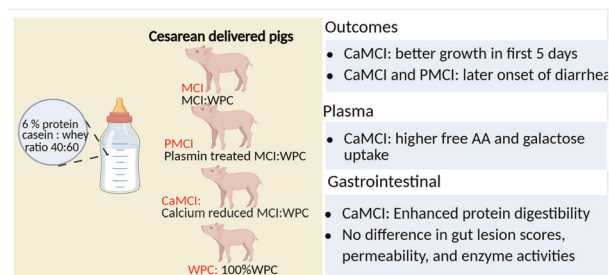
Fan Zhao, Jianhua Ma, Zhihao Chen, Dijie Li, Xiaoli Ma, Chaofei Yang, Jianguang Long and Airong Qian*



876

Evaluating casein ingredients in infant formula using pigs as a model for sensitive newborn infants

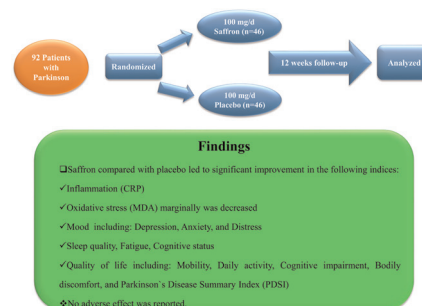
Mengjia Li,* Kristine Holgersen, Søren Drud-Heydary Nielsen, Anita Phuong Vy Le, Pingping Jiang, Luiza Patrycja Morawska, Ann Bjørnshave, Stine Brandt Bering, Nina Aagaard Poulsen, Per Torp Sangild and Lotte Bach Larsen



889

The effect of saffron supplementation on indices of oxidative stress, inflammation, mental health, and quality of life in patients with Parkinson's disease: a randomized, triple-blind, placebo-controlled clinical trial

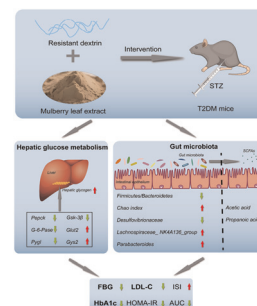
Zahra Hajhashemy, Mohammad Bagherniya, Omid Sadeghi, Fariborz Khorvash* and Gholamreza Askari*



902

Study on the efficacy and mechanism of resistant dextrin combined with mulberry leaf extract in ameliorating type 2 diabetes mellitus

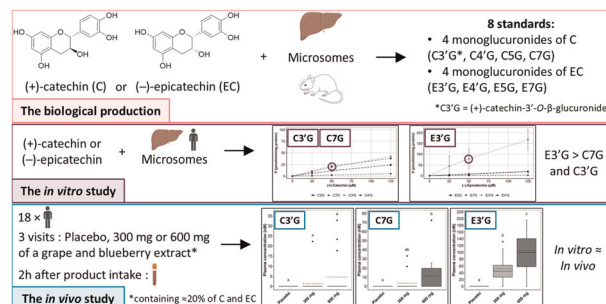
Pan Yang, Zhi Zhao, Yan Liu, Jian He, Huiyu Chen, Kaishuai Zhang, Yicheng Wang, You Sun, Yifan Wang, Yining Liu, Sufang Duan, Jie Guo, Qingtao Zhou, Liang Zhao, Yue Sang,* Ran Wang* and Shoujuan Yu*



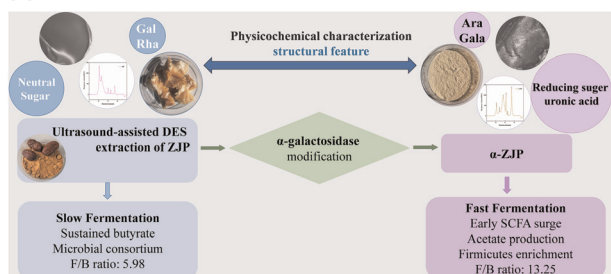
917

In vitro production of (+)-catechin and (-)-epicatechin glucuronides to better understand the in vivo metabolism of a polyphenol-rich extract (Memophenol™)

Lisa Texier, Adeline Vignault, Arnaud Courtois, Grégory Da Costa, Line Pourtau, Benjamin Moras, Tristan Richard and Stéphanie Krisa*



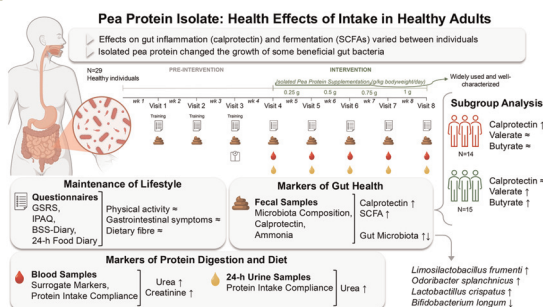
930



Regulatory effects of jujube (*Ziziphus jujuba*) polysaccharides on intestinal microbiota before and after α -galactosidase-mediated degradation

Li Jiao, Jiangdong Zou, Huanhuan Ma, Danfei Huang and Chang Li*

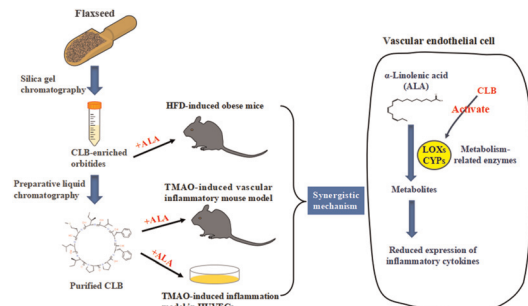
942



Effects of incrementally increased plant-based protein intake on gut microbiota and inflammatory–metabolic biomarkers in healthy adults

Samira Prado,* Annalena Kamm, Katharina Dannenberg, Isabel Keidel, Victor Castro-Alves, Tuulia Hyötyläinen, Marleen Lentjes, Dirk Rejsilber, Tatiana M. Marques and Robert J. Brummer

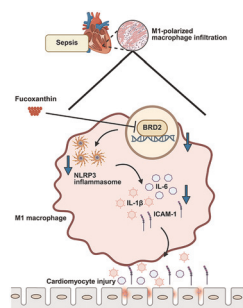
957



Flaxseed cyclolinopeptide-mediated regulation of α -linolenic acid metabolism alleviates high-fat diet-induced vascular inflammation

Hailing Song, Yun Ma, Qian Du, Zeyuan Deng, Yalun Zou, Yadong Miao, Jing Li and Liufeng Zheng*

973



Fucoxanthin prevents septic cardiomyopathy by targeting BRD2 in M1-polarized macrophages

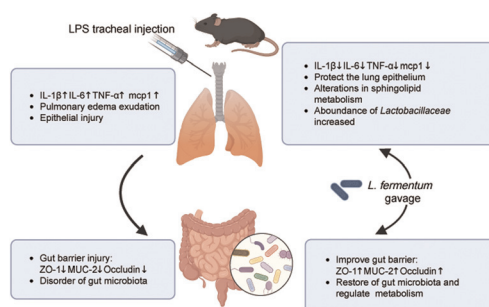
Xuechun Sun, Tingwei Chen, Xiqing Zhang, Huali Meng, Yanqi Hu, Fang Zheng, Yufeng Chu, Lei Sun* and Hao Wu*



991

Lactobacillus fermentum remodeled the lung microbiota by crosstalk with the gut and lungs and regulated the PI3K–AKT pathway to alleviate acute lung injury

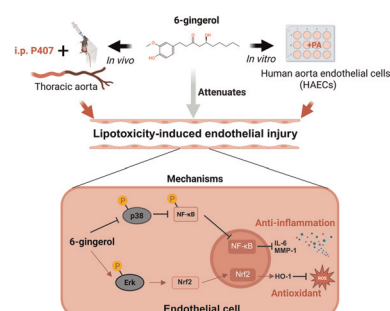
Jiali Ni, Jian Shen, Fengjiao Wang, Yechen Wu, Bo Qiu, Ziyuan Zhou, Qianhan Xie, Shengjie Li, Qiangqiang Xiang, Tinglei Song, Yuxi Zhao, Yanfei Chen* and Lanjuan Li*



1007

6-Gingerol ameliorates endothelial injury in hyperlipidemia mice via Nrf2 activation and inflammation modulation

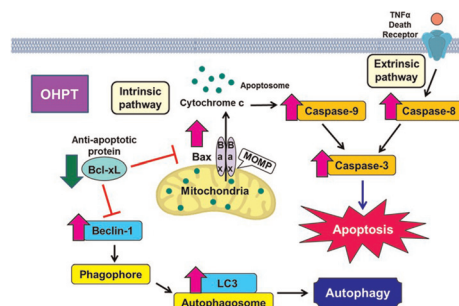
Xi He, Yuepeng Shang, Xinyu Liao, Guanting Liu, Qingyao Yang, Jiaqi Liu, Xiaolong Xu* and Xuyun Liu*



1018

3'-Hydroxypterostilbene suppresses prostate cancer via apoptosis and autophagy in vitro and potent tumor growth inhibition in vivo

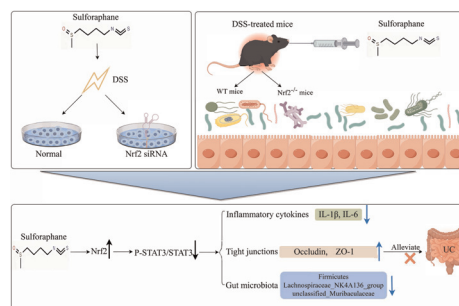
Hui-Yun Tsai, Zhi-Ling Liu, Ching-Yi Kuan, Chi-Tang Ho* and Yu-Kuo Chen*



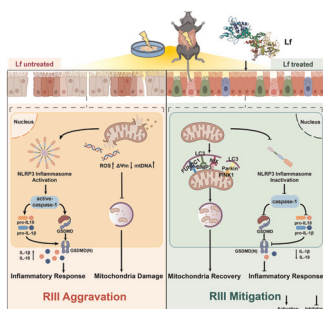
1032

Sulforaphane attenuates DSS-induced ulcerative colitis via the Nrf2/STAT3 signaling pathway and gut microbiota modulation

Mengyuan Chen, Gejun Yu, Wentao Wu, Peng Lei, Xiaohong Zhang, Jingyi Ren, Xiaoxin Jiang, Mengjie Yang and Canxia He*



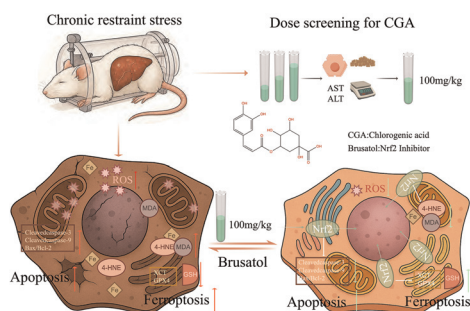
1045



Lactoferrin protects against radiation-induced intestinal injury by regulating pyroptosis and mitophagy

Wenyue Shan, Wei Wei, Yuqi Zhang, Lili Zhang, Yu Zhao, Jia Gu, Le Zhao, Khemayanto Hidayat, Yulong Liu, Yu Chong, Lin Zhao,* Liqiang Qin* and Jiaying Xu*

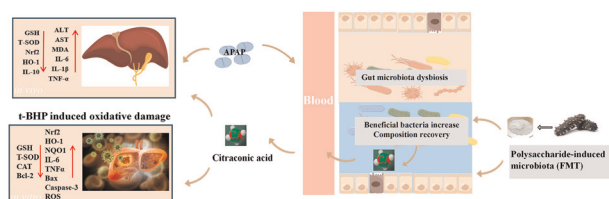
1061



Chlorogenic acid alleviates chronic restraint stress-induced liver injury potentially via Nrf2-mediated inhibition of ferroptosis and mitochondrial apoptosis

Haoyang Tan, Yaxin Ji, Xin Cheng, Jiahuan Hu, Xiaoqing Yu, Jiaying Wang, Haotian Yang, Shuai Zhang, Guofeng Feng, Wenjing Jiao, Yuan Zhao* and Honggang Fan*

1074



Sulfated polysaccharides from sea cucumber mitigate acetaminophen-induced acute liver injury in mice via citraconic acid-mediated inhibition of oxidative stress

Jiacheng Cheng, Weiyun Zheng, Jiayi Yan, Shuang Song and Chunqing Ai*

CORRECTIONS

1093

Correction: Clinical and lipid metabolic responses to diacylglycerol oil administration in Chinese adults with overweight/obesity or central obesity: a randomized, double-blind, placebo-controlled trial

Liyuan Qin, Wei Zhao, Zhuohua Lin, Xin Bao, Rong Li, Qiyue Hao, Zhe Yi, Qun Shen, Hua Jiang, Yumei Zhang* and Yong Xue*



CORRECTIONS

1095

Correction: Improvement effect of a next-generation probiotic *L. plantarum*-pMG36e-GLP-1 on type 2 diabetes mellitus via the gut–pancreas–liver axis

Hong Hu, Jie Luo, Ying Liu, Hongyu Li, Rui Jin, Shengjie Li, Jing Wei, Hong Wei* and Tingtao Chen*

RETRACTION

1097

Retraction: Stereoisomers of octahydrocurcumin, the hydrogenated metabolites of curcumin, display stereoselective activity on the CYP2E1 enzyme in L-02 cells

Dandan Luo, Yinsi Lin, Jiannan Chen, Xiaoqi Huang, Youliang Xie, Yuhong Liu, Suiqin Ni, Ziren Su, Yucui Li* and Zhenbiao Zhang*

