



**Journal of Zhejiang
University-SCIENCE B**
(Biomedicine &
Biotechnology)

Editors-in-Chief

Shu-min DUAN
Zhi-hong LIU

Administrated by

Ministry of Education, China

Sponsored by

Zhejiang University

Published by

Zhejiang University Press

Edited by

Editorial Office of *Journal of
Zhejiang University-SCIENCE*

Printed by

Hangzhou Shengyuan Printing
Services Co., Ltd.

Publication Date

1st Week per Month

Subscription

Tel: +86-571-87952783;
E-mail: yangsq@zju.edu.cn;
Postal distributing code: 32-323

Contact

Zhejiang University Press,
148 Tianmushan Road,
Hangzhou 310028, China;
Tel: +86-571-87952783;
E-mail: jzus_b@zju.edu.cn

Price

100 CNY/Issue

ISSN 1673-1581
CN 33-1356/Q

Vol. 23, No. 4, p. 265-352 | Apr., 2022

CONTENTS

Review

- 265 Molecular pathogenesis of acetaminophen-induced liver injury and its treatment options

Xiaopeng CAI, Huiqiang CAI, Jing WANG, Qin YANG,
Jun GUAN, Jingwen DENG, Zhi CHEN

Research Articles

- 286 A novel anticancer property of *Lycium barbarum* polysaccharide in triggering ferroptosis of breast cancer cells

Xing DU, Jingjing ZHANG, Ling LIU, Bo XU, Hang HAN,
Wenjie DAI, Xiuying PEI, Xufeng FU, Shaozhang HOU

- 300 Comparative metabolomics provides novel insights into the basis of petiole color differences in celery (*Apium graveolens* L.)

Mengyao LI, Jie LI, Haohan TAN, Ya LUO, Yong ZHANG,
Qing CHEN, Yan WANG, Yuanxiu LIN, Yunting ZHANG,
Xiaorong WANG, Haoru TANG

- 315 *Toxoplasma gondii* infection induces cell apoptosis via multiple pathways revealed by transcriptome analysis

Kaige DU, Fei LU, Chengzuo XIE, Haojie DING, Yu SHEN,
Yafan GAO, Shaohong LU, Xunhui ZHUO

- 328 Shoot rot of *Zizania latifolia* and the first record of its pathogen *Pantoea ananatis* in China

Zilan XIAO, Jianping DENG, Xiaojun ZHOU, Liyan ZHU, Xiaochan HE,
Jingwu ZHENG, Deping GUO, Jingze ZHANG

Correspondence

- 339 Efficient genetic transformation and CRISPR/Cas9-mediated genome editing of watermelon assisted by genes encoding developmental regulators

Wenbo PAN, Zhentao CHENG, Zhiguo HAN, Hong YANG,
Wanggen ZHANG, Huawei ZHANG

- 345 Comparative transcriptome analysis of candidate genes involved in chlorogenic acid biosynthesis during fruit development in three pear varieties of Xinjiang Uygur Autonomous Region

Hao WEN, Xi JIANG, Wenqiang WANG, Minyu WU,
Hongjin BAI, Cuiyun WU, Lirong SHEN

Erratum

- 352 Erratum to: Verticillin A inhibits colon cancer cell migration and invasion by targeting *c-Met*

Qianqian LIU, Xueli ZENG, Yuelin GUAN, Jingxin LU, Kai TU, Feiyan LIU

English Consultants Alan SEAL (NZ), Greg JERKOVICH (Hungary)

Executive Editors Qing YE, Hanfeng LIN