

Review Article	655	Drp1-dependent mitochondrial fission in cardiovascular disease Jia-yu Jin, Xiang-xiang Wei, Xiu-ling Zhi, Xin-hong Wang and Dan Meng
Article		
Neuropharmacology	665	Pyrrroloquinoline quinone promotes mitochondrial biogenesis in rotenone-induced Parkinson's disease model via AMPK activation Qiong Cheng, Juan Chen, Hui Guo, Jin-li Lu, Jing Zhou, Xin-yu Guo, Yue Shi, Yu Zhang, Shu Yu, Qi Zhang and Fei Ding
	679	β -arrestin 2 is essential for fluoxetine-mediated promotion of hippocampal neurogenesis in a mouse model of depression Chen-xin Li, Ying Zheng, Hong Zhu, Cheng-wu Li, Zhang He, Cong Wang, Jian-hua Ding, Gang Hu and Ming Lu
Cardiovascular Pharmacology	691	Mzb1 protects against myocardial infarction injury in mice via modulating mitochondrial function and alleviating inflammation Lu Zhang, Yi-ning Wang, Jia-ming Ju, Azaliia Shabanova, Yue Li, Ruo-nan Fang, Jia-bin Sun, Ying-ying Guo, Tong-zhu Jin, Yan-yan Liu, Tian-yu Li, Hong-li Shan, Hai-hai Liang and Bao-feng Yang
	701	Baicalein attenuates cardiac hypertrophy in mice via suppressing oxidative stress and activating autophagy in cardiomyocytes Bing-yan Liu, Ling Li, Gao-li Liu, Wei Ding, Wen-guang Chang, Tao Xu, Xiao-yu Ji, Xian-xin Zheng, Jing Zhang and Jian-xun Wang
	715	MicroRNA-99b-3p promotes angiotensin II-induced cardiac fibrosis in mice by targeting GSK-3 β You-hui Yu, Yu-hong Zhang, Yan-qing Ding, Xue-ying Bi, Jing Yuan, Hang Zhou, Pan-xia Wang, Li-li Zhang and Jian-tao Ye
Pulmonary Pharmacology	726	Ruscogenin attenuates particulate matter-induced acute lung injury in mice via protecting pulmonary endothelial barrier and inhibiting TLR4 signaling pathway Yu-wei Wang, Yun-hao Wu, Jia-zhi Zhang, Jia-hui Tang, Rui-ping Fan, Fang Li, Bo-yang Yu, Jun-ping Kou and Yuan-yuan Zhang
Endocrine Pharmacology	735	Berberine improves intralipid-induced insulin resistance in murine Zhen-hua Dong, Hai-yan Lin, Fu-lian Chen, Xiao-qi Che, Wen-kai Bi, Shu-long Shi, Jing Wang, Ling Gao, Zhao He and Jia-jun Zhao
	744	Oridonin ameliorates inflammation-induced bone loss in mice via suppressing DC-STAMP expression Bin-hua Zou, Yan-hui Tan, Wen-de Deng, Jie-huang Zheng, Qin Yang, Min-hong Ke, Zong-bao Ding and Xiao-juan Li
Immunopharmacology	755	Deficiency of β -arrestin2 exacerbates inflammatory arthritis by facilitating plasma cell formation Wei-jie Zhou, Dan-dan Wang, Juan Tao, Yu Tai, Zheng-wei Zhou, Zhen Wang, Pai-pai Guo, Wu-yi Sun, Jing-yu Chen, Hua-xun Wu, Shang-xue Yan, Ling-ling Zhang, Qing-tong Wang and Wei Wei
Chemotherapy	767	Carnosine suppresses human glioma cells under normoxic and hypoxic conditions partly via inhibiting glutamine metabolism Yu-jia Fang, Ming Wu, Hai-ni Chen, Tian-tian Wen, Jian-xin Lyu and Yao Shen
	780	A novel Diels–Alder adduct of mulberry leaves exerts anticancer effect through autophagy-mediated cell death Yu-han Shu, Hua-hua Yuan, Meng-ting Xu, Ye-ting Hong, Cheng-cheng Gao, Zhi-pan Wu, Hao-te Han, Xin Sun, Rui-lan Gao, Si-fu Yang, Shou-xin Li, Jing-kui Tian and Jian-bin Zhang

- 791 10,11-dehydrocurvularin exerts antitumor effect against human breast cancer by suppressing STAT3 activation
Qun Zhao, Yun Bi, Jing Zhong, Xiang Li, Jian Guo, Ying-xiang Liu, Long-rui Pan, Yan Tan, Zhang-shuang Deng and Xian-jun Yu
- 801 Identification and characterization of isocitrate dehydrogenase 1 (IDH1) as a functional target of marine natural product grincamycin B
Zheng Wang, Zeng-xia Li, Wen-cao Zhao, Hong-bo Huang, Jia-qi Wang, Hao Zhang, Jun-yan Lu, Rui-na Wang, Wei Li, Zhao Cheng, Wen-long Xu, Di Zhu, Li-sha Zhou, Wei Jiang, Long Yu, Jun-yan Liu, Cheng Luo, Heng Zhu, Dan Ye, Wei-jun Pan, Jian-hua Ju and Yong-jun Dang
- 814 Activation of unfolded protein response overcomes Ibrutinib resistance in diffuse large B-cell lymphoma
Xiao-tuan Zhang, Xiao-bei Hu, Han-lin Wang, Wei-juan Kan, Lei Xu, Zhi-jia Wang, Yu-qi Xiang, Wen-biao Wu, Bo Feng, Jia-nan Li, An-hui Gao, Tian-cheng Dong, Chun-mei Xia, Yu-bo Zhou and Jia Li
- 824 Feasibility study of ⁶⁸Ga-labeled CAR T cells for in vivo tracking using micro-positron emission tomography imaging
Xin-yu Wang, Yan Wang, Qiong Wu, Jing-jing Liu, Yu Liu, Dong-hui Pan, Wei Qi, Li-zhen Wang, Jun-jie Yan, Yu-ping Xu, Guang-ji Wang, Li-yan Miao, Lei Yu and Min Yang
- Pharmaceutics** 832 Lipid/PAA-coated mesoporous silica nanoparticles for dual-pH-responsive codelivery of arsenic trioxide/paclitaxel against breast cancer cells
Bing-bing Zhang, Xiao-jie Chen, Xu-dong Fan, Jing-jing Zhu, Ying-hui Wei, Hang-sheng Zheng, Hong-yue Zheng, Bin-hui Wang, Ji-gang Piao and Fan-zhu Li
- Publisher Correction** 843
844
- Cover** Drp1 can be SUMOylated by both SUMO-1 and SUMO-2/3. SUMO-1-ylation and deSUMO-2/3-ylation of Drp1 promotes its association with mitochondrial outer membrane (MOM), which facilitates mitochondrial fission and activates mitophagy. On the contrary, SUMO-2/3-ylation and deSUMO-1-ylation of Drp1 lead to accumulation of defective mitochondria and cardiomyocyte apoptosis. See the article in pages 655–664.

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