

Publication List

- [1] Jing, W#, Dong, S#, Xu, Y#, **Liu, J#**, Ren, J, Liu, X, Zhu, M, Zhang, M, Shi, H, Li, N, Xia, P, Lu, H*, & Wang, S*. Gut microbiota-derived tryptophan metabolites regulated by Wuji Wan to attenuate colitis through AhR signaling activation. *Acta Pharmaceutica Sinica B*, 2025; 15(1), 205-223. (IF: 14.3) **共同第一作者**.
- [2] Fu, M#, Li, Y#, **Liu, J#**, Liu, J#, Wei, J, Qiao, Y, Zhong, H, Han, D, Lu, H*, & Yao, L*. Zhishi Xiebai Guizhi Decoction modulates hypoxia and lipid toxicity to alleviate pulmonary vascular remodeling of pulmonary hypertension in rats. *Chinese Medicine*, 2024; 19(1), 173. (IF: 5.3) **共同第一作者**.
- [3] **Liu, J#**, Bao, C#, Zhang, J#, Han, Z*, Fang, H*, & Lu, H*. Artificial intelligence with mass spectrometry-based multimodal molecular profiling methods for advancing therapeutic discovery of infectious diseases. *Pharmacology and Therapeutics*, 2024; 263(108712). (IF: 13.4) **共同第一作者**.
- [4] Zhou, Y#, Ni, Z#, **Liu, J#**, Sun, D#, Chen, X, Li, G, Shen, P, Bai, Z, Hu, Y, Wang, N, Wang, R, Guan, L, Wang, Y, Tang, X, He, B, Lu, H, Zhou, W, Gao, Y. (2025). Gut Microbiota-associated Metabolites Affected the Susceptibility to Heart Health Abnormality in Young Migrants at High-altitude. *Exploration*, 2025; Just be Accepted. **共同第一作者**.
- [5] **Liu, J.**, Jing, W., Wang, T., Hu, Z., & Lu, H*. Functional metabolomics revealed the dual-activation of cAMP-AMP axis is a novel therapeutic target of pancreatic cancer. *Pharmacological Research* 2023; 187(106554). (IF: 10.3) **唯一第一作者**
- [6] **Liu, J.**, Luo, X., Guo, R., Jing, W., & Lu, H*. Cell Metabolomics Reveals Berberine-Inhibited Pancreatic Cancer Cell Viability and Metastasis by Regulating Citrate Metabolism. *J Proteome Res* 2020; 19(9):3825-3836. (IF: 5.3) **唯一第一作者**
- [7] Wang T#, **Liu J#**, Luo X#, Hu, L#, and Lu, H* Functional metabolomics innovates therapeutic discovery of traditional Chinese

medicine derived functional compounds. *Pharmacol Therapeut* 2021; 224(107824). (IF: 13.4) 共同第一作者

[8] Hu L#, **Liu J#**, Zhang W#, Wang, T#, Lu, H*.et al. Functional Metabolomics Decipher Biochemical Functions and Associated Mechanisms Underlie Small-Molecule Metabolism. *Mass Spectrometry Reviews* 2020; 39(5-6):417-433. (IF: 9.0) 共同第一作者

[9] Luo X, **Liu J**, Lu, H*. et al. Metabolomics identified new biomarkers for the precise diagnosis of pancreatic cancer and associated tissue metastasis. *Pharmacological Research* 2020; 156(104805). (IF: 10.3)

[10] Guo R#, Luo X#, **Liu J#**, and Lu, H*. Omics strategies decipher therapeutic discoveries of traditional Chinese medicine against different diseases at multiple layers molecular-level. *Pharmacological Research* 2020; 152(104627). (IF: 10.3) 共同第一作者

[11] Jing W, Dong S, Luo X, **Liu J**, et al. Berberine improves colitis by triggering AhR activation by microbial tryptophan catabolites. *Pharmacological Research* 2021; 164(105358). (IF: 10.3)

[12] Wang T, Hu L, Lu J, Xiao M, **Liu J**, Xia H, & Lu, H*. Functional metabolomics revealed functional metabolic-characteristics of chronic hepatitis that is significantly differentiated from acute hepatitis in mice. *Pharmacological Research* 2022; 180(106248). (IF: 10.3)

[13] Guo R, Luo X, **Liu J**, Lu, H*. Mass spectrometry based targeted metabolomics precisely characterized new functional metabolites that regulate biofilm formation in *Escherichia coli*. *Anal Chim Acta* 2021; 1145(26-36). (IF: 6.911)

[14] Wang T, Guo R, Hu L, **Liu J**, and Lu H. Mass Spectrometry-Based Targeted Metabolomics Revealed the Regulatory Roles of Magnesium on Biofilm Formation in *Escherichia coli* by Targeting Functional Metabolites. *J Anal Test* 2022; 6(2):89-97.

[15] 王天宇,刘京净,胡龙龙,罗夏琳,吕海涛. 新型冠状病毒肺炎临床诊治及质谱组学研究进展. *分析试验室*, 2021,40(10):1117-1128.