

## Published papers (2024)

備註: 影響因數超過 4 或學科排名 15%以內的期刊論文

**Note: Publication with impact factor of more than 4 or subjects ranked less than 15%**

1. C Chen, Z Cao, H-H Lei, C Zhang, M-J Wu, S-H Huang, X-Z Li, D-H Xie\*, M-L Liu, L-M Zhang\* and G Chen\*. **Microbial tryptophan metabolites ameliorate ovariectomy-induced bone loss by repairing intestinal AhR-mediated gut-bone signaling pathway.** *Adv Sci*. In Press.
2. J-J Li, Y-H Zheng, Z-Z Duan, Q-Y Zeng, J Qu, J-C Zhang, J Liu, W-L Shang, X-X Tao, T-T Yu, X-Z Li, L-F Wang, L-M Yang, D-P Kong\* and Y Yu\*. **PGD<sub>2</sub>/DP1 axis promotes liver regeneration by secreting Wnt2 in Kupffer cells in mice.** *Hepatology*. In Press.
3. Y-Y Liang, S-J Qiu, Y-W Zou, E-L-H Leung\* and L-X Luo\*. **Ferroptosis-modulating natural products for targeting inflammation-related diseases: Challenges and opportunities in manipulating redox signaling.** *Antioxid Redox Signal*. In Press.
4. D-C Zheng, J-Q Hu, C-T Mai, L Huang, H Zhou, L-L Yu\* and Y Xie\*. **Liver X receptor inverse agonist SR9243 attenuates rheumatoid arthritis via modulating glycolytic metabolism of macrophages.** *Acta Pharmacol Sin*. In Press.
5. Y-F Shen, Y Yang, Z Wang, W-J Lin, N Feng, M-N Shi, J-C Liu and W-Z Ma\*. **Coptisine exerts anti-tumour effects in triple-negative breast cancer by targeting mitochondrial complex I.** *Br J Pharmacol*. In Press.
6. Y Zhang, J-Y Yan, Y-K Yang, F-F Xiang\*. **Hotspots and frontier trends of total wrist arthroplasty: A bibliometric analysis.** *Asian J Surg*. In Press.
7. L-X Wang, Q-B Wu, H Chi and G-H Yang\*. **Letter to the editor for the article "Efficacy and safety of neoadjuvant sintilimab in combination with FLOT chemotherapy in patients with HER2-negative locally advanced gastric or gastroesophageal junction adenocarcinoma: An investigator-initiated, single-arm, open-label, phase II study".** *Int J Surg*. In Press.
8. M-M Wang, Y Zhao, J Liu, R-R Fan, Y-Q Tang, Z-Y Guo and T Li\*. **The role of the cGAS-STING signaling pathway in viral infections, inflammatory and autoimmune diseases.** *Acta Pharmacol Sin*. In Press.
9. J-A Lu, H Chi, G-H Yang and Q-B Wu\*. **Letter to the editor for the article "Comparative dose-response study on the infusion of norepinephrine combined with intravenous ondansetron versus placebo for preventing hypotension during spinal anesthesia for cesarean section: A randomised controlled trial".** *Int J Surg*. In Press.
10. Z-F Deng, X-Y Chen, R Zhang, L-C Kong, Y Fang, J-Z Guo, B Shen and L-S Zhang\*. **Delta opioid peptide [D-ala<sup>2</sup>, D-leu<sup>5</sup>]-Enkephalin's ability to enhance mitophagy via TRPV4 to relieve ischemia/reperfusion injury in brain microvascular endothelial cells.** *Stroke Vasc Neurol*. In Press.
11. X-M Yang, H Yu, J-X Li, N Li, C Li, D-H Xu, H Zhang, T-H Fang, S-J Wang\*, P-Y Yan\* and B-B Han\*. **Excitotoxic storms of ischemic stroke: A non-neuronal perspective.** *Mol Neurobiol*. In Press.
12. X-M Mao, X-L Yin, Y Yang, Y Che, X-Q Xu, Y Deng, L-G Li and T Zhang\*. **Standardization in global environmental antibiotic resistance genes (ARGs) surveillance.** *Crit Rev Environ Sci Technol*. In Press.
13. C Liu, Y Yu, L-G Fang, J Wang, C-J Sun, H-Y Li, J Zhuang and C-G Sun\*. **Plant-derived nanoparticles and plant virus nanoparticles: Bioactivity, health management, and delivery potential.** *Crit Rev Food Sci Nutr*. In Press.

14. T Haewphet, S Parhira, P Chaisupasakul, A Wangteeraprasert, I Phoungpetchara, D Pekthong, W Kaewkong, [Z-H Jiang](#), [L-P Bai](#), J Somran\* and P Srisawang\*. **The dichloromethane fraction from *Calotropis gigantea* (L.) Dryand. stem bark extract prevents liver cancer in SDT rats with insulin-independent diabetes mellitus.** *J Ethnopharmacol.* 2024;334:118516.
15. T-T Gao, [J-B Liu](#), N Huang, Y-X Zhou, C-L Li, Y-T Chen, Z-F Hong, X-Y Deng\* and X-L Liang\*. **Sangju Cold granule exerts anti-viral and anti-inflammatory activities against influenza A virus in vitro and in vivo.** *J Ethnopharmacol.* 2024;334:118521.
16. [Y Tang](#), J Wei, X-F Wang, T Long, X-H Xiang, [L-Q Qu](#), [X-X Wang](#), C-L Yu, X-L Xiao, X-Y Hu, J Zeng, Q Xu, A-G Wu, J-M Wu, D-L Qin\*, X-G Zhou\* and [B-Y-K Law\\*](#). **Activation of autophagy by *Citri Reticulatae* semen extract ameliorates amyloid-beta-induced cell death and cognition deficits in Alzheimer's disease.** *Neural Regen Res.* 2024;19(11):2467-2479.
17. [J-Z Liu](#), [T Xu](#), J-J Ding, [H-Y Wen](#), [J-R Meng](#), [Q Liu](#), [X-M Liu](#), [W Zhang](#), [G-Y Zhu](#), [Z-H Jiang\\*](#), J Gao\* and [L-P Bai\\*](#). **Discovery of anti-melanogenic components in persimmon (*Diospyros kaki*) leaf using LC-MS/MS-MN, AlphaFold2-enabled virtual screening and biological validation.** *Food Chem.* 2024;455:139814.
18. [Z-W Ma](#), J-Y Mou, Q Yuan, Z-Y Wang, [Q-H Liu](#), B Deng, Y-D Zhang\*, D-Q Tang\* and L Wang\*. **Molecular exploration of the diurnal alteration of glycogen structural fragility and stability in time-restricted-feeding mouse liver.** *Int J Biol Macromol.* 2024;277(Part 2):134225.
19. Z-D Cai, Z-J Jiang, S-B Li, S-S Mo, S Wang, M Liang, X Tan, [W-D Zhong](#), L Zhang, J-H Deng\*, C-F Zhong\* and J-M Lu\*. **RNA modification regulators' co-expression score (RMRCoeS) predicts biochemical recurrence and therapy response in prostate cancer: A multi-omics and experimental validation study.** *Int Immunopharmacol.* 2024;139:112723.
20. Y-Q Song, Y-W Xu, [L-J Yang](#), L Wang, S-Z Jing, G-J Yang, D-S-H Chan, C-Y Wong, W-H Wang\*, [V-K-W Wong\\*](#) and C-H Leung\*. **Probing the AFF4-CCNT1 protein-protein interaction using a metal-organic conjugate for treating triple-negative breast cancer.** *Chem Eng J.* 2024;496:153685.
21. R Sharma, R Sharma, L Yadav, N-K Sahu, M Mathur, D-K Yadav, R Pratap, F Abuyousef, S-K Ippagunta, N Saleh\*, [P-S Coghi\\*](#) and S Chaudhary\*. **Chemo-/regio-selective ultrasound-assisted synthesis of new spirooxindole-pyrrolidines/spirooxindole-pyrrolizines: Synthesis, antimicrobial and antitubercular activities, SAR and in silico studies.** *J Mol Struct.* 2024;1311:138377.
22. H-D Liu, L Kong, D-D Cao, X-N Zhan, X Gao, H Sun\*, G-L Yan, Q-Q Zhao, Y Han, [X-J Wang\\*](#). **Efficacy and mechanism of the Ermiao San series of formulas for rheumatoid arthritis based on Chinmedomics strategy.** *Phytomedicine.* 2024;132:155903..
23. [Z-Y Li](#), Y Du, Y Lu, X-Y Ma, F Li, P-Y Zeng, T Zhang, Y-Q He, [P Luo](#) and J-B Wu\*. **Hypericum perforatum-derived exosomes-like nanovesicles for adipose tissue photodynamic therapy.** *Phytomedicine.* 2024;132:155854.
24. [Y-Q Wu](#), Y-H Guan, P-L Huang, H Chen, [L-P Bai](#) and [Z-H Jiang\\*](#). **Preparation of norovirus GII loop mediated isothermal amplification freeze-drying microsphere reagents and its application in an on-site integrated rapid detection platform.** *Chin Chem Lett.* 2024;35(9):109308.
25. Y-F Cao, Z-L You, Y-J Cao, Y-L Li, [V-K-W Wong](#), M Chen, K Zhang and W-F Liu\*. **Synthesis and in vitro characterization of naproxen derivatives as novel anti-inflammatory agents.** *J Mol Struct.* 2024;1309:138158.
26. C Zeng, S-R Wan, M Guo, X-Z Tan, [Y Zeng](#), [Q Wu](#), J-J Xie, P-J Yan, Y Long, L-M Zheng, Z-Z Jiang, F-Y Teng\* and Y Xu\*. **Fecal virome transplantation: A promising strategy for the treatment of metabolic diseases.** *Biomed Pharmacother.* 2024;177:117065.
27. [G Tu](#), [Y-G Gong](#), X-J Yao\*, Q Liu, W-W Xue\* and R-Zhang\*. **Pathways and mechanism of MRTX1133 binding to KRAS G12D elucidated by molecular dynamics simulations and Markov state models.** *Int J Biol Macromol.* 2024;274(Part 2):133374.
28. [Z Tang](#), [X-C Zhang](#), [S-Y Meng](#), [X Yi](#), [Y-H Liu](#), [K-F Wu](#), [Y Li](#), S-J Peng, H Gao, [M-R Du\\*](#), [Y-Z Zhu\\*](#) and [X-L Wang\\*](#). **Cell membrane camouflaged and ROS responsive nanosomes for**

- targeted endometriosis therapy via reversing inflammatory, low-autophagy, and immunotolerant microenvironment.** *Chem Eng J.* 2024;493:152697.
29. G-X Huang\*, Y-L Zheng, N Zhang, G-H Huang, W-J Zhang, Q-N Li and X-C Ren\*. **Desulfovibrio vulgaris caused gut inflammation and aggravated DSS-induced colitis in C57BL/6 mice model.** *Gut Pathog.* 2024;16(1):39.
  30. P-G Zhang, L-L Zheng, X-R Zhang, M Liu, M-L Li, M-T Zhang, J-L Wu, M-M-F Choi and W Bian\*. **Mesoporous graphene oxide nanocomposite effective for combined chemo/photo therapy against non-small cell lung cancer.** *Int J Nanomedicine.* 2024;19:7493-7508.
  31. X Ma, L-J Dai, C-L Tan, J-C Li, X-J He, Y-F Wang, J-Y Xue, M Huang, J-W Ren, Y Xia, Q Wu, H Zhao, W-Y Chan and B Feng\*.  **$\beta$ -catenin mediates endodermal commitment of human ES cells via distinct transactivation functions.** *Cell Biosci.* 2024;14(1):96.
  32. D Wang, L Liu, X-Q Xu, C-X Wang, Y-L Wang, Y Deng and T Zhang\*. **Distributions, interactions, and dynamics of prokaryotes and phages in a hybrid biological wastewater treatment system.** *Microbiome.* 2024;12(1):134.
  33. X-H Zhao, L-Z Zhai, J-W Chen, Y-Z Zhou, J-H Gao, W-X Xu, X-W Li, K-X Liu, T Zhong, Y Xiao and X Yu\*. **Recent advances in microfluidics for the early detection of plant diseases in vegetables, fruits, and grains caused by bacteria, fungi, and viruses.** *J Agric Food Chem.* 2024;72(28):15401-15415.
  34. S Wang, B-H Chen, R-L Du, M Zhang, C-M Zhang, X-M Jin, X Cui, Y-H Zhou, Q-Y Kang, H Xu, Y-T Li, Q-B Wu\*, G-D Tong\* and L-D Luo\*. **An herbal formulation "Shugan Xiaozhi decoction" ameliorates methionine/choline deficiency-induced nonalcoholic steatohepatitis through regulating inflammation and apoptosis-related pathways.** *J Ethnopharmacol.* 2024;329:118127.
  35. Y-F Wang, S-J Jia, F Wang, R-Z Jiang, X-D Yin, S Wang, R-Y Jin, H Guo, Y-P Tang and Y-W Wang\*. **3D-QSAR, scaffold hopping, virtual screening, and molecular dynamics simulations of Pyridin-2-one as mIDH1 inhibitors.** *Int J Mol Sci.* 2024;25(13):7434.
  36. W-F Yan, D Wang, Y-B Wang, C-X Wang, X Chen, L Liu, Y-L Wang, Y-Y Li, Y Kamagata, M-K Nobu and T Zhang\*. **Metatranscriptomics-guided genome-scale metabolic reconstruction reveals the carbon flux and trophic interaction in methanogenic communities.** *Microbiome.* 2024;12(1):121.
  37. Y Zhang, F Xu, T Wang, Z-F Han, H Shang, K Han, P Zhu, S Gao, X-J Wang, Y-L Xue, C Huang, Y Chen\* and G-Y Liu\*. **Shared genetics and causal association between plasma levels of SARS-CoV-2 entry receptor ACE2 and Alzheimer's disease.** *CNS Neurosci.* 2024;30(7):e14873.
  38. W-L Liao, R Zhang, G Chen, X-Y Zhu, W-Y Wu, Z-Y Chen, C-Y Jiang, Z-C Lin, L-J Ma and H-J Yu\*. **Berberine synergises with ferroptosis inducer sensitizing NSCLC to ferroptosis in p53-dependent SLC7A11-GPX4 pathway.** *Biomed Pharmacother.* 2024;176:116832.
  39. M-R Yang, Y-F Mu, X-Y Yu, D-D Gao, W-F Zhang, Y Li, J-Y Liu, C-G Sun\* and J Zhuang\*. **Survival strategies: How tumor hypoxia microenvironment orchestrates angiogenesis.** *Biomed Pharmacother.* 2024;176:116783.
  40. X Jiang, D-B Li, M Maghsoudloo, X-H Zhang, W-Z Ma\* and J-J Fu\*. **Targeting furin, a cellular proprotein convertase, for COVID-19 prevention and therapeutics.** *Drug Discov Today.* 2024;29(7):104026.
  41. M Yang, X-Q Zheng, J-J Fan, W Cheng, T-M Yan, Y-S Lai, N-P Zhang, Y Lu, J-L Qi, Z-Y Huo, Z-H Xu, J Huang, Y-T Jiao, B-D Liu, R Pang, X Zhong, S Huang, G-Z Luo, G Lee, C Jobin, A-M Eren, E-B Chang, H Wei\*, T Pan\* and X-Y Wang\*. **Antibiotic-induced gut microbiota dysbiosis modulates host transcriptome and m<sup>6</sup>A epitranscriptome via bile acid metabolism.** *Adv Sci.* 2024;11(28):e2307981.
  42. Y Chen, J-H Zheng, L-X Mo, F-S Chen, R-P Li, Y-Y Wang, Q-H Liang, Z-Y Chen, W-Q Dai, L-S Chen, P-Y Yan, H Zhou\* and X-J Li\*. **Oroxylin A suppresses breast cancer-induced**

- osteoclastogenesis and osteolysis as a natural RON inhibitor.** *Phytomedicine.* 2024;129:155688.
43. S-Y Liang, J-L Lin, M-J Xiao, T-M Shi, Y Song, T-B Zhang, X Zhou, R-F Li, X Zhou, Z-F Yang\* and H-H Ti\*. **Effect of Haoqin Qingdan Tang on influenza A virus through the Janus kinase/signal transducer and activator of transcription (JAK/STAT) pathway.** *Phytomedicine.* 2024;129:155680.
  44. X-X Fan\*. **Unraveling the dynamic interplay between mechanical stress and bone homeostasis.** *Phys Life Rev.* 2024;49:132-133.
  45. B-L Sun\*, X Cheng and Q Wu\*. **The endometrial stem/progenitor cells and their niches.** *Stem Cell Rev Rep.* 2024;20(5):1273-1284.
  46. S Zhang, F Yan, F Luan, Y Chai, N Li\*, Y-W Wang, Z-L Chen, D-Q Xu and Y-P Tang\*. **The pathological mechanisms and potential therapeutic drugs for myocardial ischemia reperfusion injury.** *Phytomedicine.* 2024;129:155649.
  47. Q-Q Zhou, Y-P Wu, P Luo, W-Z Deng, Y-H Lu, H-B Gong, X-M Lin, W-Y Sun, R Wang, F Huang, Y-F Cao, Y-F Li, H Kurihara, S-H Ouyang\*, L Liang\* and R-R He\*. **Regulation of hepatocyte phospholipid peroxidation signaling by a Chinese patent medicine against psychological stress-induced liver injury.** *Phytomedicine.* 2024;129:155613.
  48. W-T Wang, Y-Y Zhang, Z-R Li, J-M Li, H-S Deng, Y-Y Li, H-Y Yang, C-C Lau, Y-J Yao, H-D Pan, L Liu, Y Xie\* and H Zhou\*. **Syringic acid attenuates acute lung injury by modulating macrophage polarization in LPS-induced mice.** *Phytomedicine.* 2024;129:155591.
  49. S-Y Zhang, D-M Ma, K Wang, Y Li, Z-N Yang, X-X Li, J-N Li, J-N He, L-H Mei, Y-L Ye, Z-S Chen, J-W Shen, P-P Hou, J-T Guo\*, Q-S Zhang\* and H-Y Yang\*. **A small-molecule activation mechanism that directly opens the KCNQ2 channel.** *Nat Chem Biol.* 2024;20(7):847-856.
  50. J Lin\*, Y-W Wu, G-D Liu, R Cui and Y-H Xu\*. **Advances of ultrasound in tumor immunotherapy.** *Int Immunopharmacol.* 2024;134:112233.
  51. J-L Chen, X-H Jia, X Wu, M-H Yuan, X-Y Xia, D Yin, X Chen, Z-Y Gu, J-Z Liu, L-P Bai, K-Q Luo, J-F Wang and X-M Zhu\*. **Kidney-targeted antioxidant salvianolic acid B nanoparticles restoring lysosome homeostasis for acute kidney injury therapy.** *Chem Eng J.* 2024;490:151811.
  52. C-M Wei, M-N Shi, Z Wang, W-J Lan, N Feng, F-M Zhang, J-C Liu, J-Y Lang, W-J Lin and W-Z Ma\*. **Epiberberine inhibits bone metastatic breast cancer-induced osteolysis.** *J Ethnopharmacol.* 2024;327:118039.
  53. D Wang, J-H Lu\*, J-M Zhou and V-K-W Wong. **Useful or not? The discussion of traditional Chinese medicine to treat COVID-19 on a Chinese social networking site.** *BMJ Glob Health.* 2024;9(6):e014398.
  54. M-H Tan, Y-D Liu, Y Xu, G Yan, N Zhou, H-R Chen, Z-H Jiang and L-H Peng\*. **Plant-derived exosomes as novel nanotherapeutics contrive glycolysis reprogramming-mediated angiogenesis for diabetic ulcer healing.** *Biomater Res.* 2024;28:0035.
  55. H-C He, W-J Zheng, S Xiao, L Gong, H Li, K-X Zhou, L-T Zhang, Q Tu, Y-Z Zhu and Y-M Zhang\*. **Deciphering the nitrogen fixation gene cluster in *Vibrio natriegens*: A study on optimized expression and application of nitrogenase.** *J Agric Food Chem.* 2024;72(22):12618-12629.
  56. B Ran, X-H Ren, X-Y Lin, Y-P Teng, F-Y Xin, W-Z Ma, X-Y Zhao, M-W Li, J-H Wang, C-F Wang, L-X Sun\* and J-W Zhang\*. **Glycyrrhetic acid loaded in milk-derived extracellular vesicles for inhalation therapy of idiopathic pulmonary fibrosis.** *J Control Release.* 2024;370:811-820.
  57. Q-X Chen, M-M Wu, Q Tang, P-Y Yan and L-W Zhu\*. **Age-related alterations in immune function and inflammation: Focus on ischemic stroke.** *Aging Dis.* 2024;15(3):1046-1074.
  58. D Luo, F He, J-Y Liu, X-T Dong, M-Y Fang, Y-L Liang, M-Q Chen, X-M Gui, W-J Wang, L Zeng\*, X-M Fan\* and Q-B Wu\*. **Pseudolaric acid B suppresses NSCLC progression through the ROS/AMPK/mTOR/autophagy signalling pathway.** *Biomed Pharmacother.* 2024;175:116614.
  59. Y-J Guo, J-J Yao, Z-Z Guo, M Ding, K-L Zhang, Q-H Shen, Y Li, S-F Yu, T Wan, F-P Xu, Y Wang, X-X Qi, J-J Wu, J-X Chen\*, Z-Q Liu\* and L-L Lu\*. **HBB contributes to individualized**

- aconitine-induced cardiotoxicity in mice via interfering with ABHD5/AMPK/HDAC4 axis. *Acta Pharmacol Sin.* 2024;45(6):1224-1236.
60. X Luo, D-D Li, Z-C Li, Z-X Li, D-H Zou, F Huang, G Wang, R Wang, Y-F Cao, W-Y Sun, H Kurihara, L Liang, Y-F Li, W Jin\*, Y-P Wu\* and R-R He\*. **Mitigating phospholipid peroxidation of macrophages in stress-induced tumor microenvironment by natural ALOX15/PEBP1 complex inhibitors.** *Phytomedicine.* 2024;128:155475.
  61. Y-Z Zhang, H-L Lai, C Huang, Z-B Jiang, H-X Yan, X-R Wang, C Xie, J-M Huang, W-K Ren, J-X Li, Z-R Zhai, X-J Yao\*, Q-B Wu\* and E-L-H Leung\*. **Tanshinone IIA induces ER stress and JNK activation to inhibit tumor growth and enhance anti-PD-1 immunotherapy in non-small cell lung cancer.** *Phytomedicine.* 2024;128:155431.
  62. W Lei, M-H Chen, Z-F Huang, X-Y Chen, J-X Wang, J Zheng, Y-Z Zhu, X-Z Lan\* and Y He\*. **Salidroside protects pulmonary artery endothelial cells against hypoxia-induced apoptosis via the AhR/NF-kappaB and Nrf2/HO-1 pathways.** *Phytomedicine.* 2024;128:155376.
  63. X-M Huang, N Liang, F-M Zhang, W-J Lin and W-Z Ma\*. **Lovastatin-induced mitochondrial oxidative stress leads to the release of mtDNA to promote apoptosis by activating cGAS-STING pathway in human colorectal cancer cells.** *Antioxidants.* 2024;13(6):679.
  64. C-Y Jiang, Z-Y Chen, W-L Liao, R Zhang, G Chen, L-J Ma\* and H-J Yu\*. **The medicinal species of the Lycium Genus (Goji Berries) in east asia: A review of its effect on cell signal transduction pathways.** *Plants.* 2024;13(11):1531.
  65. J Zhang, J-L Lv, G-D Zhuang, J-J Zhang, F Hu and Y-S Chen\*. **The evaluation of the phytochemical profiles and antioxidant and  $\alpha$ -glucosidase inhibitory activities of four herbal teas originating from China: A comparative analysis of aqueous and ethanol infusions.** *Foods.* 2024;13(11):1705.
  66. W-S Li, Q Zhou, B Lv, N Li, X-Q Bian, L-R Chen, M-J Kong, Y-R Shen, W-W Zheng, J Zhang, F-F Luo, Z-G Luo\*, J Liu\* and J-L Wu\*. **Ganoderma lucidum polysaccharide supplementation significantly activates T-cell-mediated antitumor immunity and enhances anti-PD-1 immunotherapy efficacy in colorectal cancer.** *J Agric Food Chem.* 2024;72(21):12072-12082.
  67. Y-L Hu, W-J Zang, Y Feng, Q-S Mao, J-J Chen, Y-Z Zhu\* and W-J Xue\*. **mir-605-3p prevents liver premetastatic niche formation by inhibiting angiogenesis via decreasing exosomal nos3 release in gastric cancer.** *Cancer Cell Int.* 2024;24(1):184.
  68. R Cheng, X-W Wang, L-H Huang, Z-S Lu, A-J Wu, S Guo, C Li, W Mao, Y Xie\*, P Xu\* and R-M Tian\*. **Novel insights into the protective effects of leonurine against acute kidney injury: Inhibition of ER stress-associated ferroptosis via regulating ATF4/CHOP/ACSL4 pathway.** *Chem Biol Interact.* 2024;395:111016.
  69. Y Zhou, Y-H Bai, F-X Han, X Chen, F-S Wu, Q Liu\*, W-Z Ma\* and Y-Q Zhang\*. **Transcriptome sequencing and metabolome analysis reveal the molecular mechanism of Salvia miltiorrhiza in response to drought stress.** *BMC Plant Biol.* 2024;24(1):446.
  70. F Ren, S-Q Zhao, X He, H-H Lo, V-K-W Wong, B-Y-K Law, A-G Wu and J Zhang\*. **Discovery and mechanistic study of Imperatorin that inhibits HBsAg expression and cccDNA transcription.** *J Med Virol.* 2024;96(5):e29669.
  71. J-W Zheng, Q-Q Wang, J-H Chen, G-D Cai, Z-H Zhang, H-Y Zou, J-X Zou, Q-Q Liu, S-F Ji, G-L Shao, H Li, S Li, H-W Chen, L-L Lu, Y-Q Yuan\*, P-Q Liu\* and J-J Wang\*. **Tumor mitochondrial oxidative phosphorylation stimulated by the nuclear receptor ROR  $\gamma$  represents an effective therapeutic opportunity in osteosarcoma.** *Cell Rep Med.* 2024;5(5):101519.
  72. Y-H Li, Y-F Sang, Y-J Chang, C-F Xu, Y-K Lin, Y Zhang, P-C-N Chiu, W-S-B Yeung, H-S Zhou, N-Z Dong, L Xu, J-J Chen, W-J Zhao, L Liu, D Yu, X-X Zang, J-F Ye, J-Y Yang\*, Q-Y Wu, D-J Li\*, L-G Wu\* and M-R Du\*. **A galectin-9-driven CD11chigh decidual macrophage subset suppresses uterine vascular remodeling in preeclampsia.** *Circulation.* 2024;149(21):1670-1688.
  73. Z Tang, S-Y Meng, X-X Yang, Y Xiao, W-T Wang, Y-H Liu, K-F Wu, X-C Zhang, H Guo, Y-Z Zhu\* and X-L Wang\*. **Neutrophil-mimetic, ROS responsive, and oxygen generating**

- nanovesicles for targeted interventions of refractory Rheumatoid arthritis.** *Small*. 2024;20(20):e2307379.
74. X-W Zheng, K-Y Zhao, B-J Xue, Y Deng, X-Q Xu, W-F Yan, C Rong, K Leung, J-T Wu, G-M Leung, M Peiris, L-L-M Poon and T Zhang\*. **Tracking diarrhea viruses and mpox virus using the wastewater surveillance network in Hong Kong.** *Water Res*. 2024;255:121513.
75. S-K Gu, Y-W Yang, Y-H Zhao, J-Y Qiu, X-R Wang, H-H-Y Tong, L-W Liu, X-Z Wan, H-X Liu\*, T-J Hou\* and Y Kang\*. **Evaluation of AlphaFold2 structures for hit identification across multiple scenarios.** *J Chem Inf Model*. 2024;64(9):3630-3639.
76. S Yang, Z-D Han, Z-H Tan, Z-J Wu, J-H Ye, S-H Cai, Y-F Feng, H-C He, B-Y Wen, X-J Zhu, Y-K Ye, H-T Huang, S Wang\*, W-D Zhong\* and Y-L Deng\*. **Machine learning-based integration develops a stress response stated T cell (Tstr)-related score for predicting outcomes in clear cell renal cell carcinoma.** *Int Immunopharmacol*. 2024;132:112017.
77. J-H Zou, M Li, Z-W Liu, W Luo, S-Q Han, F Xiao, W Tao, Q-B Wu\*, T Xie\* and N Kong\*. **Unleashing the potential: Integrating nano-delivery systems with traditional Chinese medicine.** *Nanoscale*. 2024;16(18):8791-8806.
78. C-F Xu, W-J Zhao, L-J Peng, T-X Yin, J-N Guo, Y Li, L Liu, J-Y Yang, C-J Xu\* and M-R Du\*. **PRDM14 extinction enables the initiation of trophoblast stem cell formation.** *Cell Mol Life Sci*. 2024;81(1):203.
79. W-J Xie, Y-X Zhang, Q-F Xu, G-W Zhong, J-D Lin, H-C He, Q-L Du, H-J Tan, M-Q Chen, Z-J Wu, Y-L Deng, Z-D Han, J-M Lu, J-H Ye, F Zou, Y-J Zhou\* and W-D Zhong\*. **A unique approach: Biomimetic graphdiyne-based nanoplatform to treat prostate cancer by combining cuproptosis and enhanced chemodynamic therapy.** *Int J Nanomedicine*. 2024;19:3957-3972.
80. L Fu, Q Wu\* and J-J Fu\*. **Exploring the biological roles of DHX36, a DNA/RNA G-quadruplex helicase, highlights functions in male infertility: A comprehensive review.** *Int J Biol Macromol*. 2024;268(Part 2):131811.
81. X-L Tan, Z-Y Wang, U Cheung, Z-X Hu, Q-H Liu, L Wang, M-A Sullivan, D Cozzolino and R-G Gilbert\*. **Liver glycogen fragility in the presence of hydrogen-bond breakers.** *Int J Biol Macromol*. 2024;268(Part 1):131741.
82. P-Y Li, Z-X Jiang, T-X Liu, X-Y Liu, H Qiao and X-J Yao\*. **Improving drug response prediction via integrating gene relationships with deep learning.** *Brief Bioinform*. 2024;25(3):bbae153.
83. Z-X Kou, C Liu, W-F Zhang, C-G Sun, L-J Liu\* and Q-M Zhang\*. **Heterogeneity of primary and metastatic CAFs: From differential treatment outcomes to treatment opportunities (Review).** *Int J Oncol*. 2024;64(5):54.
84. H-Y Cen, M-N Sun, B-Y Zheng, W-J Peng, Q-Q Wen, Z-X Lin, X Zhang, N Zhou, G-X Zhu, X-Y Yu\*, L-M Zhang\* and L Liang\*. **Hyaluronic acid modified nanocarriers for aerosolized delivery of verteporfin in the treatment of acute lung injury.** *Int J Biol Macromol*. 2024;267(Part 1):131386.
85. Y-J Xie, S Tian, M Huang, L-L Lu, Z-Q Liu, J-H Chen\* and X-X Fan\*. **Depletion of regulatory T cells enhancing the anti-tumor effect of in situ vaccination in solid tumors.** *Pharmacol Res*. 2024;203:107174.
86. P Wang, X-L Liu, Z-Z Jiang, Y Long, C-L Gao, W Huang, X-Z Tan, X-M Ma\* and Y Xu\*. **Effect of proanthocyanidins on blood lipids: A systematic review and meta-analysis.** *Phytother Res*. 2024;38(5):2154-2164.
87. P-L Lyu, J-Z Liu, Y-H Zhang, B Ye, T Lan, L-P Bai, Z-C Cai\* and Z-H Jiang\*. **A novel feature fusion framework for industrial automation single-multiple object detection.** *IEEE Trans Ind Inform*. 2024;20(5):7686-7697.

88. Y-Y Yong, L Yan, B-D Wang, D-S Fan, M-S Guo, L Yu, J-M Wu, D-L Qin, [B-Y-K Law](#), [V-K-W Wong](#), C-L Yu\*, X-G Zhou\* and A-G Wu\*. **Penthorum chinense Pursh inhibits ferroptosis in cellular and Caenorhabditis elegans models of Alzheimer's disease.** *Phytomedicine*. 2024;127:155463.
89. [L-G Zheng](#), J-T Shen, R-Y Chen, Y-C Hu, W Zhao, E-L-H Leung\* and L Dai\*. **Genome engineering of the human gut microbiome.** *J Genet Genomics*. 2024;51(5):479-491.
90. W-J Yin, G Chen, Y-T Li, R-D Li, Z-Y Jia, C-F Zhong, S Wang, X-M Mao, Z-D Cai, J-H Deng, [W-D Zhong\\*](#), B Pan\* and J-M Lu\*. **Identification of a 9-gene signature to enhance biochemical recurrence prediction in primary prostate cancer: A benchmarking study using ten machine learning methods and twelve patient cohorts.** *Cancer Lett*. 2024;588:216739.
91. Q-Q Lv, J Zhang, [J-H Cai](#), L-X Chen, J-J Liang, T-W Zhang, J-H Lin, R-Y Chen, Z-L Zhang, P-T Guo, Y Hong, L-X Pan and H Ji\*. **Design, synthesis and mechanism study of coumarin-sulfonamide derivatives as carbonic anhydrase IX inhibitors with anticancer activity.** *Chem Biol Interact*. 2024;393:110947.
92. W Fan, S-J Dang, X-Q Tan, J-H Liu, Y-K Yang\* and [F-F Xiang\\*](#). **Computational evaluation of wire position using separate vertical wire technique and candy box technique for the fixation of inferior pole patellar fractures: A finite element analysis.** *Front Bioeng Biotechnol*. 2024;12:1353901.
93. [Q Gao](#), [H Wu](#), [M Chen](#), X-D Gu\*, [Q-B Wu\\*](#), [T Xie\\*](#) and [X-B Sui\\*](#). **Active metabolites combination therapies: Towards the next paradigm for more efficient and more scientific Chinese medicine.** *Front Pharmacol*. 2024;15:1392196.
94. S Chen, Z-R Hu, J-B Tang, H-P Zhu, Y-H Zheng, J-D Xiao, [Y-H Xu](#), Y Wang, Y Luo, X-Y Mo, Y-L Wu, J-W Guo\*, Y-L Zhang\* and H-H Luo\*. **High temperature and humidity in the environment disrupt bile acid metabolism, the gut microbiome, and GLP-1 secretion in mice.** *Commun Biol*. 2024;7(1):465.
95. [L Yang](#), C-T Zi, Y-L Li, J Huang, Z-J Gu, [C-Y Wang](#), J-M Hu\*, [Z-H Jiang\\*](#) and [W Zhang\\*](#). **An in-depth investigation of molecular interaction in zeaxanthin/corn silk glycan complexes and its positive role in hypoglycemic activity.** *Food Chem*. 2024;438:137986.
96. [Z-R Lin](#), [M-Y Bao](#), [H-M Xiong](#), [D Cao](#), [L-P Bai](#), [W Zhang](#), C-Y Chen, [Z-H Jiang\\*](#) and [G-Y Zhu\\*](#). **Boswellianols A–I, structurally diverse Diterpenoids from the Oleo-Gum resin of *Boswellia carterii* and their TGF- $\beta$  inhibition activity.** *Plants*. 2024;13(8):1074.
97. J-Q Zhou, W-Y Xia, J-J Chen, K-J Han, Y-X Jiang, A-Y Zhang, D-C Zhou, D-Y Liu, J-F Lin, Y Cai, G-H Chen, L-Q Zhang, A-M Xu, [Y-H Xu](#), [R-H Han\\*](#) and Z-Y Xia\*. **Propofol and salvianolic acid A synergistically attenuated cardiac ischemia-reperfusion injury in diabetic mice via modulating the CD36/AMPK pathway.** *Burns Trauma*. 2024;12:tkad055.
98. [T Wang](#), W-T Wang, X Jiang, J-X Mao, [L-L Zhuo\\*](#), M-Z Liu\*, [X-Z Fu\\*](#) and [X-J Yao\\*](#). **ML-NPI: Predicting interactions between noncoding RNA and protein based on meta-learning in a large-scale dynamic graph.** *J Chem Inf Model*. 2024;64(7):2912-2920.
99. H-W Song, [J-L Ren](#), L Yang, H Sun\*, G-L Yan, Y Han and [X-J Wang\\*](#). **Elucidation for the pharmacological effects and mechanism of Shen Bai formula in treating myocardial injury based on energy metabolism and serum metabolomic approaches.** *J Ethnopharmacol*. 2024;323:117670.
100. [F-R Huang](#), B Lyu, F-C Xie, F Li, Y-F Xing, Z-Y Han, J-P Lai, J-M Ma, Y-Q Zou, H Zeng, Z Xu, P Gao, Y-L Luo, L Bolund, [G-D Tong\\*](#) and F-P Xu\*. **From gut to liver: Unveiling the differences of intestinal microbiota in NAFL and NASH patients.** *Front Microbiol*. 2024;15:1366744.
101. [Z-Y Guo](#), T-J Long, J-P Yao, Y-M Li, L Xiao\* and [M Chen\\*](#). **Potential antidepressant effects of Traditional Chinese botanical drug formula Chaihu-Shugan-San and its active ingredients.** *Front Pharmacol*. 2024;15:1337876.
102. X-X Chen, X-D Huang, Q-H Ma, P Kuzmic, B Zhou, S Zhang, J-Z Chen, J-X Xu, B Liu, H-M Jiang, W-J Zhang, C-G Yang, S-G Wu, J-Z Huang, H-J Li, C-F Long, X Zhao, H-R Xu, Y-N Sheng, Y-T Guo, C-Y Niu, L Xue, Y Xu, J-S Liu, T-Y Zhang, J Spencer, Z-Z Zhu, W-B Deng, X-W Chen, S-H Chen\*, [N-S Zhong\\*](#), [X-L Xiong\\*](#) and [Z-F Yang\\*](#). **Preclinical evaluation of the SARS-CoV-2 M<sup>pro</sup> inhibitor RAY1216 shows improved pharmacokinetics compared with nirmatrelvir.** *Nat Microbiol*. 2024;9(4):1075-1088.

103. H Tian, Y-F Li, G-L Jiao, W-Y Sun\* and R-R He\*. **Unveiling the antioxidant superiority of  $\alpha$ -tocopherol: Implications for vitamin E nomenclature and classification.** *Free Radic Biol Med.* 2024;216:46-49.
104. C-C Lu, C Huang, S-H Qu, H-Y Lin, H-J Zhong\* and C-M Chong\*. **Oxyimperatorin attenuates LPS-induced microglial activation in vitro and in vivo via suppressing NF- $\kappa$ B p65 signaling.** *Biomed Pharmacother.* 2024;173:116379.
105. T Wijesekara, R-M Huang, I-N Wong\* and G-J Xu\*. **Insights into immunoregulatory effects of bioactive polysaccharides derived from seaweeds through gut microbiota.** *Food Biosci.* 2024;58:103800.
106. J-Q Chen, W Miao, Y Liu, J Zhou, J Han, L Zhang, X-Q Bian, T Zhong, J-L Wu\* and N Li\*. **Structural characterization, molecular dynamic simulation, and conformational visualization of a water-soluble glucan with high molecular weight from *Gastrodia elata* Blume.** *Int J Biol Macromol.* 2024;263(Part 1):130207.
107. Y-L Shen, W Chen, K-H Lin, H-Y Zhang, X-Y Guo, X-N An, L Yang, N-S Wang\*, Y-H Xu\* and D-K Gui\*. **Notoginsenoside Fc, a novel renoprotective agent, ameliorates glomerular endothelial cells pyroptosis and mitochondrial dysfunction in diabetic nephropathy through regulating HMGCS2 pathway.** *Phytomedicine.* 2024;126:155445.
108. Y-D Liu, Z-Y Sun, R-X Dong, P-Y Liu, X Zhang, Y-R Li, X-S Lai, H-F Cheong, Y-W Wu, Y-L Wang, H Zhou, D-K Gui and Y-H Xu\*. **Rutin ameliorated lipid metabolism dysfunction of diabetic NAFLD via AMPK/SREBP1 pathway.** *Phytomedicine.* 2024;126:155437.
109. S-J Wang, L-N Xuan, X-L Hu, F-H Sun, S-Y Li, X-F Li, H Yang, J-J Guo, X-M Duan, H-S Luo, J-R Xin, J Chen, J-W Hao, S-J Cui, D-P Liu, L Jiao, Y Zhang, Z-M Du\* and L-H Sun\*. **LncRNA CCRR attenuates post-myocardial infarction inflammatory response by inhibiting the TLR signaling pathway.** *Can J Cardiol.* 2024;40(4):710-725.
110. F-D Zhu, B-D Wang, D-L Qin, X-H Su, L Yu, J-M Wu, B-Y-K Law, M-S Guo\*, C-L Yu\* and A-G Wu\*. **Carpesii fructus extract exhibits neuroprotective effects in cellular and *Caenorhabditis elegans* models of Parkinson's disease.** *CNS Neurosci Ther.* 2024;30(4):e14515.
111. C-X Wang, X-L Yin, X-Q Xu, D Wang, L Liu, X-W Zhang, C Yang, X-R Zhang and T Zhang\*. **Metagenomic absolute quantification of antibiotic resistance genes and virulence factor genes-carrying bacterial genomes in anaerobic digesters.** *Water Res.* 2024;253:121258.
112. W-J Qian, X-R Wang, Y Kang, P-C Pan, T-J Hou\* and C-Y Hsieh\*. **A general model for predicting enzyme functions based on enzymatic reactions.** *J Cheminform.* 2024;16(1):38.
113. S Gao, T Wang, Z-F Han, Y Hu, P Zhu, Y-L Xue, C Huang, Y Chen and G-Y Liu\*. **Interpretation of 10 years of Alzheimer's disease genetic findings in the perspective of statistical heterogeneity.** *Brief Bioinform.* 2024;25(3):bbae140.
114. B Li, L Dong, W Meng, S-Y Xiong, G-S Wu, W-Z Ma\* and H-R Luo\*. **Phloretic acid requires the insulin/IGF-1 pathway and autophagy to enhance stress resistance and extend the lifespan of *Caenorhabditis elegans*.** *Front. Pharmacol.* 2024;15:1384227.
115. R-C-L Ng, M Jian, O-K-F Ma, A-W-M Xiang, M Bunting, J-S-C-Kwan, C-W-K Wong, L-W Yick, S-J-K Chung, K-S-L Lam, I-E Alexander, A-M Xu and K-H Chan\*. **Liver-specific adiponectin gene therapy suppresses microglial NLRP3-inflammasome activation for treating Alzheimer's disease.** *J Neuroinflammation.* 2024;21(1):77.
116. H-F Zhao, D-J Jiang, C Shen, J-T Zhang, X-J Zhang, X-R Wang, D Nie, T-J Hou\* and Y Kang\*. **Comprehensive evaluation of 10 docking programs on a diverse set of protein-cyclic peptide complexes.** *J Chem Inf Model.* 2024;64(6):2112-2124.
117. L-C Kong, Y-Y Li, Z-F Deng, X-Y Chen, Y Xia, B Shen, R-D Ning\*, L-S Zhang\* and Z-S Yin\*. **Tibial cortex transverse transport regulates Orai1/STIM1-mediated NO release and improve the migration and proliferation of vessels via increasing osteopontin expression.** *J Orthop Translat.* 2024;45:107-119.
118. X-M Ma, K Geng, P Wang, Z-Z Jiang, B-Y-K Law\* and Y Xu\*. **MCT4-dependent lactate transport: A novel mechanism for cardiac energy metabolism injury and inflammation in type**



- 2 diabetes mellitus.** *Cardiovasc Diabetol.* 2024;23(1):96.
119. M-M Wang, F-T Yin, L Kong, L Yang, H Sun\*, Y Sun, G-L Yan, Y Han and X-J Wang\*. **Chinmedomics: A potent tool for the evaluation of traditional Chinese medicine efficacy and identification of its active components.** *Chin Med.* 2024;19(1):47.
120. L-N Yu\*, Z-D Xu, G-X Zhu, L-T Zeng, Z-Y Zhang, Y Yu, S-R Wang, X Zhang, N Zhou and L Liang\*. **High-performance photodynamic therapy of tongue squamous cell carcinoma with multifunctional nano-verteporfin.** *Int J Nanomedicine.* 2024;19:2611-2623.
121. S-Y Xiong, G-S Wu, C Li, W-Z Ma\* and H-R Luo\*. **Clinical efficacy of probiotics in the treatment of alcoholic liver disease: A systematic review and meta-analysis.** *Front Cell Infect Microbiol.* 2024;14:1358063.
122. C Sun, K-F Xie, L-J Yang, S-Y Cai, M-J Wang, Y-Z Zhu, B-B Tao\* and Y-C Zhu\*. **HDAC6 enhances Endoglin expression through deacetylation of transcription factor SP1, potentiating BMP9-induced angiogenesis.** *Cells.* 2024;13(6):490.
123. Z-Y Du, G Tu, Y-G Gong, X-Z Fu, Q-B Wu\* and G-K Long\*. **Discovery of novel noncovalent KRAS G12D inhibitors through structure-based virtual screening and molecular dynamics simulations.** *Molecules.* 2024;29(6):1229.
124. K-Y Hu, L Liu, S-T Tang, X Zhang, H-F Chang, W-Y Chen, T-T Fan, L-S Zhang, B Shen\* and Q Zhang\*. **MicroRNA-221-3p inhibits the inflammatory response of keratinocytes by regulating the DYRK1A/STAT3 signaling pathway to promote wound healing in diabetes.** *Commun Biol.* 2024;7(1):300.
125. F-F Xiang, Y-K Xiao, D-G Li, W-Z Ma, Y Chen\* and Y-K Yang\*. **Tension band high-strength suture combined with absorbable cannulated screws for treating transverse patellar fractures: Finite element analysis and clinical study.** *Front Bioeng Biotechnol.* 2024;12:1340482.
126. X Yang, Y-Y Wu, X-Y Chen, J-Y Qiu and C Huang\*. **The transcriptional landscape of immune-response 3'-UTR alternative polyadenylation in melanoma.** *Int J Mol Sci.* 2024;25(5):3041.
127. H Chi, L-Q Su, Y-L Yan, X Gu, K Su, H Li, L-L Yu, J Liu, J Wang\*, Q-B Wu\* and G-H Yang\*. **Illuminating the immunological landscape: Mitochondrial gene defects in pancreatic cancer through a multiomics lens.** *Front Immunol.* 2024;15:1375143.
128. W-T Zhang, H-L Bai, Y-F Wang, X-R Wang, R-Y Jin, H Guo, H-L Lai, Y-P Tang and Y-W Wang\*. **Identification of mIDH1 R132C/S280F inhibitors from natural products by integrated molecular docking, pharmacophore modeling and molecular dynamics simulations.** *Pharmaceuticals.* 2024;17(3):336.
129. J-S Zhang, H-X Cheng, Y-J Zhu, S-S Xie, X-W Shao, C-H Wang, S-J-K Chung, Z-Y Zhang and K Hao\*. **Exposure to airborne PM<sub>2.5</sub> water-soluble inorganic ions induces a wide array of reproductive toxicity.** *Environ Sci Technol.* 2024;58(9):4092-4103.
130. J Wang, W-F Zhang, C Liu, L-Y Wang, J-B Wu, C-G Sun\* and Q-B Wu\*. **Reprogramming of lipid metabolism mediates crosstalk, remodeling, and intervention of microenvironment components in breast cancer.** *Int J Biol Sci.* 2024;20(5):1844-1904.
131. L-L Song, Y-P Tang and B-Y-K Law\*. **Targeting calcium signaling in Alzheimer's disease: Challenges and promising therapeutic avenues.** *Neural Regen Res.* 2024;19(3):501-502.
132. Y-L Zhang, Y Deng, C-X Wang, S-X Li, F-T-K Lau, J-Z Zhou and T Zhang\*. **Effects of operational parameters on bacterial communities in Hong Kong and global wastewater treatment plants.** *mSystems.* 2024;9(3):e0133323.
133. L Huang, X-H Huang, X Yang, J-Q Hu, Y-Z Zhu, P-Y Yan\* and Y Xie\*. **Novel nano-drug delivery system for natural products and their application.** *Pharmacol Res.* 2024;201:107100.
134. G Yan, Q-Y Xiao, J-Y Zhao, H-R Chen, Y Xu, M-H Tan and L-H Peng\*. **Brucea javanica derived exosome-like nanovesicles deliver miRNAs for cancer therapy.** *J Control Release.*

2024;367:425-440.

135. C Gong, J Ma, Y Deng, Q-L Liu, Z-X Zhan, H Gan, X-J Xiang, M Zhang, K-L Cao, T-T Shen, L-L Fang, B Shen\*, S-C Shen\* and S-G Ding\*. **S100A9<sup>-/-</sup> alleviates LPS-induced acute lung injury by regulating M1 macrophage polarization and inhibiting pyroptosis via the TLR4/MyD88/NF  $\kappa$  B signaling axis.** *Biomed Pharmacother.* 2024;172:116233.
136. J-Y Mou, Z-W Ma, M-Y Zhang, Q Yuan, Z-Y Wang, Q-H Liu, F Li, Z Liu\* and L Wang\*. **Structural abnormality of hepatic glycogen in rat liver with diethylnitrosamine-induced carcinogenic injury.** *Int J Biol Macromol.* 2024;260(Part 1):129432.
137. F-L Chen, D-L Liu, W-J Ren, H-M Xiong, L-P Bai, W Zhang, C-T Hon, Z-H Jiang\* and G-Y Zhu\*. **Atrachinenins D-S, novel meroterpenoids with geranyl hydroquinone moiety from *Atractylodes chinensis* by the LC/MS-based molecular decoy and targeted isolation.** *Bioorg Chem.* 2024;144:107111.
138. H-R Li, H Wang, P-P Dong, H-J Li, S-P Wang and J-Y Zhang\*. **Comparative characterization of the metabolites of phloretin and phlorizin in rats using UHPLC-Q-Exactive Orbitrap mass spectrometer.** *Arab J Chem.* 2024;17(3):105597.
139. Y-F Xie, Y-F Li, J-M Zhang, Y Chen, R Ren, L Xiao\* and M Chen\*. **Assessing the causal association between human blood metabolites and the risk of gout.** *Eur J Clin Invest.* 2024;54(3):e14129.
140. X-F Huang, Y Xue, L Yong, T-T Wang, P Luo\* and L-S Qing\*. **Chemical derivatization strategies for enhancing the HPLC analytical performance of natural active triterpenoids.** *J Pharm Anal.* 2024;14(3):295-307.
141. Y-H Chen, J-H Chen, Y-C Shi, X-H Ling, S-M Fang, C-F Zhong, F-P Liu, W-D Zhong, X-C Bi, Z Dong and J-M Lu\*. **Lamin B1: A novel biomarker in adult and pediatric adrenocortical carcinoma.** *Endocr Relat Cancer.* 2024;31(3):e230178.
142. A-Y Xiong, X He\*, S-B Liu, Q Ran, L Zhang, J-Y Wang, M-L Jiang, B Niu, Y Xiong\* and G-P Li\*. **Oxidative stress-mediated activation of FTO exacerbates impairment of the epithelial barrier by up-regulating IKBKB via N6-methyladenosine-dependent mRNA stability in asthmatic mice exposed to PM2.5.** *Ecotoxicol Environ Saf.* 2024;272:116067.
143. Q-H Wang, Y Fang, Y-A Li, H-L Liu, M-N Zhu, X Hu, J-Z Zhou, A-Q Deng, B Shen\* and H-B Chen\*. **Pregnancy-specific Beta-1-Glycoprotein 1 increases HTR-8/SVneo cell migration through the Orail/Akt signaling pathway.** *Biomolecules.* 2024;14(3):293.
144. Z-L Li, J-F Zhao, Y Wu, S-Y Fan, H Yuan, J Xia, L-L Hu, J-Z Yang, J-Z Liu, X-F Wu\*, R Lin\* and L Yang\*. **TRAF2 decrease promotes the TGF- $\beta$ -mTORC1 signal in MAFLD-HCC through enhancing AXIN1-mediated Smad7 degradation.** *FASEB J.* 2024;38(4):e23491.
145. Q-W Ma, R-T Han, Z-J Wu, J-J Zhou, M-T Chen, X-Z Zhang, W-Z Ma and N Feng\*. **Melatonin derivative 6a as a PARP-1 inhibitor for the treatment of Parkinson's disease.** *Front. Pharmacol.* 2024;15:1363212.
146. M-Y Wang, Z-J Wu, J-K Wang, G-Q Weng, Y Kang, P-C Pan, D Li, Y-F Deng, X-J Yao, Z-T Bing, C-Y Hsieh\* and T-J Hou\*. **Genetic algorithm-based receptor ligand: A genetic algorithm-guided generative model to boost the novelty and drug-likeness of molecules in a sampling chemical space.** *J Chem Inf Model.* 2024;64(4):1213-1228.
147. P-Y Liu, K-F Hong, Y-D Liu, Z-Y Sun, T-T Zhao, X-L Li, C-C Lao, S-F Tan, H-Y Zhang, Y-H Zhao, Y Xie and Y-H Xu\*. **Total flavonoids of *Astragalus* protects glomerular filtration barrier in diabetic kidney disease.** *Chin Med.* 2024;19(1):27.
148. L Luo, M-L Jiang, Y Xiong, A-Y Xiong, L Zhang, D-H Wu, Y Liu, Q Ran, J-L Liu, Y Zhang, J-H Li, X He\*, J-Y Wang\* and G-P Li\*. **Fine particulate matter 2.5 induces susceptibility to *Pseudomonas aeruginosa* infection via expansion of PD-L1<sup>high</sup> neutrophils in mice.** *Respir Res.* 2024;25(1):90.
149. Y Chai, J-L Liu, S Zhang, N Li\*, D-Q Xu, W-J Liu, R-J Fu and Y-P Tang\*. **The effective combination therapies with Irinotecan for colorectal cancer.** *Front Pharmacol.* 2024;15:1356708.

150. Y-N Li, P-P Dong, Z-P Shang, L Dai, S-P Wang\* and J-Y Zhang\*. **Unveiling the chemical composition of sulfur-fumigated herbs: A triple synthesis approach using UHPLC-LTQ-Orbitrap MS-A case study on Steroidal Saponins in *Ophiopogonis Radix***. *Molecules*. 2024;29(3):702.
151. R-H Chen, H-H Lo, C-X Yang, B-Y-K Law, X Chen, C-C-I Lam, C Ho, H-L Cheong, Q-Z Li, C-Y Zhong, J-P-L Ng, P-K-F Cheung and V-K-W Wong\*. **Natural small-molecules reverse *Xeroderma Pigmentosum* complementation group C (XPC) deficient-mediated drug-resistance in renal cell carcinoma**. *Phytomedicine*. 2024;124:155310.
152. Z Wang, W-J Lin, M-N Shi, Y Hou, J-C Liu, Z-F Huang, X-N Zhang, Y-C Yang, B-J Liu, Z-Y Yang\* and W-Z Ma\*. **Involucrasin B inhibits the proliferation of Caco-2 cells by regulating the TGFβ/SMAD2-3-4 pathway**. *Molecules*. 2024;29(3):686.
153. J Li, Y-T Sun, G-H Li, C-S Cheng, X-B Sui and Q-B Wu\*. **The extraction, determination, and bioactivity of Curcumenol: A comprehensive review**. *Molecules*. 2024;29(3):656.
154. Y Wang, F Yu, Q-H Liu, C-Y Wang, G-Y Zhu, L-P Bai, S Shi, Y-F Zhao\*, Z-H Jiang\* and W Zhang\*. **A novel and sensitive dual signaling ratiometric electrochemical aptasensor based on nanoporous gold for determination of Ochratoxin A**. *Food Chem*. 2024;432:137192.
155. Z-H Su, J-H Wang, C-X Xiao, W Zhong, J-Y Liu, X-H Liu\* and Y-Z Zhu\*. **Functional role of Ash2l in oxLDL induced endothelial dysfunction and atherosclerosis**. *Cell Mol Life Sci*. 2024;81(1):62.
156. Q-Q Yang, C Chen, D-H Yao, W Liu, B Liu, J Zhou, D-B Pan, C Peng, G Zhan\* and B Han\*. **Catalytic atroposelective synthesis of axially chiral azomethine imines and evaluation of neuroprotective activity**. *Angew Chem Int Edit*. 2024;63(5):e202312663.
157. M Huang, X-H Liao, X-P Wang, Y-W Qian, W-S Zhang, G-K Chen and Q Wu\*. **POZ/BTB and AT hook containing zinc finger 1 (PATZ1) suppresses differentiation and regulates metabolism in human embryonic stem cells**. *Int J Biol Sci*. 2024;20(4):1142-1159.
158. C-Y Yan, Y Ye, H-L Mu, T Wu, W-S Huang, Y-P Wu, W-Y Sun, L Liang, W-J Duan, S-H Ouyang, R-T Huang, R Wang, X-X Sun, H Kurihara, Y-F Li\* and R-R He\*. **Prenatal hormone stress triggers embryonic cardiac hypertrophy outcome by ubiquitin-dependent degradation of mitochondrial mitofusin 2**. *iScience*. 2024;27(1):108690.
159. X-D Yin, C-Y Hsieh\*, X-R Wang, Z-X Wu, Q Ye, H-L Bao, Y-F Deng, H-M Chen, P Luo, H-X Liu, T-J Hou\* and X-J Yao\*. **Enhancing generic reaction yield prediction through reaction condition-based contrastive learning**. *Research*. 2024;7:0292.
160. M-P Zhang, C Liu, Y Li, H-Y Li, W-F Zhang, J-Y Liu, L-Q Wang and C-G Sun\*. **Galectin-9 in cancer therapy: From immune checkpoint ligand to promising therapeutic target**. *Front Cell Dev Biol*. 2024;11:1332205.
161. Y Li, M-L Jiang, Y-G Wei, X He, G-P Li, C-L Lu\* and D Ge\*. **Integrative analyses of pyrimidine salvage pathway-related genes revealing the associations between UPP1 and tumor microenvironment**. *J Inflamm Res*. 2024;17:101-119.
162. Y Sun, D-F Zhu, L Qu, M-P Li, W-X Du, M-M Wang, Y Zhanng, G-F Chen, G-X Rao, X-L Yu, X-N Wu, F Huang\* and X-Y Tong\*. **Inhibitory effects of catalpol on DNCB-induced atopic dermatitis and IgE-mediated mast cells reaction**. *Int Immunopharmacol*. 2024;126:111274.
163. T-Y Wang, L-C Wang, X-J Zhang, C Shen, O-D Zhang, J-K Wang, J-L Wu, R-F Jin, D-H Zhou, S-C Chen, L-W Liu, X-R Wang, C-Y Hsieh, G-Y Chen, P-C Pan\*, Y Kang\* and T-J Hou\*. **Comprehensive assessment of protein loop modeling programs on large-scale datasets: Prediction accuracy and efficiency**. *Brief Bioinform*. 2024;25(1):bbad486.
164. J Chen, C-X Jiang, M Guo, Y Zeng, Z-Z Jiang, D-M Zhang, M-Q Tu, X-Z Tan, P-J Yan, X-M Xu\*, Y Long\* and Y Xu\*. **Effects of SGLT2 inhibitors on cardiac function and health status in chronic heart failure: A systematic review and meta-analysis**. *Cardiovasc Diabetol*. 2024;23(1):2.
165. S He, L-Q Su, H-Y Hu, H-Q Liu, J-W Xiong, X-J Gong, H Chi\*, Q-B Wu\* and G-H Yang\*. **Immunoregulatory functions and therapeutic potential of natural killer cell-derived**

- extracellular vesicles in chronic diseases.** *Front Immunol.* 2024;14:1328094.
166. X-H Zhao, A-Y Wang, L-Z Zhai, J-H Gao, S-Z Lyu, Y-S Jiang, T Zhong, Y Xiao and X Yu\*. **Magnetic solid phase extraction coupled to HPLC-UV for highly sensitive analysis of mono-hydroxy polycyclic aromatic hydrocarbons in urine.** *Anal Chim Acta.* 2024;1285:342020.
167. P-P Dong, H Wang, Y-N Li, J-Y Yu, X Liu, Y-L Wang\*, L Dai\* and S-P Wang\*. **Active peptides from *Eupolyphaga sinensis walker* attenuates experimental hyperlipidemia by regulating the gut microbiota and biomarkers in rats with dyslipidemia.** *Biomed Pharmacother.* 2024;170:116064.
168. L Xu, X-Z Fu, L-L Zhuo, Z-C Zhou, X-F Liao\*, S Tian\*, R-F Kang and Y-F Chen\*. **SGAE-MDA: Exploring the MiRNA-disease associations in herbal medicines based on semi-supervised graph autoencoder.** *Methods.* 2024;221:73-81.
169. K-K Luo, H-Y Zhao, M-X Wang, M-Y Tian, N Si, W Xia, J-F Song, Y-Q Chen, L-N Wang, Y Zhang, X-L Wei, X Li, G-Y Qin, J-Y Yang, H-J Wang\*, B-L Bian\* and Y-Y Zhou\*. **Huanglian Jiedu Wan intervened with "Shi-Re Shanghuo" syndrome through regulating immune balance mediated by biomarker succinate.** *Clin Immunol.* 2024;258:109861.
170. X-Y Chen, M Deng, Z-H Wang and C Huang\*. **MMP<sup>3</sup>C: An in-silico framework to depict cancer metabolic plasticity using gene expression profiles.** *Brief Bioinform.* 2024;25(1):bbad471.
171. H Ma, L-L He\*, Y Yang, T-T Wang, J-Y Li, Z-F Zhang\* and P Luo\*. **Branched fructo-oligosaccharides from *Polygonatum Cyrtoneuma Hua* as crosslinking agents for cellulose: A novel injectable and on-demand dissolution hydrogel for diabetic wound.** *Int J Biol Macromol.* 2024;254(Part 3):128028.
172. P-S Coghi\*, T Fazal, N-S Hosmane and Y-H Zhu\*. **Diagnostic and theranostic technologies used in boron neutron capture therapy - A brief review.** *Inorg Chem Commun.* 2024;159:111698.
173. X-X Li, A-T Liu, C Xie, Y-L Chen, K Zeng, C-M Xie, Z-Z-P Zhang, P Luo and H Huang\*. **The transcription factor GATA6 accelerates vascular smooth muscle cell senescence-related arterial calcification by counteracting the role of anti-aging factor SIRT6 and impeding DNA damage repair.** *Kidney Int.* 2024;105(1):115-131.
174. Q Zhou, P Sun, H-M Xiong, J-L Xie, G-Y Zhu, D-J Tantillo and A-C-C Huang\*. **Insight into neofunctionalization of 2,3-oxidosqualene cyclases in B,C-ring-opened triterpene biosynthesis in quinoa.** *New Phytol.* 2024;241(2):764-778.
175. H-X Duo\*, J-Y Yue, X-D Zhang, S-Q Li, Y-J Yin, L-Y Wang, J-J Li, W-W Rong, A-D Wang, Y-Zhang and Q Zhu\*. **Magnetic solid phase extraction based on metal organic framework for pharmaceutical analysis from food, environmental and biological media.** *Microchem J.* 2024;196:109557.
176. P Hong, M-S Wu, X-C Wei, X-T Xu, P-P Wu, L-S Gan, R-H Wu, J-W Jin, K Zhang, D-L Li, M Chen, W-L Wong, W-F Liu\* and X Zheng\*. **Inhibitory effect of liriopesides B in combination with gemcitabine on human pancreatic cancer cells.** *Bioorg Chem.* 2024;142:106937.
177. M-H Liu, Y Tang, L-Q Qu, L-L Song, H-H Lo, R-L Zhang, X-Y Yun, H-M Wang, J-T-W Chan, J-H Wu, C-R Wang, V-K-W Wong, A-G Wu and B-Y-K Law\*. **Raddeanin A isolated from *Anemone raddeana* Regel improves pathological and cognitive deficits of the mice model of Alzheimer's disease by targeting beta-amyloidosis.** *Phytomedicine.* 2024;122:155121.
178. J-M Huang, F-G Duan, C Xie, J-H Xu, Y-Z Zhang, Y-W Wang, Y-P Tang\* and E-L-H Leung\*. **Microbes mediated immunogenic cell death in cancer immunotherapy.** *Immunol Rev.* 2024;321(1):128-142.
179. X-Y Zhang, Y-T Chen, Y-Y Pan, X-Y Ma, G Hu, S Li, Y Deng, Z Chen, H Chen\*, Y-Q Wu\*, Z-H Jiang\* and Z-Y Li. **Research progress of severe acute respiratory syndrome coronavirus 2 on aerosol collection and detection.** *Chin Chem Lett.* 2024;35(1):108378.
180. X-X Luo, A-J Zhang, Y Li, Z-Y Zhang, F-T Ying, R-Q Lin, Q-X Yang, J Wang\* and G-H Huang\*. **Emergence of artificial intelligence art therapies (AIATs) in mental health care: A systematic review.** *Int J Ment Health Nurs.* In Press.

181. J-H Chen, C-M Wei, Q-Y Lin, Z Wang, F-M Zhang, M-N Shi, W-J Lan, C-G Sun, W-J Lin and W-Z Ma\*. **Notopterygium Incisum extract promotes apoptosis by preventing the degradation of BIM in colorectal cancer.** *Curr Med Sci*. In Press.
182. X-F Yin, T-Y Ye, H-L Chen, J-Y Liu, X-F Mu, H Li, J Wang, Y-J Hu, H-Z Cao\* and W-Q Kang\*. **The microbiome compositional and functional differences between rectal mucosa and feces.** *Microbiol Spectr*. In Press.
183. X-X Xiao, M Zhang, Y-W Qian, X-P Wang and Q Wu\*. **KLF9 regulates osteogenic differentiation of mesenchymal stem cells.** *J Mol Histol*. In Press.
184. D-D Gao\*, G-Q Liu, Y-L Chen, N Ding, J-H Zhong, G-N Liang, W-J Deng, P-L Li, J-R Su, M Wang, J-H Huang\* and M Hu\*. **Cellular mechanism underlying leptin-induced anion secretion of rat epididymal epithelial cells.** *Andrology*. In Press.
185. H-Y Li, H-W Zhao, L-X Chen, Y Yang, S-X Wang, R-Y Gao and X-R Cheng\*. **Spectrum-effect relationship between HPLC fingerprints and antioxidant activity of Qi-Fu-Yin based on multiple statistical correlation analysis.** *Phytochem Anal*. In Press.
186. H Zhang, S-Q Wang, S-C Ma, C-M Zhang, Z-L Wang\* and P-Y Yan\*. **Causal relationship between worry, tension, insomnia, sensitivity to environmental stress and adversity, and erectile dysfunction: A study using Mendelian randomization.** *Andrology*. In Press.
187. Y-K Liang, W-J Yin, Z-D Cai, H-W Luo, Q-W Liu, C-F Zhong, J-H Chen, Z-Y Lin, Y-Q Huang, Z-G Liang, J-H Deng, W-D Zhong, C Cai\* and J-M Lu\*. **N6-methyladenosine modified lncRNAs signature for stratification of biochemical recurrence in prostate cancer.** *Hum Genet*. In Press.
188. X-F Wang, X-H Xiang, J Wei, P-B Zhang, Q Xu, M-H Liu, L-Q Qu, X-X Wang, L Yu, A-G Wu, D-L Qing, J-M Wu, B-Y-K Law\*, C-L Yu\* and Y Tang\*. **Raddeanin A protects the BRB through inhibiting inflammation and apoptosis in the Retina of Alzheimer's disease.** *Neurochem Res*. 2024;49(8):2197-2214.
189. F-Y Xin, X-H Ren, X-Y Lin, W-Z Ma, B Ran, Y-P Teng, P Gao, C-F Wang, L Wu, D-M Cun\* and J-W Zhang\*. **Rapid isolation of extracellular vesicles using covalent organic frameworks combined with microfluidic technique.** *J Pharm Biomed Anal*. 2024;245:116153.
190. X-N Yu, Q-Q Kong, Y Wu, W-L Li, D Rinchen, Z-F Zhang, Q Shen\* and P Luo\*. **Impact of extraction method on the lipids of Himalayan marmot oil with ultrahigh-performance liquid chromatography Q-Exactive Orbitrap mass spectrometry analysis.** *Rapid Commun Mass Spectrom*. 2024;38(14):e9761.
191. R-L Huang, S-L Gong, B-C Xiong, X-F Yang, C-Y Chen, W Song, R-D Wu, L Yang, J Yin\* and M-T Chen\*. **A classic prescription alleviates inflammation in CUMS model mice via modulating MYDGF/MAP4K4/NF- $\kappa$ B signaling pathway, verified through UPLC-HRMS and proteomics analysis.** *Heliyon*. 2024;10(14):e34596.
192. J-W Peng, W-H Guo, P-L Li, L Leng, D-D Gao, Z-D Yu, J-L Huang, J-H Guo, S Wang\*, M Hu\* and J-H Huang\*. **Long-term effects of COVID-19 on endothelial function, arterial stiffness, and blood pressure in college students: A pre-post-controlled study.** *BMC Infect Dis*. 2024;24(1):742.
193. L Fu, C-C Wang, W-Y Tian, Z-Y Liu, M-Y Bao, J-Z Liu, W Zhang, L-P Bai\*, Z-H Jiang\* and G-Y Zhu\*. **NMR-Guided Isolation of Anti-inflammatory Carabranolides from the Fruits of *Carpesium abrotanoides* L.** *J Nat Prod*. 2024;87(7):1789-1797.
194. L Yang, S-H Qin and C-T Zi\*. **Research progress of *Gastrodia elata* Blume polysaccharides: A review of chemical structures and biological activities.** *Front Chem*. 2024;12:1395222.
195. F-F Xiang, Y Zhang, X-Q Tan, J-T Zhang, T-F Li, Y-Z Yan, W-Z Ma\* and Y Chen\*. **Comparison of  $^{68}\text{Ga}$ -FAP-2286 and  $^{18}\text{F}$ -FDG PET/CT in the diagnosis of advanced lung cancer.** *Front Oncol*. 2024;14:1413771.
196. Y-W Ji, Q An, X-Y Wen, Z Xu, Z-Y Xia, Z-Y Xia, Q-Y Hu\* and S-Q Lei\*. **Liver cancer from the perspective of single-cell sequencing: A review combined with bibliometric analysis.** *J Cancer Res Clin Oncol*. 2024;150(6):316.

197. F-F Xiang, Y Zhang, X-Q Tan, J-T Zhang, T-F Li, Y-Z Yan, W-Z Ma\* and Y Chen\*. **A bibliometric analysis based on hotspots and frontier trends of positron emission tomography/computed tomography utility in bone and soft tissue sarcoma.** *Front Oncol.* 2024;14:1344643.
198. H-J Shi and M Chen\*. **The brain-bone axis: Unraveling the complex interplay between the central nervous system and skeletal metabolism.** *Eur J Med Res.* 2024;29(1):317.
199. H-R Wang, K Chen, L Zong, X Zhao, J-X Wang, S-W Fan, B Shen\* and S-X Zheng\*. **MALAT1/miR-7-5p/TCF4 axis regulating menstrual blood mesenchymal stem cells improve thin endometrium fertility by the Wnt signaling pathway.** *Cell Transplant.* 2024;33:9636897241259552.
200. A-J Zhang, X-X Luo, R-Q Lin, C-H He, J Wang\* and G-H Huang\*. **Group arts therapies for patients with schizophrenia: A protocol of systematic review and meta-analysis.** *BMJ Open.* 2024;14(6):e082076.
201. G-Y Zhang, B-J Liu, H-L Pan, H-J Li, Z-F Huang, T Mahmud, W-Z Ma\* and W-J Lan\*. **Four sulfur-containing compounds with effect from marine-derived fungus aspergillus terreus.** *Firoterapia.* 2024;175:105967.
202. L-M Gong, H-X Tang, Y-J Li, R-D Wen, X-Y Liu, Y-W Deng, Q-L Wu, Z-F Zhang, X-D Zhou\* and W Wang\*. **Chemical constituents from the leaves of Fraxinus hubeiensis , an endemic plant from China.** *Biochem Syst Ecol.* 2024;114:104821.
203. D-Y Zhong, Y Shi, W-Z Ma, Y-X Liang, H-J Liu, Y-Y Qin, L Zhang, Q-Y Yang, X-L Huang, Y-J Lu\* and J Shang\*. **Single-cell profiling reveals the metastasis-associated immune signature of hepatocellular carcinoma.** *Immun Inflamm Dis.* 2024;12(5):e1264.
204. Y-F Li, Y-F Xie\*, J Li, Z-C Chang, J-M Zhang, Z-M Zhou, R Ren\* and Y Chen\*. **Diastolic and systolic blood pressure and gout: A mendelian randomization study.** *Front Endocrinol.* 2024;15:1367621.
205. X-X Luo, A-J Zhang, H Li, Y Li, F-T Ying, X-L Wang, Q-X Yang, Z-Y Zhang and G-H Huang\*. **The role of arts therapies in mitigating sleep initiation and maintenance disorders: A systematic review.** *Front Psychiatry.* 2024;15:1386529.
206. G-Q Deng, X-Y Chen, L Shao\*, Q-B Wu\* and S-Z Wang\*. **Glycosylation in autoimmune diseases: A bibliometric and visualization study.** *Heliyon.* 2024;10(9):e30026.
207. Y Hu, Y Wang, W-R Hu, C-R Hu, B Wang, C-L Liu, A-Q Deng, B Shen, K-L Wu\* and Y-H Liu\*. **USP39 promotes the viability and migration of head and neck squamous cell carcinoma cell by regulating STAT1.** *Technol Cancer Res Treat.* 2024;23:15330338241250298.
208. E Gao\*, Y Wang, G-I Fan, G-Q Xu, Z-Y Wu, Z-J Liu, J-C Liu, L-F Mao\*, X-X Hou and S-H Li. **Discovery of gefitinib-1,2,3-triazole derivatives against lung cancer via inducing apoptosis and inhibiting the colony formation.** *Sci Rep.* 2024;14(1):9223.
209. L Luo, J-R Lin, W-Z Ma and J-M Fan \*. **Effectiveness of teriparatide in in improving healing rates and bone-turnover markers of osteoporotic hip fracture: A meta-analysis.** *J Pak Med Assoc.* 2024;74(4):741-751.
210. L Fu, W-Y Tian, M-Y Bao, Z-Y Liu, W-J Ren, J-Z Liu, W Zhang, Z-F Zhang, J Gao, L-P Bai\*, Z-H Jiang\* and G-Y Zhu\*. **Cevanine-type alkaloids from the bulbs of Fritillaria unibracteata var. wabuensis and their antifibrotic activities in vitro.** *Phytochemistry.* 2024;220:114018.
211. L-T Li, J-J Li, X-L Wang, S Lu, J Ji, G Yin, H-C Luo, T Wang, X Zhang and D-S Wang\*. **Convenient determination of serum HER-2 status in breast cancer patients using Raman spectroscopy.** *J Biophotonics.* 2024;17(4):e202300287.
212. C-J Sun, H-Y Zhang, Y Li, Y Yu, J-Y Liu, R-J Liu\* and C-G Sun\*. **Elucidation of clinical implications arising from circadian rhythm and insights into the tumor immune landscape in breast cancer.** *Heliyon.* 2024;10(6):e27356.

213. D Zhu, X He, Y Li, G-P Li\* and M Chen\*. **Immune microenvironment of human papillomavirus-positive head and neck squamous cell carcinoma.** *Sci Prog.* 2024;107(1):368504241237888.
214. D-J Jiang, H-Y Du, H-F Zhao, Y-F Deng, Z-X Wu, J-K Wang, Y-D Zeng, H-T Zhang, X-R Wang, E-C Wang\*, T-J Hou\* and C-Y Hsieh\*. **Assessing the performance of MM/PBSA and MM/GBSA methods.10. prediction reliability of binding affinities and binding poses for RNA-ligand complexes.** *Phys Chem Chem Phys.* 2024;26(13):10323-10335.
215. J Zhou, J-Q Chen, S-L Gong, Y-J Ban, L Zhang, Y Liu, J-L Wu\* and N Li\*. **Isolation, bioactivity, and molecular docking of a rare Gastrodin Isocitrate and diverse Parishin derivatives from Gastrodia elata Blume.** *ACS Omega.* 2024;9(12):14520-14529.
216. J-Y Xu, X-Y Huang, S-Q Gou, H-Y Luo, S-C Zeng, Q-H Zhang, Q-B Wu\*, H Chi\* and G-H Yang\*. **Unraveling the role of the circadian clock genes in cervical squamous cell carcinoma and endocervical adenocarcinoma: A prognostic indicator for prognostic, immunotherapy response, and chemotherapy sensitivity.** *J Cancer.* 2024;15(9):2788-2804.
217. L Zeng, C-M Zhang, M-R Yang, J-F Sun, J-G Lu, H-X Zhang, J-F Qin, W Zhang and Z-H Jiang\*. **Unveiling the diversity and modifications of short peptides in Buthus martensii scorpion venom through Liquid Chromatography-High Resolution Mass Spectrometry.** *Toxins.* 2024;16(3):155.
218. Y Zhang, Y Yang, J-L Ren, G-L Yan, L Yang, X-H Wu, L Kong, H Sun\*, Y Han, X-W Zhang and X-J Wang\*. **Chinmedomics strategy for elucidating the effects and effective constituents of Danggui Buxue decoction in treating blood deficiency syndrome.** *Front Mol Biosci.* 2024;11:1376345.
219. S Hussain\*, H Bokhari, X-X Fan, S-I Malik, S-Ijaz, M-A Shereen and A Fatima. **MicroRNAs modulation in lung cancer: Exploring dual mechanisms and clinical prospects.** *Biocell.* 2024;48(3):403-413.
220. L-J Ruan, B-X Yan, S-S Song, W-Y Qiu, X-H Liu, C-Y Yao, Y-M Zhao, X-N Yang, M-X Song, R-X Liu, B Qin, Y Huang and Z-J Song\*. **Harmonizing international quality standards for Andrographis paniculata: A comparative analysis of content determination methods across pharmacopeias.** *J Pharm Biomed Anal.* 2024;240:115924.
221. D-H Zou, Q-L Zeng, P Liu, Y Wei, R-M Guo\*, Y-Z Zhu\* and R-R He\*. **Association of glutamate receptor gene polymorphisms with attention-deficit hyperactivity disorder susceptibility: A systematic review and meta-analysis.** *Front Genet.* 2024;15:1348387.
222. C-X Jiang, X-M Ma, J Chen, Y Zeng, M Guo, X-Z Tan, Y-P Wang, P Wang, P-J Yan, Y Lei, Y Long, B-Y-K Law\* and Y Xu\*. **Development of serum lactate level-based nomograms for predicting diabetic kidney disease in Type 2 diabetes mellitus patients.** *Diabetes Metab Syndr Obes.* 2024;17:1051-1068.
223. K-F Lyu, J-S Li\*, M Chen\*, W Li, W Zhang, M-C Hu, Y-X Zhang and X Feng. **A bibliometric analysis of autism spectrum disorder signaling pathways research in the past decade.** *Front Psychiatry.* 2024;15:1304916.
224. W Hu, W-Z Ma, B Li, Y Hou and R-Y Dai\*. **Effect, main targets and molecular mechanisms of glycyrrhiza-derived flavonoids on malignant tumor in comprehensive cancer treatment.** *Trop J Pharm Res.* 2024;23(1):223-230.
225. T Zhao, J-H Yi, D Luo, J-J Liu, X-M Fan\*, Q-B Wu\* and W-J Wang\*. **Prognostic factors for invasive mucinous adenocarcinoma of the lung: Systematic review and meta-analysis.** *World J Surg Oncol.* 2024;22(1):41.
226. Y-R Sun, Q-Q Zhao, H Fang, H Sun\*, L Yang, Y Sun, G-L Yan, Y Han and X-J Wang\*. **Evaluation of the key ingredient from the main production areas of Phellodendri Amurensis Cortex using ultra-high-performance liquid chromatography-quadrupole time-of-flight tandem mass spectrometry and ultra-high-performance liquid chromatography coupled to triple-quadrupole mass spectrometry.** *J Sep Sci.* 2024;47(4):e2300836.
227. D-Q Zhang, Q-H Ma, M-C Yang, Y-Y Belyakova, Z-F Yang, P-S Radulov, R-H Chen, L-J Yang, J-Y Wei, Y-T Peng, W-Y Zheng, I-A Yaremenko, A-O Terent'ev\*, P-S Coghi\* and V-K-W

- Wong\*. Peroxide derivatives as SARS-CoV-2 entry inhibitors. *Virus Res.* 2024;340:199295.
228. X-Y Li, Y-T Luo, J-H Wang and Z-M Du\*. Formulation, characterization and in vivo and in vitro evaluation of aloe-emodin-loaded solid dispersions for dissolution enhancement. *J Tradit Chin Med.* 2024;44(1):54-62.
229. M Zhang, L-B Bai, L-F Yau, T-T Tong, W Zhang\* and Z-H Jiang\*. Identification of Cannabidiol metabolites in different mouse organs using Ultra-Performance Liquid Chromatography coupled to a Quadrupole Time-of-Flight mass spectrometer. *Cannabis Cannabinoid Res.* 2024;9(1):386-396.
230. C Zhang, R-H Liu, M-M Chen, Y Xu, X-Q Jin, B Shen\* and J-Y Wang\*. Autophagy inhibitors 3-MA and BAF may attenuate hippocampal neuronal necroptosis after global cerebral ischemia-reperfusion injury in male rats by inhibiting the interaction of the RIP3/AIF/CypA complex. *J Neurosci Res.* 2024;102(2):e25301.
231. Z-Y Guo, Z-Y Ren, J-P Yao, Y-M Li, Z-Y Che, Z-Y Yu, P-G Fang, X Lu\* and M Chen\*. Does acupuncture treatment modulate inflammatory cytokines in rodent models of depression? A systematic review and meta-analysis. *Front Behav Neurosci.* 2024;18:1329638.
232. R-J Zhao, W-Y Zhang and X-X Fan\*. Circular RNAs: Potential biomarkers and therapeutic targets for autoimmune diseases. *Heliyon.* 2024;10(1):e23694.
233. G Luo, L Chen, M-T Chen, L-S Mao, Q-H Zeng, Y Zou, J-Y Xue, P Liu, Q-B Wu\*, S-J Yang\* and M-N Liu\*. Hirudin inhibit the formation of NLRP3 inflammasome in cardiomyocytes via suppressing oxidative stress and activating mitophagy. *Heliyon.* 2024;10(1):e23077.
234. Y-X Jiang, Y Cai, R-H Han, Y-H Xu, Z-Y Xia\* and W-Y Xia\*. Salvanolic acids and its potential for cardio-protection against myocardial ischemic reperfusion injury in diabetes. *Front Endocrinol.* 2024;14:1322474.
235. Z-Y Sun, Y-D Liu, Y-H Zhao and Y-H Xu\*. Animal models of type 2 diabetes complications: A review. *Endocr Res.* 2024;49(1):46-58.
236. H-M Wang, H-J Lai, A-G Wu, Y Tang, L-L Song, H-H Lo, I-N Wong, V-K-W Wong and B-Y-K Law\*. Melanogenic effects of 5-demethylnobiletin on mouse model of chemical-induced vitiligo. *J Funct Food.* 2024;112:105962.
237. S Wang, Y Sun, C-M Zhang, B-H Chen, M Zhong, R-L Du, Y-H Zhou, G-D Tong and L-D Luo\*. Network pharmacology, molecular docking and experimental verification reveal the mechanism of Yiguanjian decoction in treating acute liver failure. *Eur J Integr Med.* 2024;65:102326.
238. X-W Nie, A-A Nasim, X-J Yao and X-X Fan\*. ZYZ384 suppresses the growth of EGFR-mutant non-small cell lung cancer by activating JNK/MAPK signaling pathway. *Chem Biol Drug Des.* 2024;103(1):e14408.
239. T Bi, Y-N Zhou, L-S Mao, P Liang, J-L Liu, L-Y Yang, G-L Ren, M Mazhar, H-P Shen, P Liu, R Spacil, Q Guo, G Luo\*, S-J Yang\* and W Ren\*. Zhilong Huoxue Tongyu capsule alleviates myocardial fibrosis by improving endothelial cell dysfunction. *J Tradit Complement Med.* 2024;14(1):40-54.
240. Y-N Zhou, T Bi, R-Q Wang, P Liang, J-Y Lai, Q Luo, H Wang, H-P Shen, Z-J Liu\*, S-J Yang\* and W Ren\*. Optimization of the procedure for gram scale synthesis of silicon rhodamine and its application in labeling BRD4 kinase inhibitor. *J Anal Test.* In Press.
241. M-J Jia, Y-H Liu, P Wei\* and T Yi\*. From small to large-The application of in situ polymerization within tumor cells. *Aggregate.* In Press.
242. H-W Song, H Sun\*, H Fang, L Yang, Q-Q Zhao, Y Sun, G-L Yan, Y Han and X-J Wang\*. Fingerprint profile analysis of hirudo polypeptide based on UHPLC-MS and its application. *Sep Sci Plus.* 2024;7(7):e202300218.
243. F Yu, Y Wang, C-Y Yu, W Zhang and X-F Bai\*. Sensitive and specific Y-shaped ratio biosensor for detecting serum miR-18a: Potential early scanning tool for non-small cell lung cancer. *J Anal Test.* 2024;8(2):237-244.



244. X-M Yu, Z-M Ren, P-S Coghi\* and J-P-L Ng\*. **Structural modification of Epigallocatechin-3-gallate to (2R,3R)-5,7-dimethoxy-2-(3,4,5-trimethoxyphenyl)chroman-3-yl L-valinate in four steps.** *Molbank*. 2024;2024(2):M1826.
245. Y-Z Guo, M Anyanwu, Y Xiao, Z-M Ren, A Gianoncelli, G Ribaudo\* and P-S Coghi\*. **The (2R,4aS,6aS,12bR,14aS,14bR)-N-(2-(2-(2-(2-Azidoethoxy)ethoxy)ethoxy)ethyl)-10-hydroxy-2,4a,6a,9,12b,14a-hexamethyl-11-oxo-1,2,3,4,4a,5,6,6a,11,12b,13,14,14a,14b-tetradecahydronicene-2-carboxamide.** *Molbank*. 2024;2024(2):M1800.
246. X-Q Zhao, Y Chen\*, Z-X Lin, X-Y Jin, B-L Su, X-T Liu, M Yang, K-Y Chen, M-L Zhu, L Wang and Y-Z Zhu\*. **H<sub>2</sub>S donor S-propargyl-cysteine for skin wound healing improvement via smart transdermal delivery.** *MedComm*. 2024;5(3):e485.
247. X-Y Chen, T-T Wang, Q Shen\*, H Ma, Z-H Li, X-N Yu, X-F Huang, L-S Qing\* and P Luo\*. **Preclinical investigations on anti-fibrotic potential of long-term oral therapy of sodium astragaloside in animal models of cardiac and renal fibrosis.** *ACS Pharmacol Trnasl Sci*. 2024;7(2):421-431.
248. L Ji, Z-Y Jiao, L Zhang, J Shi, Q-Q Wan, C-Z Qian, H Wang, X-Y Cao, B Shen\* and L-J Jiang\*. **Role of increased IGFBP2 in trophoblast cell proliferation and recurrent spontaneous abortion development: A pilot study.** *Physiol Rep*. 2024;12(3):e15939.
249. S-H Qin, Y-L Li, H-Y Shao, Y Yu, Y-N Yang, Y Zeng J Huang, J-M Hu\* and L Yang\*. **Interaction mechanism between luteoloside and corn silk glycans and the synergistic role in hypoglycemic activity.** *Nat Prod Bioprospect*. 2024;14(1):10.
250. T Zhang, X-Z Dong, D-D Wang, C Huang and D-X-H Zhang\*. **RespirAnalyzer: An R package for analyzing data from continuous monitoring of respiratory signals.** *Bioinform Adv*. 2024;4(1):vbae003.
251. W-D Guan, R Qu, L-H Shen, K-L Mai, W-Q Pan, Z-S Lin, L-P Chen, J Dong, J-W Zhang, P Feng, Y-C Weng, M-F Yu, P-K Guan, J-C Zhou, C-M-Z Tu, X Wu, Y Wang, C-G Yang, Y Ling, S Le, Y-Q Zhan, Y-M Li, X-Q Liu, H-Y Zou, Z-Q Huang, H-X Zhou, Q-B Wu, W-J Zhang, J-Y He, T Xu, N-S Zhong\* and Z-F Yang\*. **Baloxavir marboxil use for critical human infection of avian influenza A H5N6 virus.** *Med*. 2024;5(1):32-41.
252. H Zhong, Z-Q Tang, Y-F Li, M Wang, W-Y Sun\* and R-R He\*. **The evolution and significance of medicine and food homology (藥食同源理論的歷史演變與實踐價值).** *Acupunct Herb Med*. 2024;4(1):19-35.
253. S-N Wang, P-L Hu, J-J Fan, J Zou, W-D Hong, X Huang, D-J Pan, H-N Chen, Y-Z Zhu and L Ye\*. **CD80-Fc fusion protein as a potential cancer immunotherapy strategy.** *Antib Ther*. 2024;7(1):28-36.
254. 關文達、郭珀宏、黃漢偉\*、楊子峰\*。粵港澳大灣區融合一體化下中山市就診患者流感疫苗接種現狀及影響因素分析 (Analysis of the current status and influencing factors of influenza vaccinaion among patients in Zhongshan city under the integration of the Guangdong-Hong Kong-Macao greater bay area)。中國預防醫學雜誌。In Press。
255. 武博文、顏培宇、武密山\*。基於網路藥理學與體外實驗探討附子活性成分治療血管痙攣的作用機制 (The mechanism of action of the active components of aconitum carmichaelii **Debx Rhizoma in the treatment of vasospasm based on network pharmacology and in vitro experiments**)。環球中醫藥。2024;17(8):1523-1536。
256. 武博文、顏培宇\*、武密山\*。基於網路藥理學與體外實驗探討杏仁活性成分治療血管痙攣的作用機制 (Mechanism of action of active components of *Prunus armeniaca* L. var. *ansu Maxim. mature seed for vasospasm based on network pharmacology and in vitro experiments*)。中南藥學。2024;22(7):1748-1756。
257. 朱曉娟、邱 杭、劉聖蘭、戴 偉、胡海波\*、黃 浩\*。Chemerin 在多囊卵巢綜合征中的研究進展 (Research progress of chemerin in polycystic ovary syndrome)。生理學報。2024;76(3):429-437。
258. 武博文、顏培宇\*、武密山\*。基於網路藥理學探討麻黃活性成分治療血管痙攣的作用機制 (Mechanism of the active ingredients of *Ephedra sinica* Stapf dried grass stems in the

- treatment of Vasospasm based on network pharmacology)。中國畜牧獸醫。2024;51(6):2680-2696。
259. 李勁創、朱學進、葉劍恒、譚澤恒、蔡尚樺、鄧煜麟、陳 堅、田威城、羅丹驊、鐘惟德\*。基於生物資訊學分析通用轉錄因數 IIIH 對前列腺癌預後的影響 (Bioinformatics-based analysis of the effect of general transcription factor IIIH on prognosis of prostate cancer)。中華醫學雜誌。2024;104(16):1410-1417。
260. 況時祥\*、趙芝蘭、李 豔、趙 瓊、王 強。中西醫結合防治重症肌無力的五個結合點。貴州中醫藥大學學報。2024;46(2):45-48。
261. 張 雷、王俊軼、何 翔、吳 敏、李國平、黃錦偉\*。銅綠假單胞菌對肺血管內皮細胞功能的影響及其機制 (Pseudomonas aeruginosa affects the function of pulmonary vascular endothelial cells)。中國醫學科學院學報。2024;46(1):1-10。
262. 穆春梅、況時祥\*、李 豔、郭 青、趙芝蘭。極晚發性家族性自身免疫性重症肌無力 2 例。醫學理論與實踐。2024;37(4):717-718。
263. 葉永浩、于 希、肖 穎、陳永奇\*。乾粉吸入劑輔料的研究進展 (Research progress of excipients of dry powder inhalation)。海峽藥學。2024;36(2):6-8。
264. 翟潤翔、宋 鵬、任 夏\*、付先軍\*。海洋中藥海螵蛸的古今應用研究 (Research on the ancient and modern application of marine traditional Chinese medicine endoconcha sepiac)。中國海洋藥物。2024;43(1):60-73。
265. 彭曉娟、付先軍\*、渠立群、宋 鵬、李 卉、俞蘭良、白雪松。山東省海馬產業現狀及問題建議 (Current situation and suggestion of Haima (Hippocampus) industry in Shandong province)。山東中醫藥大學學報。2024;48(1):1-9。