

## Published papers (2021)

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. Q Liu, Y-W Wang, E-L-H Leung and X-J Yao\*. **In silico study of intrinsic dynamics of full-length apo-ACE2 and RBD-ACE2 complex.** *Comput Struct Biotechnol J.* 2021;19: 5455-5465.
2. J-T Han, Y-C Zhu, D-B Pan, H-X Xue, S Wang, Y-L Peng, H-X Liu\*, Y-X He\* and X-J Yao\*. **Discovery of pentapeptide-inhibitor hits targeting FKBP51 by combining computational modeling and X-ray crystallography.** *Comput Struct Biotechnol J.* 2021;19:4079-4091.
3. X-L An, Q-F Bai, Z-T Bing, H-X Liu\* and X-J Yao\*. **Insights into the molecular mechanism of positive cooperativity between partial agonist MK-8666 and full allosteric agonist AP8 of hGPR40 by Gaussian accelerated molecular dynamics (GaMD) simulations.** *Comput Struct Biotechnol J.* 2021;19:3978-3989.
4. H-X Zhu, W-H Du, M-H Song, Q Liu, A Herrmann and Q Huang\*. **Spontaneous binding of potential COVID-19 drugs (Camostat and Nafamostat) to human serine protease TMPRSS2.** *Comput Struct Biotechnol J.* 2021;19:467-476.
5. Q-Q Cheng, Y-Ouyang, Z-Y Tang, C-C Lao, Y-Y Zhang, C-S Cheng and H Zhou\*. **Review on the development and applications of medicinal plant genomes.** *Front Plant Sci.* 2021;12:791219.
6. A-J Xie, C-T Mai, Y-Z Zhu, X-C Liu\* and Y Xie\*. **Bile acids as regulatory molecules and potential targets in metabolic diseases.** *Life Sci.* 2021;287:120152.
7. X Wang, J-H Ni, Y You, G-Z Feng, S-L Zhang, W-L Bao, H Hou, H-D Li, L-X Liu, M-Y Zheng, Y-R Wang, H Zhou\*, W-X Shen\* and X-Y Shen\*. **SNX10-mediated LPS sensing causes intestinal barrier dysfunction via a caspase-5-dependent signaling cascade.** *EMBO J.* 2021;40(24):e108080.
8. W-W Hu, J Zhang, M-F Wang, W Chen, L Chai, E-L-H Leung and Y-J Tang\*. **Clinical features and risk factors analysis for hemorrhage in adults on ECMO.** *Front Med.* 2021;8:731106.
9. J-H Wang, W Zhong, H-B Su, J Xu, D Yang, X-H Liu\* and Y-Z Zhu\*. **Histone methyltransferase Dot1L contributes to RIPK1 kinase-dependent apoptosis in cerebral ischemia/reperfusion.** *J Am Heart Assoc.* 2021;10(23):e022791.
10. R-F Li, Y-L Hou, J-C Huang, W-Q Huang, Q-H Ma, Y-X Shi, C-F Li, J Zhao, Z-H Jia, H-M Jiang, K Zheng, S-X Huang, J Dai, X-B Li, X-T Hou, L Wang, N-S Zhong and Z-F Yang\*. **Corrigendum to: Lianhuaqingwen exerts anti-viral and anti-inflammatory activity against novel coronavirus (SARS-CoV-2) [Pharmacol. Res. 156 (2020) 104761].** *Pharmacol Res.* 2021;174:105907.
11. M-Z Wang, Y Xu, J-F Xie, Z-H Jiang and L-H Peng\*. **Ginsenoside as a new stabilizer enhances the transfection efficiency and biocompatibility of cationic liposome.** *Biomater Sci.* 2021;9(24):8373-8385.
12. B Tomlinson, E Chow, P Chan\* and C-W-K Lam\*. **An evaluation of the pharmacokinetics of inclisiran in the treatment of atherosclerotic cardiovascular disease.** *Expert Opin Drug Metab Toxicol.* 2021;17(12):1353-1361.
13. L-P Wang, Q Luo, S-J Zeng, Y-M Lou, X-Y Li, M Hu, L-L Lu\* and Z-Q Liu\*. **Disordered farnesoid X receptor signaling is associated with liver carcinogenesis in Abcb11-deficient mice.** *J Pathol.* 2021;255(4):412-424.
14. X-Q Huang, L-Z Chen, Y-J Lin, K-I Tou, H-H Cai, H Jin, W-S Lin, J-L Zhang, J-Y Cai\*, H-B Zhou\* and P Jiang\*. **Tumor targeting and penetrating biomimetic mesoporous polydopamine**

- nanoparticles facilitate photothermal killing and autophagy blocking for synergistic tumor ablation. *Acta Biomater.* 2021;136:456-472.
15. L Yi, J-Y Ke, J-Y Liu, H-L Lai, Y-J Lv, C Peng, Y-K Zhi, Q Du, L Liu, P-X Wang, H Zhou\* and Y Dong\*. **Sinomenine increases adenosine A<sub>2A</sub> receptor and inhibits NF- $\kappa$ B to inhibit arthritis in adjuvant-induced-arthritis rats and fibroblast-like synoviocytes through  $\alpha$ 7nAChR.** *J Leukoc Biol.* 2021;110(6):1113-1120.
  16. Y Lin, R Huang, X-X Sun, X Yu, Y Xiao, L Wang, W-Z Hu and T Zhong\*. **The p-Anisaldehyde/beta-cyclodextrin inclusion complexes as fumigation agent for control of postharvest decay and quality of strawberry.** *Food Control.* 2021;130:108346.
  17. Y Yu, Z Wang, Q-Y Yang, Q Ding, R Wang, Z-Y Li, Y-D Fang, J-Y Liao, W Qi, K-Y Chen, M Li and Y-Z Zhu\*. **A novel dendritic mesoporous silica based sustained hydrogen sulfide donor for the alleviation of adjuvant-induced inflammation in rats.** *Drug Deliv.* 2021;28(1):1031-1042.
  18. T Lei, Z-H Yang, X Xia, Y-X Chen, X-T Yang, R Xie, F Tong, X-L Wang and H-L Gao\*. **A nanocleaner specifically penetrates the blood-brain barrier at lesions to clean toxic proteins and regulate inflammation in Alzheimer's disease.** *Acta Pharm Sin B.* 2021;11(12):4032-4044.
  19. T-P Yin, J-G Lu, Q-H Liu, G-Y Zhu, W Zhang\* and Z-H Jiang\*. **Validated quantitative <sup>1</sup>H NMR method for simultaneous quantification of indole alkaloids in Uncaria rhynchophylla.** *ACS Omega.* 2021;6(47):31810-31817.
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  21. Y-W Wang, Y-F Guo, S-J Qiang, R-Y Jin, Z-Li, Y-P Tang, E-L-H Leung, H Guo\* and X-J Yao\*. **3D-QSAR, molecular docking, and MD simulations of Anthraquinone derivatives as PGAM1 inhibitors.** *Front Pharmacol.* 2021;12:764351.
  22. Y Yu, Y-M Pan, Z-Y Fan, S-L Xu, Z-Y Gao, Z-J Ren, J Yu, W Li, F-T Liu, J-T Gu, Y Yuan\* and Z-M Du\*. **LuHui derivative, A novel compound that inhibits the fat mass and obesity-associated (FTO), alleviates the inflammatory response and injury in hyperlipidemia-induced cardiomyopathy.** *Front Cell Dev Biol.* 2021;9:731365.
  23. Q-L Zeng, D-H Zou, Q-D Zeng, X-M Chen\*, Y Wei\* and R-M Guo\*. **Association between insulin-like growth factor-1 rs35767 polymorphism and type 2 diabetes mellitus susceptibility: A meta-analysis.** *Front Genet.* 2021;12:774489.
  24. C Xiao, N-H-L Leung, Y-T Cheng, H Lei, S-M Ling, X Lin, R Tao, X-Z Huang, W-D Guan, Z-F Yang, B-J Cowling, M Zanin and S-S Wong\*. **Seroprevalence of antibodies to SARS-CoV-2 in Guangdong province, China between March to June 2020.** *Pathogens.* 2021;10(11):1505.
  25. P-P Hou\*, X-N Du\* and H-L An\*. **Ion channels: Therapeutic targets for neurological disease.** *Front Mol Neurosci.* 2021;14:797327.
  26. M-K Tiwari, P-S Coghi, P Agrawal, D-K Yadav, L-J Yang, C-L Qiu, D Sahal\*, V-K-W Wong\* and S Chaudhary\*. **Novel halogenated arylvinyl-1,2,4 trioxanes as potent antiplasmodial as well as anticancer agents: Synthesis, bioevaluation, structure-activity relationship and in-silico studies.** *Eur J Med Chem.* 2021;224:113685.
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  28. Q-L Du, W-B Huang, J Zhao, J Zeng, W-J Zhang, X-D Huang, R-F Chen, H-M Jiang, Y-Q Xie, Y-T Wang, N-S Zhong, X-H Wang\* and Z-F Yang\*. **Lianhuaqingwen capsule inhibits influenza-induced bacterial adhesion to respiratory epithelial cells through down-regulation of cell adhesion molecules.** *J Ethnopharmacol.* 2021;280:114128.
  29. C-R Wang, H-W Chen, Y Li, M-Y Zhou, V-K-W Wong, Z-H Jiang\* and W Zhang\*. **Network pharmacology exploration reveals anti-Apoptosis as a common therapeutic mechanism for non-alcoholic fatty liver disease treated with blueberry leaf polyphenols.** *Nutrients.* 2021;13(11):4060.

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34. T-P Yin, H-X Zhang, W Zhang\* and Z-H Jiang\*. **Chemistry and biological activities of Hetisine -type diterpenoid alkaloids.** *RSC Adv.* 2021;11(57):36023-36033.
35. B-R Feng, X-Y Zhao, W Zhao, H-W Jiang, Z-J Ren, Y-F Chen, Y Yuan and Z-M Du\*. **Ethyl 2-Succinate-Anthraquinone attenuates inflammatory response and oxidative stress via regulating NLRP3 signaling pathway.** *Front Pharmacol.* 2021;12:719822.
36. B Tomlinson\*, N-G Patil, M Fok and C-W-K Lam\*. Managing dyslipidemia in patients with type 2 diabetes [Special Issue]. *Expert Opin Pharmacother.* 2021;22(16 SI):2221-2234.
37. W-J Wu, J-H Wang, C-X Xiao, Z-H Su, H-B Su, W Zhong, J-C Mao, X-H Liu\* and Y-Z Zhu\*. **SMYD2-mediated TRAF2 methylation promotes the NF- $\kappa$ B signaling pathways in inflammatory diseases.** *Clin Transl Med.* 2021;11(11):e591.
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