

## Jiang Zhi Hong



Position: Chair Professor  
Vice President, Macau University of Science and Technology  
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**Professor Jiang** obtained the Bachelor and Master degrees from China Pharmaceutical University in 1987 and 1990, respectively. He earned his PhD degree from Nagasaki University, Japan in 1998. After postdoctoral training in Department of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, USA from 1999-2001, he joined School of Chinese Medicine, Hong Kong Baptist University in 2001 as an assistant professor, and was promoted to be an associate professor in 2005 and full professor in 2008. He was Associate Director of Teaching Division and Director of Master Program of Pharmaceutical Sciences in Chinese Medicine. In July 2011, he became the Dean of the Macau Institute of Pharmaceutical and Health Applications, and Deputy Director of State Key Laboratory for Quality Research in Chinese Medicines (Macau University of Science and Technology). In March 2016, he was appointed as the Vice President of Macau University of Science and Technology. Since March 2022, he has also served as the Director of the State Key Laboratory of Quality Research on Chinese Medicine (MUST). Professor Jiang is an internationally-renowned scientist in natural products chemistry. His research areas include natural medicinal chemistry, metabolomics, Chinese medicine

quality standards, and bio-organic chemistry. In order to advance the modernization of Chinese medicine, Professor Jiang has been dedicated to using modern spectroscopic and chromatographic, chemical biology, and metabolomic research techniques to elucidate the active components and mechanisms of action of Chinese medicine, achieving remarkable results. To date, Professor Jiang has published over 330 SCI papers in international academic journals such as *Nucleic Acids Research*, *Nature Communications*, *JACS*, *Analytical Chemistry*, *Organic Letters*, and *Molecular Therapy-Nucleic Acids*, with more than 13,000 citations and an H-index of 67 (Google Scholar, 2024).

Prof. Jiang was awarded as the Young Distinguished Scholars by National Natural Science Foundation of China (Overseas) in 2007, and was appointed as Chair Professor of the Changjiang Scholars Programme by the Ministry of Education of China in 2014. In 2022, Prof. Jiang was elected as a member of Chinese Pharmacopoeia Commission. His research grants were financially supported by the Macau Science and Technology Development Fund (FDCT), Hong Kong Research Grants Council, Department of Health of HKSAR, National Natural Science Foundation of China and National Institutes of Health (NIH) of U.S.A. In addition, Prof. Jiang also serves in multiple social service positions, including Vice President of National Technical Committee of Standardization of Traditional Chinese Medicine, President of the Cross-Strait Scientific Collaboration Center for Chinese Medicine, Vice President of the Macao Science and Technology Council, Committee Member of Science and Technology Committee and Economic Committee of Macao SAR Government, and Vice Chairman of Macao Higher Education Development Promotion Association.

### ***Teaching and Research Areas***

Teaching subjects: Advanced Natural Products Chemistry, Prospect and Progress in Chinese Medicine Research

Research Areas: Natural Products Chemistry, Metabolomics, Bioorganic Chemistry, Chemical Analysis of Chinese Herbs

### ***Academic Qualifications***

1998.3                      Ph.D, Nagasaki University, Japan

1990.7 M. Sc., China Pharmaceutical University, Nanjing, China  
1987.7 B. Sc., China Pharmaceutical University, Nanjing, China

### **Teaching Experience**

2015.9 - Present Chair Professor, Macau University of Science and Technology  
2011.7- 2015.8 Professor, Macau University of Science and Technology  
2008.9 - 2011.6 Professor, School of Chinese Medicine, Hong Kong Baptist University  
2005.7 - 2008.8 Associate Professor, School of Chinese Medicine, Hong Kong Baptist University  
2001.10 - 2005.6 Assistant Professor, School of Chinese Medicine, Hong Kong Baptist University  
1999.11 - 2001.9 (Sabbatical leave) Postdoctoral Research Fellow, Department of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, U.S.A  
1996.10 - 2001.9 Research Assistant Professor, School of Pharmaceutical Sciences, Nagasaki University, Japan  
1990.7 - 1994.3 Research Associate, Lecturer, China Pharmaceutical University, Nanjing, China

### **Papers published in the past five years (2020~2024)**

1. Yanqi Wu, Yuhong Guan, Peilin Huang, Hui Chen, Liping Bai, **Zhihong Jiang\***. "Preparation of norovirus GII loop mediated isothermal amplification freeze-drying microsphere reagents and its application in an on-site integrated rapid detection platform." *Chinese Chemical Letters* 35.9 (2024): 109308.
2. Lu Fu, Can-Can Wang, Wenyue Tian, Zhiyan Liu, Meng-Yu Bao, Jiazheng Liu, Wei Zhang, Li-Ping Bai\*, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "NMR-Guided Isolation of Anti-inflammatory Carabranolides from the Fruits of *Carpesium abrotanoides* L." *Journal of Natural Products* 87.7 (2024): 1786-1797.
3. Jiazheng Liu, Ting Xu, Jianjun Ding, Haoyue Wen, Jieru Meng, Qing Liu, Xiaomei Liu, Wei Zhang, Guo-Yuan Zhu, **Zhi-Hong Jiang\***, Jin Gao\*, Li-Ping Bai\*. "Discovery of anti-melanogenic components in persimmon (*Diospyros kaki*) leaf using LC-MS/MS-MN,

- AlphaFold2-enabled virtual screening and biological validation." *Food Chemistry* (2024): 139814.
4. Liu Yang, Chengting Zi, Yanlang Li, Jia Huang, Zhijia Gu, Caiyun Wang, Jiang-Miao Hu\*, **Zhihong Jiang\***, Wei Zhang\*. "An in-depth investigation of molecular interaction in zeaxanthin/corn silk glycan complexes and its positive role in hypoglycemic activity." *Food Chemistry* 438 (2024): 137986.
  5. Zhi-Rong Lin, Meng-Yu Bao, Hao-Ming Xiong, Dai Cao, Li-Ping Bai, Wei Zhang, Cheng-Yu Chen, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "Boswellianols A–I, Structurally Diverse Diterpenoids from the Oleo-Gum Resin of *Boswellia carterii* and Their TGF- $\beta$  Inhibition Activity." *Plants* 13.8 (2024): 1074.
  6. Lu Fu, Wenyue Tian, Meng-Yu Bao, Zhiyan Liu, Wen-Jing Ren, Jiazheng Liu, Wei Zhang, Zhifeng Zhang, Jin Gao, Li-Ping Bai\*, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "Cevanine-type alkaloids from the bulbs of *Fritillaria unibracteata* var. *wabuensis* and their antifibrotic activities in vitro." *Phytochemistry* 220 (2024): 114018.
  7. Ling Zeng, Cangman Zhang, Mingrong Yang, Jianfeng Sun, Jingguang Lu, Huixia Zhang, Jianfeng Qin, Wei Zhang, **Zhihong Jiang\***. "Unveiling the Diversity and Modifications of Short Peptides in *Buthus martensii* Scorpion Venom through Liquid Chromatography-High Resolution Mass Spectrometry." *Toxins* 16.3 (2024): 155.
  8. Fei-Long Chen, Dong-Li Liu, Wen-Jing Ren, Hao-Ming Xiong, Li-Ping Bai, Wei Zhang, Chitin Hon, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "Atrachinenins D–S, novel meroterpenoids with geranyl hydroquinone moiety from *Atractylodes chinensis* by the LC/MS-based molecular decoy and targeted isolation." *Bioorganic Chemistry* 144 (2024): 107111.
  9. Peilun Lyu, Jiazheng Liu, Yuhan Zhang, Ben Ye, Ting Lan, Li-Ping Bai, Zhanchuan Cai\*, **Zhi-Hong Jiang\***. "A Novel Feature Fusion Framework for Industrial Automation Single-Multiple Object Detection." *IEEE Transactions on Industrial Informatics* 20.5 (2024): 7686-7697.
  10. Min Zhang, Long-Bo Bai, Lee-Fong Yau, Tian-Tian Tong, Wei Zhang\*, **Zhi-Hong Jiang\***. "Identification of Cannabidivarin Metabolites in Different Mouse Organs Using Ultra-Performance Liquid Chromatography Coupled to a Quadrupole Time-of-Flight Mass Spectrometer." *Cannabis and Cannabinoid Research* 9.1 (2024): 386-396.
  11. Yue Wang, Fei Yu, Qinghua Liu, Caiyun Wang, Guoyuan Zhu, Liping Bai, Shuai Shi, Yunfeng Zhao\*, **Zhihong Jiang\***, Wei Zhang\*. "A novel and sensitive dual signaling ratiometric electrochemical aptasensor based on nanoporous gold for determination

of Ochratoxin A." *Food Chemistry* 432 (2024): 137192.

12. Xinyu Zhang, Yuting Chen, Yueying Pan, Xinye Ma, Gui Hu, Song Li, Yan Deng, Zhu Chen, Hui Chen\*, Yanqi Wu\*, **Zhihong Jiang\***, Zhiyang Li. "Research progress of severe acute respiratory syndrome coronavirus 2 on aerosol collection and detection." *Chinese Chemical Letters* 35.1 (2024): 108378.
13. Da Zhang, Lee-Fong Yau, Long-Bo Bai, Tian-Tian Tong, Kai-Yue Cao, Tong-Meng Yan, Ling Zeng, **Zhi-Hong Jiang\***. "Hydroxyapatite-based nano-drug delivery system for nicotinamide mononucleotide (NMN): significantly enhancing NMN bioavailability and replenishing in vivo nicotinamide adenine dinucleotide (NAD+) levels." *Journal of Pharmacy and Pharmacology* 75.12 (2023): 1569-1580.
14. Mingyue Zhou, Ziwei Yang, Tianpeng Yin, Yunfeng Zhao, Cai-yun Wang, Guo-yuan Zhu, Li-ping Bai, **Zhi-hong Jiang\***, Wei Zhang\*. "Functionalized Fe-Doped Carbon Dots Exhibiting Dual Glutathione Consumption to Amplify Ferroptosis for Enhanced Cancer Therapy." *ACS Applied Materials & Interfaces* 15.46 (2023): 53228-53241.
15. Qian-Bao Liu, Jiazheng Liu, Jing-Guang Lu, Ming-Rong Yang, Wei Zhang, Wen-Jia Li, Zheng-Ming Qian, **Zhi-Hong Jiang\***, Li-Ping Bai\*. "Quantitative <sup>1</sup>H NMR with global spectral deconvolution approach for quality assessment of natural and cultured *Cordyceps sinensis*." *Journal of Pharmaceutical and Biomedical Analysis* (2023): 115603.
16. Yingwei Wang, Mingrong Yang, Chichou Lao, Hanxuan Wang, **Zhihong Jiang\***. "Oxidative Cross-Coupling of  $\alpha$ -Amino Ketones with Alcohols Enabled by I<sub>2</sub>-Catalyzed C–H Hydroxylation." *The Journal of Organic Chemistry* 88.20 (2023): 14470-14486.
17. Hao-Yuan Lyu, Meng-Yu Bao, Chi-Cheng Io, Hao-Ming Xiong, Fei-Long Chen, Li-Ping Bai, Wei Zhang, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "Sesquiterpenoids from the roots of *Aucklandia costus* and their anti-inflammatory activities." *Fitoterapia* (2023): 105604.
18. Raoqiong Wang, Guoxin Huang, Shuangyang Li, Hanlin Huang, Guoyuan Zhu, Liang Wang, Jinrui Yang, Sijin Yang\*, **Zhihong Jiang\***, Wei Zhang\*. "Blueberry extract for the treatment of ischaemic stroke through regulating the gut microbiota and kynurenine metabolism." *Phytotherapy Research* 38 (2023): 4792–4814..
19. Hui-Xia Zhang, Dian Yu, Jian-Feng Sun, Ling Zeng, Cai-Yun Wang, Li-Ping Bai, Guo-Yuan Zhu, **Zhi-Hong Jiang\***, Wei Zhang\*. "An integrated approach to evaluate acetamidrid-induced oxidative damage to tRNA in human cells based on oxidized nucleotide and tRNA profiling." *Environment International* (2023): 108038.

20. Hao-Ming Xiong, Hui-Ying Li, Zhi-Rong Lin, Xiao-Mei Liu, Li-Ping Bai, Wei Zhang, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "Chemical Constituents from the Fruits of *Amomum kravanh* and Their Role in Activating Alcohol Dehydrogenase." *Molecules* 28.12 (2023): 4878.
21. Fei Ren, Kai-Yue Cao, Rui-Ze Gong, Meng-Lan Yu, Peng Tao, Yi Xiao, **Zhi-Hong Jiang\***. "The role of post-transcriptional modification on a new tRNA<sup>Ala</sup> (GAU) identified from *Ganoderma lucidum* in its fragments' cytotoxicity on cancer cells." *International Journal of Biological Macromolecules* 229 (2023): 885-895.
22. Hui-Xia Zhang, Jian-Feng Qin, Jian-Feng Sun, Yu Pan, Tong-Meng Yan, Cai-Yun Wang, Li-Ping Bai, Guo-Yuan Zhu, **Zhi-Hong Jiang\***, Wei Zhang\*. "Selective Chemical Labeling Strategy for Oligonucleotides Determination: A First Application to Full-Range Profiling of Transfer RNA Modifications." *Analytical Chemistry* 95.2 (2023): 686-694.
23. Jie-Ru Meng, Jiazheng Liu, Lu Fu, Tong Shu, Lingzhi Yang, Xueji Zhang, **Zhi-Hong Jiang\***, Li-Ping Bai\*. "Anti-entry activity of natural flavonoids against SARS-CoV-2 by targeting spike RBD." *Viruses* 15.1 (2023): 160.
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25. Hui Chen, Xinye Ma, Xinyu Zhang, Gui Hu, Yan Deng, Song Li, Zhu Chen, Nongyue He\*, Yanqi Wu\*, **Zhihong Jiang\***. "Novel aerosol detection platform for SARS-CoV-2: Based on specific magnetic nanoparticles adsorption sampling and digital droplet PCR detection." *Chinese Chemical Letters* 34.1 (2023): 107701.
26. Lee-Fong Yau, Hao Huang, Tian-Tian Tong, Long-Bo Bai, Guo-Yuan Zhu, Yuanyuan Hou, Gang Bai\*, **Zhi-Hong Jiang\***. "Characterization of deglycosylated metabolites of platycosides reveals their biotransformation after oral administration." *Food Chemistry* 393 (2022): 133383.
27. Xu-Jia Wu, Dai Cao, Fei-Long Chen, Rong-Sheng Shen, Jin Gao, Li-Ping Bai, Wei Zhang, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "Chlorfortunones A and B, Two Sesquiterpenoid Dimers, Possessing Dispiro [4, 2, 5, 2] pentadecane-6, 10, 14-tren Moiety from *Chloranthus fortunei*." *ACS Omega* 7.39 (2022): 35063-35068.
28. Jiazheng Liu, Jieru Meng, Runfeng Li, Haiming Jiang, Lu Fu, Ting Xu, Guo-Yuan Zhu, Wei Zhang, Jin Gao, **Zhi-Hong Jiang\***, Zi-Feng Yang\*, Li-Ping Bai\*. "Integrated

network pharmacology analysis, molecular docking, LC-MS analysis and bioassays revealed the potential active ingredients and underlying mechanism of *Scutellariae radix* for COVID-19." *Frontiers in plant science* 13 (2022): 988655.

29. Tian-Peng Yin, Yi Yu, Qing-Hua Liu, Ming-Yue Zhou, Guo-Yuan Zhu, Li-Ping Bai, Wei Zhang\*, **Zhi-Hong Jiang\***. "2D NMR-based MatchNat Dereplication Strategy Enables Explosive Discovery of Novel Diterpenoid Alkaloids." *Chinese Journal of Chemistry* 40.18 (2022): 2169-2178.
30. Kua Hu, Tong-Meng Yan, Kai-Yue Cao, Fang Li, Xiao-Rong Ma, Qiong Lai, Jin-Cheng Liu, Yu Pan, Jun-Ping Kou, **Zhi-Hong Jiang\***. "A tRNA-derived fragment of ginseng protects heart against ischemia/reperfusion injury via targeting the lncRNA MIAT/VEGFA pathway." *Molecular Therapy-Nucleic Acids* 29 (2022): 672-688.
31. Jing-Guang Lu, Yingwei Wang, Ming-Rong Yang, Cai-Yun Wang, Jieru Meng, Jiazheng Liu, Zifeng Yang, Kongsong Wu, Li-Ping Bai\*, Guo-Yuan Zhu\*, **Zhi-Hong Jiang\***. "Structures, biomimetic synthesis, and anti-SARS-CoV-2 activity of two pairs of enantiomeric phenylpropanoid-conjugated protoberberine alkaloids from the rhizomes of *Corydalis decumbens*." *Archives of Pharmacal Research* 45.9 (2022): 631-643.
32. Long-Bo Bai, Lee-Fong Yau, Tian-Tian Tong, Wai-Him Chan, Wei Zhang\*, **Zhi-Hong Jiang\***. "Improvement of tissue-specific distribution and biotransformation potential of nicotinamide mononucleotide in combination with ginsenosides or resveratrol." *Pharmacology Research & Perspectives* 10.4 (2022): e00986.
33. Rong-Sheng Shen, Dai Cao, Fei-Long Chen, Xu-Jia Wu, Jin Gao, Li-Ping Bai, Wei Zhang, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "New Monoterpene-Conjugated Phenolic Constituents from Nutmeg and Their Autophagy Modulating Activities." *Journal of Agricultural and Food Chemistry* 70.31 (2022): 9684-9693.
34. Kai-Yue Cao, Yu Pan, Tong-Meng Yan, Peng Tao, Yi Xiao, **Zhi-Hong Jiang\***. "Antitumor activities of tRNA-derived fragments and tRNA halves from non-pathogenic *Escherichia coli* strains on colorectal cancer and their structure-activity relationship." *mSystems* 7.2 (2022): e00164-22.
35. Yingwei Wang, Mingrong Yang, Chichou Lao, **Zhihong Jiang\***. "Potassium-Base-Mediated Autoxidative Diastereoselective Homocoupling of N-Acyl-2-aminoacetophenones." *Organic Letters* 24.14 (2022): 2625-2629.
36. Kai-Yue Cao, Tong-Meng Yan, Ji-Zhou Zhang, Ting-Fung Chan, Jie Li, Chong Li, Elaine Lai-Han Leung, Jin Gao, Bao-Xian Zhang, **Zhi-Hong Jiang\***. "A tRNA-derived fragment

from Chinese yew suppresses ovarian cancer growth via targeting TRPA1." *Molecular Therapy-Nucleic Acids* 27 (2022): 718-732.

37. Fei-Long Chen, Dong-Li Liu, Jing Fu, Ji Yang, Li-Ping Bai, Wei Zhang, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "(±)-Atrachinenins A—C, Three Pairs of Caged C27 Meroterpenoids from the Rhizomes of *Atractylodes chinensis*." *Chinese Journal of Chemistry* 40.4 (2022): 460-466.
38. Fei-Long Chen, Dong-Li Liu, Jing Fu, Lu Fu, Jin Gao, Li-Ping Bai, Wei Zhang, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "Atrachinenynes A–D, four diacetylenic derivatives with unprecedented skeletons from the rhizomes of *Atractylodes chinensis*." *New Journal of Chemistry* 46.32 (2022): 15530-15537.
39. Tianpeng Yin, Jingguang Lu, Qinghua Liu, Guoyuan Zhu, Wei Zhang\*, **Zhihong Jiang\***. "Validated quantitative 1H NMR method for simultaneous quantification of indole alkaloids in *Uncaria rhynchophylla*." *ACS Omega* 6.47 (2021): 31810-31817.
40. Xin Liu, Jing Fu, Rong-Sheng Shen, Xu-Jia Wu, Ji Yang, Li-Ping Bai, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "Linderanoids A–O, dimeric sesquiterpenoids from the roots of *Lindera aggregata* (Sims) Kosterm." *Phytochemistry* 191 (2021): 112924.
41. Yahui Ge, Na Li, Yu Fu, Xi Yu, Ying Xiao, Zhiying Tang, Jianbo Xiao, Jian-Lin Wu\*, **Zhi-Hong Jiang\***. "Deciphering superior quality of Pu-erh tea from thousands of years' old trees based on the chemical profile." *Food Chemistry* 358 (2021): 129602.
42. Qiang Shang, Xiaobo Zhou, Ming-Rong Yang, Jing-Guang Lu, Yu Pan, Guo-Yuan Zhu\*, **Zhi-Hong Jiang\***. "Amide Derivatives of Ginkgolide B and Their Inhibitory Effects on PAF-Induced Platelet Aggregation." *ACS Omega* 6.35 (2021): 22497-22503.
43. Xin Liu, Ji Yang, Jing Fu, Pei-Lin Xu, Tang-Gui Xie, Li-Ping Bai, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "Monoterpene-flavonoid conjugates from *Sarcandra glabra* and their autophagy modulating activities." *Bioorganic Chemistry* 112 (2021): 104830.
44. WANG Cai-Yun, LU Jing-Guang, CHEN Da-Xin, WANG Jing-Rong, CHE Kai-Si, Ming Zhong, Wei Zhang\*, **Zhi-Hong Jiang\***. "Comprehensive chemical study on different organs of cultivated and wild *Sarcandra glabra* using ultra-high performance liquid chromatography time-of-flight mass spectrometry (UHPLC-TOF-MS)." *Chinese Journal of Natural Medicines* 19.5 (2021): 391-400.
45. Xin Liu, Jing Fu, Ji Yang, Ancheng C Huang, Run-Feng Li, Li-Ping Bai, Liang Liu, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "Linderaggrenolides A–N, oxygen-conjugated sesquiterpenoid dimers from the roots of *Lindera aggregata*." *ACS Omega* 6.8 (2021): 5898-5909.



46. Yu Pan, Tong-Meng Yan, Jing-Rong Wang, **Zhi-Hong Jiang\***. "The nature of the modification at position 37 of tRNAPhe correlates with acquired taxol resistance." *Nucleic Acids Research* 49.1 (2021): 38-52.
47. Run-Feng Li, Xiao-Bo Zhou, Hong-Xia Zhou, Zi-Feng Yang, Hai-Ming Jiang, Xiao Wu, Wen-Jia Li, Jian-Jian Qiu, Jia-Ning Mi, Ming Chen, Nan-Shan Zhong, Guo-Yuan Zhu\*, **Zhi-Hong Jiang\***. "Novel fatty acid in Cordyceps suppresses influenza A (H1N1) virus-induced proinflammatory response through regulating innate signaling pathways." *ACS Omega* 6.2 (2021): 1505-1515.
48. Tianpeng Yin, Huixia Zhang, Wei Zhang\*, **Zhihong Jiang\***. "Chemistry and biological activities of hetisine-type diterpenoid alkaloids." *RSC advances* 11.57 (2021): 36023-36033.
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50. Ji Yang, Xin Liu, Jing Fu, Hao-Yuan Lyu, Li-Ping Bai, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "Calycindaphines A–J, Daphniphyllum alkaloids from the roots of Daphniphyllum calycinum." *RSC Advances* 11.16 (2021): 9057-9066.
51. Tong-Meng Yan, Yu Pan, Meng-Lan Yu, Kua Hu, Kai-Yue Cao, **Zhi-Hong Jiang\***. "Full-range profiling of tRNA modifications using LC–MS/MS at single-base resolution through a site-specific cleavage strategy." *Analytical Chemistry* 93.3 (2020): 1423-1432.
52. Hao Huang, Tian-Tian Tong, Lee-Fong Yau, Jing-Rong Wang, Mao-Hua Lai, Chun-Ren Zhang, Xiao-Hui Wen, Shu-Na Li, Kun-Yin Li, Jian-Qiao Liu, Hong-Xia Ma, Benjamin K Tsang, **Zhi-Hong Jiang\***. "Chemerin isoform analysis in human biofluids using an LC/MRM-MS-based targeted proteomics approach with stable isotope-labeled standard." *Analytica Chimica Acta* 1139 (2020): 79-87.
53. Mao-Ze Wang, Jin Gao, Yang Chu, Jie Niu, Ming Chen, Qiang Shang, Li-Hua Peng\*, **Zhi-Hong Jiang\***. "Synthesis of crocetin derivatives and their potent inhibition in multiple tumor cells proliferation and inflammatory property of macrophage." *BMC Complementary medicine and therapies* 20 (2020): 1-8.
54. Zheng Li, Hongwei Chen, Huixia Zhang, Yan Li, Caiyun Wang, Liping Bai, Wei Zhang\*, **Zhihong Jiang\***. "Similarity and specificity of traditional Chinese medicine formulas for management of coronavirus disease 2019 and rheumatoid arthritis." *ACS Omega* 5.47 (2020): 30519-30530.

55. Yan Li, Yanli Chen, Huixia Zhang, Christopher Wai Kei Lam, Zheng Li, Caiyun Wang, Yunfeng Zhao, Wei Zhang\*, **Zhihong Jiang\***. "Immobilization of cell membrane onto a glucose-Zn-based porous coordination polymer and its application to rapid screening of potentially active compounds from *Vaccinium corymbosum* L. leaves." *Microchimica Acta* 187 (2020): 1-10.
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58. Tongmeng Yan, Kua Hu, Fei Ren, **Zhihong Jiang\***. "LC-MS/MS profiling of post-transcriptional modifications in ginseng tRNA purified by a polysaccharase-aided extraction method." *Biomolecules* 10.4 (2020): 621.
59. An-Cheng Huang, Cheng-Yu Chen, Jing-Rong Wang\*, **Zhi-Hong Jiang\***. "Three new C21 steroidal glycosides from *Tylophora atrofolliculata*." *Phytochemistry Letters* 36 (2020): 111-114.
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