

王煒個人簡歷



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研究方向：中藥、天然藥物活性物質的發現、活性分析

研究;高通量篩選新方法的建立及靶向增效研究

簡介：王煒教授是長江學者特聘教授，國家百千萬人才工程入選者，“有突出貢獻中青年專家”，湖南中醫藥大學藥學院院長，創新藥物研究所所長，湖南中醫藥大學中醫藥民族醫藥國際聯合實驗室主任。Karachi University、澳門科技大學、溫州醫科大學、長春中醫藥大學、陝西中醫藥大學、西南民族大學、湖南醫藥學院等客座教授或特聘專家，柳州市政府顧問。

王煒教授主要從事中醫藥民族醫藥藥效物質基礎與分析研究。主持國家自然科學基金、國家 863 課題和國際合作課題多項。先後在國內外期刊發表中英文論文 200 餘篇。獲授權專利 10 項。擔任 Bentham Science 國際期刊 Current Chinese Science-Natural Products Section 主編和 Current Traditional Medicine 執行主編；Current Medicinal Chemistry, Current Cancer Drug Target, Chinese Herbal Medicine, World Journal of Traditional Chinese Medicine 等的編委。

學術兼職：擔任中華中醫藥學會中成藥專業委員會副主任委員、中國民族醫藥協會民族醫藥教育專業委員會副會長、湖南中醫藥學會民族醫藥專業委員會副主任委員、湖南省藥學會天然藥物分會副主任委員、世中聯中藥鑒定專業委員會常務理事、世中聯中藥藥劑專業委員會常務理事、中華中醫藥協會中藥化學

專業委員會常務委員、中國民族醫藥協會醫藥現代化與臨床轉化專業委員會常務理事、世中聯中藥分析專業委員會常務理事、中華中西結合協會中藥分會青年委員、中華中醫藥協會中藥藥劑專業委員會委員等。

教育經歷（按時間倒排序）：

2007.1-2011.6 美國國家天然產物研究中心，密西西比大學藥學院，天然藥物化學專業，博士後；

2003.9-2006.6 北京大學藥學院，生藥學專業，博士；

1994.9-1997.7 湖南中醫藥大學藥學院，中藥藥劑學專業，碩士。

工作經歷（按時間倒排序）：

2020-今 澳門科技大學中醫藥學院特聘教授，兼職導師

2020.12-今 湖南中醫藥大學長江學者特聘教授

2015.1-2020.12 湖南省芙蓉學者特聘教授

2011.9-2015.1 湖南中醫藥大學藥學院副教授，教授，博導

2007.1-2011.9 美國國家天然產物研究中心 FDA 天然植物藥物和食品補充劑研究專案組,博士後，研究科學家

2006.1-2007.1 中國科學院上海藥物研究所中藥現代化研究中心

1997.7-2006.1 原國家科委生命中心中國科技開發院醫藥所（深圳市），研究開發室主任，所長助理，副所長

學術成果：

1. Dai Lu, Xing Tian, Yixiong Yang, Zixuan Fu, Qian Zhao, Bin Li*, **Wei Wang***. Rapid and sensitive aptamer-linked immunosorbent assay with aptamer-templated silver nanoparticles

for detection of aflatoxin B1 in medicinal and edible food, Food Bioscience, 2024, 60: 104387 IF=4.8

2. Hui Zhong, Qi Jiang, Cong Wu, Huanghe Yu, Bin Li, Xudong Zhou, Ronggeng Fu, **Wei Wang***, and Wenbing Sheng*. Design, Synthesis, and Antitumor Activity Evaluation of Artemisinin Bivalent Ligands" *Molecules*, 2024,29(2): 409. IF=4.2
3. Qi Jiang, Cong Wu, Hui Zhong, Tong Pan, Caiyun Peng, Wenmao Wang,**Wei Wang***, Wenbing Sheng*. Application of Deep Eutectic Solvents in Formation of Carbon-Carbon and Carbon-Heteroatom Bond by Cross-Coupling Reactions.2023
4. Cong Wu, Qi Jiang, Hui Zhong, Xudong Zhou, Leping Liu, Tong Pan, Chao Liu, **Wei Wang***, Wenbing Sheng Design, synthesis, and biological activity evaluation of dihydromyricetin derivatives against SARS-CoV-2-Omicron virus. *Journal of enzyme inhibition and medicinal chemistry*, (2024),39(1), 2390909. IF=5.6
5. Luyun Ning, Yuanshu Xu, Lu Luo, Limin Gong, Yeman Liu, Zhi Wang, **Wei Wang***. Integrative analyses of metabolome and transcriptome reveal the dynamic accumulation and regulatory network in rhizomes and fruits of *Polygonatum cyrtoneura* Hua. *BMC genomics*, (2024),25(1), 706. IF=3.5
6. Luyun Ning, Qian Xiao, Chensi Tan, Limin Gong, Yeman Liu, Zhi Wang, Shujin He, Chengdong He, Hanwen Yuan, **Wei Wang***. An integrated targeted metabolome of phytohormones and transcriptomics analysis provides insight into the new generation of crops: *Polygonatum kingianum* var. *grandifolium* and *Polygonatum kingianum*. *Frontiers in plant science*, (2024), 15: 1464731. IF=4.1
7. Xing Tian, Haodong Wang, Liang Chen, Hanwen Yuan, Caiyun Peng, **Wei Wang***. Distinct Changes in Metabolic Profile and Sensory Quality with Different Varieties of *Chrysanthemum* (Juhua) Tea Measured by LC-MS-Based Untargeted Metabolomics and Electronic Tongue. *Foods (Basel, Switzerland)*, (2024). 13(7), 1080. IF=4.7
8. Liang Chen, Dai Lu, Yuxi Wan, Yaqian Zou, Ruiyi Zhang, Tao Zhou, Bin Long, Kangming Zhu, **Wei Wang***, Xing Tian* Metabolite Profiling and Identification of Sweet/Bitter Taste Compounds in the Growth of *Cyclocarya paliurus* Leaves Using Multiplatform Metabolomics, *Foods (Basel, Switzerland)*, (2024). 13(19), 3089. IF=4.7
9. Qingyi Liu, Qiongdan Zhang, Zhijian Yao, Gangqiang Yi, Yeonseok Kang, Yixing Qiu, Yupei Yang, Hanwen Yuan, Ronggeng Fu, Wenbing Sheng, Lidong Cheng, **Wei Wang***, Huizhen Wang* Caiyun Peng*. Pushing Forward the DNA Walkers in Connection with Tumor-Derived Extracellular Vesicles. *International journal of nanomedicine*, (2024).19, 6231–6252. IF=6.6
10. Qiongdan Zhang, Qingyi Liu, Gang Fu, Feibing Huang, Yanfu Tang, Yixing Qiu, Anqi Ge, Jinhui Hu, **Wei Wang***, Bin Li*, Huizhen Wang*. Dual-driven AND molecular logic gates for label-free and sensitive ratiometric fluorescence sensing and inhibitors screening,*Journal of Colloid and Interface Science*, 2024 · IF=9.4
11. Zhang, Q.#, Wang, H.#., Liu, Q., Zeng, N., Fu, G., Qiu, Y., Yang, Y., Yuan, H., **Wang, W*., & Li, B***.Exosomes as Powerful Biomarkers in Cancer: Recent Advances in Isolation and Detection Techniques. *International journal of nanomedicine*, (2024). 19, 1923–1949. IF=6.6
12. . Ni Zeng, Qiongdan Zhang, Qingying Yao, Gang Fu, Wei Su, Wei Wang*, Bin Li*. A Comprehensive Review of the Classification, Sources, Phytochemistry, and Pharmacology of Norditerpenes. *Molecules (Basel, Switzerland)*, (2023).29(1), 60. IF=4.2

13. Yuan Hanwen, Qingling Xie, Ling Liang, Jiangyi Luo, Sai Jiang, Caiyun Peng*, and **Wei Wang***. An Efficient Workflow for Quality Control Marker Screening and Metabolite Discovery in Dietary Herbs by LC-Orbitrap-MS/MS and Chemometric Methods: A Case Study of Chrysanthemum Flowers. *Foods*, 2024, 13(7): 1008. IF=4.7
14. Hanwen Yuan, Wei Su, Ling Liang, Qingling Xie, Mengying Lyu, Huanghe Yu, Bin Li and **Wei Wang***. Targeted Offline Two-Dimensional HPLC and UHPLC-Orbitrap-MS Combined with Molecular Networking Reveal the Effect of Processing on Chemical Constituents of Xuetong (the Stem of *Kadsura heteroclita*), *Separations*, 2024: 11(3):87 IF=2.5
15. Hao Zheng, Yuexuan Liu, Yasi Deng, Yunzhe Li, Shiqi Liu, Yong Yang, Yun Qiu, Bin Li, Wenbing Sheng, Jinzhi Liu, Caiyun Peng, **Wei Wang***, Huanghe Yu*. Recent advances of NFATc1 in rheumatoid arthritis-related bone destruction: mechanisms and potential therapeutic targets. *Molecular medicine (Cambridge, Mass.)*, (2024) ,30(1), 20. IF=6
16. Yasi Deng, Hao Zheng, Bin Li, Feibing Huang, Yun Qiu, Yupei Yang, Wenbing Sheng, Caiyun Peng, Xing Tian, **Wei Wang***, Huanghe Yu*. Nanomedicines targeting activated immune cells and effector cells for rheumatoid arthritis treatment, *Journal of Controlled Release*, 9 2024), Pages 498-515, ISSN 0168-3659 , IF=10.5
17. Yasi Deng, Yuxin Chen, Hao Zheng, Bin Li, Ling Liang, Wei Su, Bilal Ahmad, Yupei Yang, Hanwen Yuan, **Wei Wang***, Huanghe Yu*. Xuetongsu ameliorates synovial inflammatory hyperplasia in rheumatoid arthritis by inhibiting JAK2/STAT3 and NF-κB signaling pathways, *Journal of Ethnopharmacology* ,2025,118786,ISSN 0378-8741 IF=4.8
18. Yasi Deng, Hao Zheng, Shiqi Liu, Ying Deng, Yuxin Chen, Ling Liang, Mengyun Wang, Qingling Xie, Yupei Yang, Bin Li, Juan Huang, Hanwen Yuan, Huanghe Yu*, **Wei Wang***. Effective extraction of Xuetongsu and its role in preventing RA synovial hyperplasia by targeting synovial cell migration and apoptosis, *Scientific Reports*, 2024, 14: 23345 IF=3.9
19. Yong Yang, Tingsi Guo, Feibing Huang, Hao Zheng, Wenchu Li, Hanwen Yuan, Qingling Xie, Nusrat Hussain, **Wei Wang***, Yuqing Jian*, α-Glucosidase inhibitory flavonol glycosides from *Cyclocarya paliurus* (Batalin) Iljinskaja and their kinetics characteristics, *Phytochemistry*, Volume 225, 2024, 114195, ISSN 0031-9422, phytochem. IF=3.2
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21. Mengyun Wang, Sai Jiang, Ying Deng, Tingting Tian, Salman Zafar, Qingling Xie, Hanwen Yuan, Yuqing Jian*, **Wei Wang***. Nine new nor-3,4-seco-dammarane triterpenoids from the leaves of *Cyclocarya paliurus* and their hypoglycemic activity. *Bioorganic Chemistry*, 2024, 152:107763 IF=4.7
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23. Ruiding Wen, Lu Luo, Runcheng Zhang, Xudong Zhou, **Wei Wang***, Limin Gong*. Structural Characterization of *Polygonatum Cyrtonema* Polysaccharide and Its

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 25. Qiongdan Zhang, Huizhen Wang, Qingyi Liu, Ni Zeng, Gang Fu, Yixing Qiu, Yupei Yang, Hanwen Yuan, **Wei Wang***, Bin Li*. Exosomes as Powerful Biomarkers in Cancer: Recent Advances in Isolation and Detection Techniques. *International journal of nanomedicine*, (2024).19, 1923–1949. IF=6.6
 26. Qiongdan Zhang, Qingyi Liu, Kang Long, Kang Zhou, Zheng Yang, Anqi Ge, Jinhui Hu, Caiyun Peng, **Wei Wang***, Huizhen Wang*, Bin Li*, Visual and Fluorescence Dual Mode Platform for Sensitive and Accurate Screening of Breast Carcinoma, *Biosensors and Bioelectronics*, 2024, 117047 IF=10.7
 27. Wangxia Peng, Yupei Yang, Huaguan Lu, Huan Shi, Lihong Jiang, Xiaolin Liao, Hongqing Zhao, **Wei Wang***, Jianjun Liu*. Network pharmacology combines machine learning, molecular simulation dynamics and experimental validation to explore the mechanism of acetylbinankadsurin A in the treatment of liver fibrosis. *Journal of Ethnopharmacology*, 2024, 323: 117682. IF=5.4
 28. Shi-qi Liu, Qing-ling Xie, Ya-si Deng, Ling Liang, Han-wen Yuan, Bin Li, Huang-he Yu, Xing Tian, Yi-xing Qiu, Guy Paulin Kemayou Mouthe, Nuzhat Shehla, Ye Zhang, Ze-bo Cai, **Wei Wang***, Yu-pei Yang*. Targeted isolation of lignans and triterpenoids from kadsura coccinea by molecular networking and anti-RA-FLS activity, *Phytochemistry*, 2025, 231:114341. IF=3.4
 29. Juanjiang Wu, Huaxue Huang, Limin Gong, Xing Tian, Zhi Peng, Yizhun Zhu, and **Wei Wang***. A Flavonoid Glycoside Compound from *Siraitia grosvenorii* with Anti-Inflammatory and Hepatoprotective Effects In Vitro. *Biomolecules*, 2024, 14(4): 45 IF=4.8
 30. Yi-Yuan Xi, Chen Chen, Ju-Jia Zheng, Bing Jiang, Xin-Ya Dong, Shu-Ying Lou, Jin-Guo Luo, Xiu-Hua Zhang, Zi-Ye Zhou, Qu-Jing Luo, **Wei Wang***, Xu-Dong Zhou*. Ampelopsis grossedentata tea alleviating liver fibrosis in BDL-induced mice via gut microbiota and metabolite modulation. *npj Science of Food*, 2024, 8: 93. IF=7.8
 31. Zhibiao Zhou, Kun Yang, Long He, **Wei Wang**, Weiming Lai, Yinhua Yang, Yueguo Dong, Sheng Xie, Lin Yuan, Zebing Zeng*. Sulfone-Functionalized Chichibabin’s Hydrocarbons: Stable Diradicaloids with Symmetry Breaking Charge Transfer Contributing to NIR Emission beyond 900 nm. *Journal of the American Chemical Society*. 2024, 146, 10, 6763–6772 IF=15.6
 32. Shi-qi Liu, Bing-bing Shen, Hui-ying Li, Yu-xuan Yao, Bin Li, Huang-he Yu, Xing Tian, Xu-dong Zhou, Wen-bing Sheng, Guy Paulin Kemayou Mouthe, **Wei Wang***, Yu-pei Yang*. Integrating UPLC-Q-Exactive Orbitrap/MS, Network pharmacology and experimental validation to reveal the potential mechanism of Kadsura coccinea roots in Colon Cancer, *Journal of Ethnopharmacology*, 2025, 337(3):118934. IF=5.4
 33. Muhammad Raza Shah, Samreen Fatima, Sehrosh Naz Khan, Shafiullah, Zahid Azam, Hafeezullah Shaikh, Shahid Majid, He Chengdong, Zhou Daijun, **Wei Wang**. The safety and efficacy of Houtou Jianweiling tablet in patients with chronic non-atrophic gastritis: a

double-blind, non-inferiority, randomized controlled trial. *Frontiers in Pharmacology*. 2024, 15:1293272. IF=4.8

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35. Yuxin Bai, Guangzhi Cai, Na Guo, Xin Huang, Jiyu Gong, Shuying Liu, Yunlong Guo*, **Wei Wang***. UHPLC–HRMS based saponins profiling of three morphological regions in American ginseng (*Panax quinquefolium* L.) and their correlation with the antioxidant activity. *Food Sci Biotechnol*, 2024: 33, 1685–1696. IF=3.1

專利：

1. **王煒**，江星明，李斌，彭彩雲，盛文兵，邱伊星，蘇維。六味地黃製劑多成分的 HPLC 雙波長指紋圖譜測定方法，專利號：ZL2015101500644，授權時間：2017.01.25
2. **王煒**，江星明，李斌，彭彩雲，盛文兵，邱伊星，蘇維。六味地黃製劑的超高效液相雙波長多指標含量測定分析，專利號：ZL2015101488267，授權時間：2017.03.22
3. **王煒**，伊可拉斯·可汗，阿瑪·敕提波依納，歐陽文，龔力民，江星明，彭彩雲，李斌，黃建華。一種製備沒食子酸的方法，專利號：ZL 2015 1 0683724.5，授權時間：2017.05.10
4. **王煒**，江星明，陳勝璜，蘇維，蔡雄，曾嶸，胡建。一種含有香豆素結構的木脂素類化合物及其製備方法與應用。專利號：201410403154.5，授權時間：2017.01.04
5. 周小青，**王煒**，江星明，李斌，一種治療老年期血管性癡呆的中藥組合物及其製備方，專利號：ZL201410381288.1，授權時間：2018.2.27
6. **王煒**，伊可拉斯·可汗，阿瑪·敕提波依納，盛文兵，江星明，彭彩雲，李斌，黃建華，翦雨青，蔡雄，一種合成紫檀芪及其衍生物的方法，專利

號:ZL201510837246.9，授權時間：2018.07.06

7.王煒，江星明，蔡雄，曾嶸，沈芳儀。異型南五味子總三萜乙醇提取物在製備抗關節炎藥物中的應用。專利號：ZL201410527553.2，授權時間：2019.6.11

8.王煒，劉斌，陳豔嬌，江星明，翦雨青，李斌，彭彩雲，黃建華，謝雪嬌，一種具有抗癌活性的化合物及其製備方法與應用。專利號：ZL 2017 1 0209313.1。申請日：2017.3.31，授權日：2019.10.1

9.王煒，沈冰冰，陳勝璜，江星明，翦雨青，周琪，黃建華，李斌，彭彩雲。一種黃酮類化合物及其製備方法與應用。專利號：ZL201710208961.5。申請日：2017.3.31，授權日：2020.02.14

教材專著：

1. 編委：波譜解析第二版，人民衛生出版社，孔令義主編，2016.3
2. 副主編：中藥化學，第二版，人民衛生出版社，石任兵，邱峰主編，2016
3. 主編：中藥歌訣詩詞鑒賞，2019.8 湖南科技出版社
4. 顧問：實用製藥知識與技術解析，2017，湖南科技出版社
5. 編委：藥學英語，2016.09,人民衛生出版社
6. 副主編：中藥化學，2018.08,上海科學技術出版社，
7. 副主編：第四卷《新編中國藥材學（8卷）》。北京，中國醫藥科技出版社，2020.7. ISBN：978-7-5124-1939-9。榮獲第五屆中國出版政府獎。
8. Inflammation and natural products（2021.01 ELSEVIER）(ISBN 978-0-12-819218-4) 參編
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會議邀請報告：

1. “Tujia Ethnomedicine”. 義大利那不勒斯，第二屆中意活性天然產物研討會。
2016 年 10 月 26 日。
2. “The Introduction of Tujia Ethnomedicine”. 中國成都，第五屆中醫藥行業國際科技大會，特邀報告，2016 年 10 月 23-26 日。
3. “基於土家族藥物的民族藥物研究”，中國上海，第九屆上海中醫藥-天然藥物國際大會，分會場主席，特邀報告，2016 年 10 月 19-21 日。
4. “Natural Products Research on Tujia Ethnomedicine”，日本德島，會議及報告
2016 年 8 月 31-9 月 4 日。
5. “The Introduction of Tujia Ethnomedicine” ，巴基斯坦卡拉奇大學 2016 年 5 月 10 日。
- 6.“Chemical, Pharmacological and Quality Control Studies of Traditional Chinese Medicine (TCM) and Ethnic Medicine，美國波士頓，Drug discovery and Therapy Word Congress 2015 ，中醫藥分會場主席，主持並作特邀報告，2015 年 7 月 22-25 日。
- 7.“The Chemical Investigations on Worldwide Traditional Medicines” ， 28th International symposium on the Chemistry of Natural Products and 8th International Conference Biodiversity (ISCNP28 & ICOB8), IUPAC shanghai, 上海，2014 年 10 月 19-24 日。
- 8.“The Chemical Investigations on Traditional Medicines from Worldwide Different Origins”，Global Biotechnology Congress 2014，美國波士頓，中醫藥分會場主持並作邀請報告，2014 年 6 月 16-19 日。
- 9.“Current Issue and Considerations of Hunan Tujia Ethnomedicine”,WHO Second

Technical Consultation on Improving Data on Traditional Medicine in the Western Pacific Region, 長沙，2014 年 9 月 15-17 日。

10.“The Current Research and Development of Hunan Tujia Ethnomedicine”, 6th International Conference of Drug Discovery and Therapy – TCM Session, 阿聯酋迪拜, 傳統醫藥分會場主席主持並作邀請報告，2014 年 2 月 11-13 日。

11.“The Research and Development of Tujia Ethnomedicine”；12th ICSB, Oxford, Mississippi, 美國，2013 年 4 月 16 日。

12.“The Introduction of Tujia Ethnomedicine”；Third Hamdard International Unani Medicine Conference-2013. 巴基斯坦, 2013 年 2 月 26 日

13.“New phytochemicals from dietary supplements of “Cha de Bugre”, “Arjuna” and “Acai””，第 11 屆國際牛津植物科學大會，美國密西西比大學國家天然產物研究中心，2012 年 4 月 26 日。