

白麗萍



職稱： 教授

學院/部門：中藥機制與質量全國重點實驗室，澳門藥物及健康應用研究院

職務：中藥化學與生物有機化學實驗室副主任

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簡介: 白麗萍教授于 2001 年畢業于遼寧中醫藥大學，2004 年於同校取得碩士學位。2008 年于香港浸會大學取得博士學位。2006 年 10 月至 2007 年 1 月期間，于日本大阪大學產業科學研究所做訪問學者，主要從事苯並菲啶類生物鹼與人端粒 G-四鏈體 DNA 的相互作用研究。畢業後於香港浸會大學中醫藥學院進行研究工作。2011 年 9 月受聘于澳門科技大學中藥質量研究國家重點實驗室（2025 年 1 月重組：中藥機制與質量全國重點實驗室），擔任助理教授（自 2014 年 9 月，博士生導師），於 2015 年 7 月破格晉升為副教授，2023 年 7 月晉升為教授。

白教授的研究領域包括生物有機化學與藥物化學和天然藥物化學。主要從事中藥活性成分發現與轉化研究；抗癌和抗纖維化藥物分子的發現研究；新型鞘脂的設計合成及其在 RNA 遞送系統（脂質納米粒 LNPs 等）中的應用研究；中藥成分的原位分析技術研究等。曾參與香港 31 種劇毒中藥的顯微鑒別研究工作。研究論文發表在 Archives of Pharmacal Research, European Journal of Medicinal Chemistry, Bioorganic Chemistry, Food Chemistry, Organic Letters, Journal of Natural Products, Journal of Organic Chemistry, Phytochemistry, Organic Chemistry Frontiers 和 International Immunopharmacology 等國際學術刊物上百餘篇。迄今，已獲 28 項專利授權（含 5 項美國專利）。其中，1 項中國發明專利已實現技術轉讓於藥企。榮獲 2013 年度「澳科大中銀學術研究優秀獎」，2018/2019 學年

度 澳科大「教學傑出獎」和 2020 年度澳門自然科學獎三等獎（團體獎）等獎項。主持澳門科學技術發展基金（FDCT）等資助的研究項目 10 餘項，包括 2 項 FDCT 重點研發項目（課題負責人）；2 項 FDCT-國家科技部聯合資助項目和 1 項 FDCT-廣東省科技廳聯合資助項目。作為項目組成員，參與國家自然科學基金和廣東省自然科學基金，2021 年深圳市科技創新委員會資助的深港澳科技計劃（C 類項目）等項目。此外，還擔任中文核心期刊《分析測試學報》編委等學術職務。

研究領域：生物有機與藥物化學；天然藥物化學

研究方向：

- 中藥活性成分發現與轉化研究
- 抗癌/抗纖維化等活性先導化合物發現與創新藥物研究
- 新型鞘脂的設計合成及其在 RNA 藥物遞送系統（LNPs）中的應用研究
- 中藥的原位分析技術研究
- 基於計算機視覺技術的中藥材快速鑒別研究（與計算機視覺領域專家蔡占川教授團隊的合作研究）

主持研究項目

14) 2024.10-2027.10，血管微環境 S1PR1 調控肺泡屏障穩態機制及肺纖維化靶向新藥研發，澳門科學技術發展基金與國家科技部聯合科研資助項目 0161/2024/AMJ，208.1 万澳門幣，項目負責人

13) 2024.06-2027.06，基於藥食同源中藥協同增效關鍵技術的新一代抗衰老產品開發，澳門科學技術發展基金重點研發項目 0001/2023/AKP，1,191.6 万澳門幣，子課題：藥食同源中藥三萜皂苷類成分的深入挖掘分析及樣本庫建立，課題負責人

- 12) 2023.05-2026.05，基於鞘脂載體的新型 LNP-COVID-19 mRNA 疫苗遞送系統的研發，澳門科學技術發展基金項目 0137/2022/A3，198.8 万澳門幣，項目負責人
- 11) 2023.01-2023.12，中藥成分結構改造及抗腫瘤藥效研究，清華大學深圳國際研究生院省部共建腫瘤化學基因組學國家重點實驗室 2022 年度開放課題基金 SKLCO202210，10 萬人民幣，項目負責人
- 10) 2022.02-2025.02，一種強心甘類化合物及其合成方法與應用（中國內地發明專利申請），澳門科學技術發展基金專利資助項目 0011/2021/APT，9,140 澳門幣，項目負責人
- 9) 2022.08-2025.08，新型 VEGFR-2/Aurora A 雙靶點抑制劑的設計、合成及抗腫瘤活性研究，五邑大學港澳聯合研發基金項目 2021WGALH08，10 萬人民幣，澳方項目負責人
- 8) 2021.03-2023.03，中藥新藥“玉蝴蝶祛斑膏”的質量標準提升及臨床研究，澳門科學技術發展基金與廣東省科技廳聯合科研資助項目 0043/2020/AGJ，104.8 万澳門幣，項目負責人
- 7) 2020.09-2023.09，新型 S1P1 調節劑治療特發性肺纖維化的創新藥物研究，澳門科學技術發展基金與國家科技部聯合科研資助項目 0074/2019/AMJ，210.1 万澳門幣，項目負責人
- 6) 2020.04-2021.04，抗新型冠狀病毒肺炎的特效中藥的研發，澳門科學技術發展基金項目 0064/2020/A，40.4 万澳門幣，項目負責人
- 5) 2020.01-2023.01，融合人工智能和多組學技術開展川貝母等六種中藥的多維度質量控制研究，澳門科學技術發展基金重點研發項目 0023/2019/AKP，800 万澳門幣，子課題：基於計算機視覺技術的中藥材快速鑒別研究，課題負責人

- 4) 2019.06-2022.06，鹼性鞘磷脂脂質體的構建及其用於 siRNA 和化療藥物的聯合遞送研究，澳門科學技術發展基金 0004/2019/A1，270 万澳門幣，項目負責人
- 3) 2014.01-2018.01，Calotropis 屬藥用植物中具有低氧誘導因子-1(HIF-1) 抑制活性的 Cardenolide 類成分研究，澳門科學技術發展基金 056/2013/A2，304 万澳門幣，項目負責人
- 2) 2012.06-2014.11，共價鍵修飾 IKK β 的 Epoxide 類中藥化學成分的 GSH 追蹤分離及其抗炎活性評價，澳門科學技術發展基金 063/2011/A3，202.2 万澳門幣，項目負責人
- 1) 2012.01-2012.12，ESI-TOF-MS 和 MALDI-TOF-MS 技術對黃烷醇和黃酮醇化合物與澱粉樣多肽結合作用的比較研究，澳門基金會 (#0205)，8.5 万澳門幣，項目負責人

教學科目：

中藥學博士/碩士研究生教學：中藥研究進展（課程統籌）；中藥學研究進展（課程統籌）；中藥化學選論（課程統籌）；中藥化學實驗技術（課程統籌）。

轉化藥物科學博士研究生教學：轉化藥物科學研究進展（課程統籌）。

中藥學本科教學：中藥化學（理論課與實驗課，實驗課程統籌）；專題研究（課程統籌 2016-2025）。

學歷

2008.9 香港浸會大學哲學博士學位

2004.7 遼寧中醫藥大學生藥學碩士學位

2001.7 遼寧中醫藥大學中藥學（英語班，五年制）學士學位

教學工作經歷：

2025.01-今	澳門科技大學中藥機制與質量全國重點實驗室，教授
2023.07-2024.12	澳門科技大學中藥質量研究國家重點實驗室，教授
2015.07-2023.06	澳門科技大學中藥質量研究國家重點實驗室，副教授
2011.09-2015.06	澳門科技大學中藥質量研究國家重點實驗室，助理教授
2010.10-2011.08	香港浸會大學中醫藥學院，高級研究助理
2008.10-2010.9	香港浸會大學中醫藥學院，研究助理
2006.10-2007.01	日本大阪大學產業科學研究所，訪問學者
2003.10-2005.04	香港浸會大學中醫藥學院，訪問學者

學術成果

代表性研究論文 (*: 責任作者; #: 共同第一作者)

- 1) Yu, Qi-Hua, Liu, Zhiyan, Liu Jiazheng; **Bai, Li-Ping***. Recent advances of piperine and its derivatives as potential anticancer agents. *RSC Medicinal Chemistry*, **2026**, in press.
- 2) Tian, Wenyue; Liu, Zhiyan; Liu, Jiazheng; Kong, Lingkai, Qin, Hongyan; Zhu, Guo-Yuan; Zhang, Wei; Jin, Jing; Wang, Xiaojian; Jiang, Zhi-Hong*; **Bai, Li-Ping***. An indoloquinolinone 3a alleviates lipopolysaccharide-induced acute lung injury by modulating the NF- κ B and AMPK/Nrf2 signaling pathways. *International Immunopharmacology*, **2026**, 174, 116398.
- 3) Wang, Can-Can; Bao, Meng-Yu; Li, Hui-Ying; Xiong, Hao-Ming; Ng, Kei-Fong; **Bai, Li-Ping**; Zhang, Wei; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Isodonoids A–L: *Ent*-kauranoid diterpenoid-flavanone conjugates from *Isodon rubescens*. *Phytochemistry*, **2026**, 249, 114954.
- 4) Bao, Meng-Yu; Wang, Can-Can; Cao, Dai; Xiong, Hao-Ming; **Bai, Li-Ping**; Zhang, Wei; Jiang, Zhi-Hong; Liu, Yu-Hong*; Zhu, Guo-Yuan*. Oridonin downregulates PD-L1 expression and promotes anti-tumor immunity via inhibiting NLRP3 and STAT3. *International Immunopharmacology*, **2026**, 175, 116423.
- 5) Hao, Mengyao; Tang, Guodong; Zhou, Enjia; Fu, Rong; Wang, Mingjin; Jiang, Huimin; Chen, Xiaoguang; **Bai, Li-Ping**; Lv, Xiaoxi*; Jin, Jing*. S1PR3 Inhibition in alveolar epithelial cells alleviates pulmonary fibrosis by enhancing alveolar barrier function. *Respiratory Research*,

2026, 27, 15.

- 6) Wang, Yue; Yu, Fei; Liu, Qing-Hua; Wang, Cai-Yun; Zhu, Guo-Yuan; **Bai, Li-Ping**; Guo, Keying; Jiang, Zhi-Hong*; Zhang, Wei*. A novel electrochemical approach for sensitive and simultaneous detection of 7,8-dihydro-8-oxoadenine and 2-hydroxyadenine based on a screen-printed carbon electrode modified with carbon-encapsulated Fe₃O₄. *Talanta*, **2026**, 297, 128584.
- 7) Li, Hui-Ying; Bao, Meng-Yu; Xiong, Hao-Ming; Wang, Can-Can; **Bai, Li-Ping**; Zhang, Wei; Chen, Cheng-Yu; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Suspensaditerpenes A–Q, anti-inflammatory labdane and nor-labdane diterpenoids from the seeds of *Forsythia suspense*. *Phytochemistry*, **2026**, 242, 114688.
- 8) Liu, Qing-Hua; Yang, Liu; Wang, Yue; Xiong, Hao-Ming; Wang, Cai-Yun; Zhu, Guo-Yuan; **Bai, Li-Ping**; Zhi-Hong*; Zhang, Wei*. Oligosaccharide mapping analysis through UPLC-Orbitrap-HRMS and enzymatic hydrolysis from *Polygonatum odoratum* (Mill.) Druce. *Carbohydrate Polymers*, **2026**, 375, 124765.
- 9) Wang, Yue; Sun, Jian-Feng; Fu, Heng-Tao; Shao, Zi-Jun; Wang, Cai-Yun; Zhu, Guo-Yuan; **Bai, Li-Ping**; Zhi-Hong*; Zhang, Wei*. Chitosan-Functionalized Magnetic Graphene Oxide Nanocomposites Enable High-Purity mRNA Enrichment to Avoid False Positives in LC-MS/MS Modification Profiling. *Analytical Chemistry*, **2026**, 98, 4036-4049.
- 10) Yu, Fei; Wang, Yue; Wang, Cai-Yun; Zhu, Guo-Yuan; **Bai, Li-Ping**; Guo, Keying; Jiang, Zhi-Hong*; Zhang, Wei*. A novel and sensitive trefoil-structured biosensor based on nanoporous gold for simultaneous determination of microRNA-21 and microRNA-16. *Biosensors & Bioelectronics*, **2025**, 272, 117093.
- 11) Yang, Ziwei; Zhou, Mingyue; Yin, Tianpeng; Wang, Cai-Yun; Zhu, Guo-Yuan; **Bai, Li-Ping**; Zhi-Hong*; Zhang, Wei*. Functionalized Carbon Dots With Intrinsic Wnt/β-Catenin Inhibition to Synergistically Promote 5-Fluorouracil Chemotherapy. *International Journal of Nanomedicine*, **2025**, 20, 1951-1964.
- 12) Liu, Xiao-Mei; Ren, Wen-Jing; Lyu, Hao-Yuan; Chen, Cheng-Yu; Pan, XH, **Bai, Li-Ping**; Zhang, Wei; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Verbenalinosides A and B, Two Iridoid-Phenylethanoid Glycoside Conjugates from *Verbena officinalis* and Their Hepatoprotective

Activity. *ACS Omega*, **2025**, *10*, 9684-9690.

- 13) Li, Hui-Ying; Bao, Meng-Yu; Xiong, Hao-Ming; Wang, Can-Can; **Bai, Li-Ping**; Zhang, Wei; Chen, Cheng-Yu; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Forsyditerpenes A–O, CC-type clerodane and aromatic abietane diterpenoids with anti-inflammatory activities from the seeds of *Forsythia suspensa*. *Fitoterapia*, **2025**, *185*, 106675.
- 14) Shao, Zi-Jun; Wang, Yue; Wang, Cai-Yun; Zhu, Guo-Yuan; **Bai, Li-Ping**; Qian, Zheng-Ming; Jiang, Zhi-Hong*; Zhang, Wei*. Chitosan-modified magnetic graphene oxide nanoassembly: a dual-functional platform for targeted protein adsorption and natural bioactive ingredient screening. *Bioorganic Chemistry*, **2025**, *163*, 108787.
- 15) Yang, Zi-Wei; Yin, Tianpeng; Wang, Cai-Yun; Zhu, Guo-Yuan; **Bai, Li-Ping**; Jiang, Zhi-Hong*; Zhang, Wei*. Biomass-derived carbon dots with pharmaceutical activity as temozolomide carrier for synergistic treatment of melanoma. *Bioorganic Chemistry*, **2025**, *164*, 108919.
- 16) Fu, Heng-Tao; Sun, Jian-Feng; Shao, Zi-Jun; Wang, Cai-Yun; **Bai, Li-Ping**; Zhu, Guo-Yuan; Jiang, Zhi-Hong*; Zhang, Wei*. Nanoplastic-induced NAT10/ac4C axis drives both oxidative stress and chemoresistance. *Journal of Hazardous Materials*, **2025**, *499*, 140193.
- 17) Sun, Wenxia; Zhao, Yichen; Su, Hongna; Li, Jiayao; Ma, Hao; Luo, Hanyue; Liu, Kunying; Mou, Lu; Liang, Pan; **Bai, Li-Ping**, Luo, Pei*; Zhang, Zhifeng*. Synthesis of decenylsuccinic anhydride-modified hyaluronic acid and its colloidal self-assembly into plumbagin-loaded amphiphilic micelles. *International Journal of Biological Macromolecules*, **2025**, *334*, 148971.
- 18) Fu, Lu; Wang, Can-Can; Tian, Wenyue; Liu, Zhiyan; Bao, Meng-Yu; Liu, Jiazheng; Zhang, Wei; **Bai, Li-Ping***; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. NMR-guided isolation of anti-inflammatory carabranolides from the fruits of *Carpesium abrotanoides* L. *Journal of Natural Products*, **2024**, *87*, 1786-1797.
- 19) Liu, Jiazheng; Xu, Ting; Ding, Jianjun; Wen, Haoyue; Meng, Jieru; Liu Qing; Liu, Xiaomei; Zhang, Wei; Zhu, Guo-Yuan; Jiang, Zhi-Hong*; Gao, Jing*; **Bai, Li-Ping***. 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**, *455*, 139814.

- 20) Fu, Lu; Tian, Wenyue; Bao, Meng-Yu; Liu, Zhiyan; Ren, Wen-Jing; Liu, Jiazheng; Zhang, Wei; Zhang, Zhifeng; Gao, Jing; **Bai, Li-Ping***; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Cevanine-type alkaloids from the bulbs of *Fritillaria unibracteata* var. *wabuensis* and their antifibrotic activities in vitro. *Phytochemistry*, **2024**, *220*, 114018.
- 21) Chen, Jian-Li; Jia, Xiao-Hui; Wu, Xuan; Yuan, Ming-Heng; Xia, Xinyue; Yin, Dan; Chen, Xu; Gu, Ze-Yun; Liu, Jia-Zheng; **Bai, Li-Ping**; Luo, Kathy Qian; Wang, Jianfang; Zhu, Xiao-Ming*. Kidney-targeted antioxidant salvianolic acid B nanoparticles restoring lysosome homeostasis for acute kidney injury therapy. *Chemical Engineering Journal*, **2024**, *490*, 151811.
- 22) Lin, Zhi-Rong; Bao, Meng-Yu; Xiong, Hao-Ming; Cao, Dai; **Bai, Li-Ping**; Zhang, Wei; Chen, Cheng-Yu; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Boswellianols A–I, Structurally Diverse Diterpenoids from the Oleo-gum Resin of *Boswellia carterii* and Their TGF- β Inhibition Activity. *Plants*, **2024**, *13*, 1074.
- 23) Lyu, Peilun; Liu, Jiazheng; Zhang, Yuhan; Ye, Ben; Lan, Ting; **Bai, Li-Ping**; Cai, Zhanchuan*; Jiang, Zhi-Hong*. A Novel Feature Fusion Framework for Industrial Automation Single-Multiple Object Detection. *IEEE Transactions on Industrial Informatics*, **2024**, *20*, 7686-7697.
- 24) Chen, Fei-Long; Liu, Dong-Li; Ren, Wen-Jing; Xiong, Hao-Ming; **Bai, Li-Ping**; Zhang, Wei; Hon, Chitin; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Atrachinenins D-S, Novel Meroterpenoids with Geranyl Hydroquinone Moiety from *Atractylodes chinensis* by the LC/MS-based Molecular Decoy and Targeted Isolation. *Bioorganic Chemistry*, **2024**, *144*, 107111.
- 25) Wu, Yanqi; Guan, Yuhong; Huang, Peilin; Chen, Hui; **Bai, Li-Ping**; Jiang, Zhi-Hong*. 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*, **2023**, 109308.
- 26) Zhou, Mingyue; Yang, Ziwei; Yin, Tianpeng; Zhao, Yunfeng; Wang, Cai-Yun; Zhu, Guo-Yuan; **Bai, Li-Ping**; Jiang, Zhi-Hong*; Zhang, Wei*. Functionalized Fe-Doped Carbon Dots Exhibiting Dual Glutathione Consumption to Amplify Ferroptosis for Enhanced Cancer Therapy. *ACS Applied Materials & Interfaces*, **2023**, *15*, 53228-53241.
- 27) Wang, Yue; Yu, Fei; Liu, Qinhua; Wang, Caiyun; Zhu, Guo-Yuan; **Bai, Li-Ping**; Shi, Shuai; Zhao, Yunfeng; Jiang, Zhi-Hong*; Zhang, Wei*. A novel and sensitive dual signaling

ratiometric electrochemical aptasensor based on nanoporous gold for determination of Ochratoxin A. *Food Chemistry*, **2024**, 137192.

- 28) Liu, Qian-Bao; Liu, Jiazheng; Lu, Jing-Guang; Yang, Ming-Rong; Zhang, Wei; Li, Wen-Jia; Qian, Zheng-Ming; Jiang, Zhi-Hong*; **Bai, Li-Ping***. Quantitative ¹H NMR with global spectral deconvolution approach for quality assessment of natural and cultured *Cordyceps sinensis*. *Journal of Pharmaceutical and Biomedical Analysis*, **2023**, 235, 115603.
- 29) Lyu, Hao-Yuan; Bao, Meng-Yu; Io, Chi-Cheng; Xiong, Hao-Ming; Chen, Fei-Long; **Bai, Li-Ping**; Zhang, Wei; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Sesquiterpenoids from the roots of *Aucklandia costus* and their anti-inflammatory activities. *Fitoterapia*, **2023**, 169, 105604.
- 30) Zhao, Yue; Jin, Hua; Lei, Kawai; **Bai, Li-Ping**; Pan, Hudan; Wang, Caiyuan; Zhu, Xiaoming; Tang, Yanqing; Guo, Zhengyang; Cai, Jiye; Li, Ting*. Oridonin inhibits inflammation of epithelial cells via dual-targeting of CD31 Keap1 to ameliorate acute lung injury. *Frontiers in Immunology*, **2023**, 14, 1163397
- 31) Xiong, Hao-Ming; Li, Hui-Ying; Lin, Zhi-Rong; Liu, Xiao-Mei; **Bai, Li-Ping**; Zhang, Wei; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Chemical Constituents from the Fruits of *Amomum kravanh* and Their Role in Activating Alcohol Dehydrogenase. *Molecules*, **2023**, 28, 4878.
- 32) Zhang, Hui-Xia; Yu, Dian; Sun, Jian-Feng; Zeng, Ling; Wang, Cai-Yun; **Bai, Li-Ping**; Zhu, Guo-Yuan; Jiang, Zhi-Hong*; Zhang, Wei*. An Integrated Approach to Evaluate Acetamidiprid-induced Oxidative Damage to tRNA in Human Cells Based on Oxidized Nucleotide and tRNA Profiling. *Environment International*, **2023**, 178, 108038.
- 33) Ren, Wen-Jing; Io, Chi-Cheng; Jiang, Rong; Ng, Kei-Fong; Liu, Jiazheng; **Bai, Li-Ping**; Zhang, Wei; Jiang, Zhi-Hong*; Liu, Yuhong*; Zhu, Guo-Yuan*. Di- and Triterpenoids from the Rhizomes of *Isodon amethystoides* and Their Anti-inflammatory Activities. *Journal of Natural Products*, **2023**, 86,1230-1239.
- 34) Lu, Li; Zhang, Xin; Kang, Yu; Xiong, Zhuang; Zhang, Kun; Xu, Xuetao*, **Bai, Li-Ping***; Li, Hongguang*. Novel coumarin derivatives as potential tyrosinase inhibitors: Synthesis, binding analysis and biological evaluation. *Arabian Journal of Chemistry*, **2023**, 16:104724.
- 35) Meng, Jie-Ru; Liu, Jiazheng; Fu, Lu; Shu, Tong; Yang, Lingzhi; Zhang, Xueji*; Jiang, Zhi-

- Hong*; **Bai, Li-Ping***. Anti-Entry Activity of Natural Flavonoids Against SARS-CoV-2 by Targeting Spike RBD. *Viruses*, **2023**, *15*, 160.
- 36) Hao, Mengyao; Fu, Rong; Tai, Jun; Tian, Zhenhuan; Yuan, Xia; Chen, Yang; Wang, Mingjin; Jiang, Huimin; Ji, Ming; Lai, Fangfang; Xue, Nina; **Bai, Li-Ping**; Zhu, Yizhun; Lv, Xiaoxi*; Chen, Xiaoguang*; Jin, Jing*. S1PR1 serves as a viable drug target against pulmonary fibrosis by increasing the integrity of the endothelial barrier of the lung. *Acta Pharmaceutica Sinica B*, **2023**, *13*, 1110-1127.
- 37) Zhang, Hui-Xia[#]; Qin, Jian-Feng[#]; Sun, Jian-Feng; Pan, Yu; Yan, Tongmeng; Wang, Cai-Yun; **Bai, Li-Ping**; Zhu, Guo-Yuan; Jiang, Zhi-Hong*; Zhang, Wei*. Selective chemical labeling strategy for oligonucleotides determination: a first application to full-range profiling of transfer RNA modifications. *Analytical Chemistry*, **2023**, *95*, 686-694.
- 38) Liu, Jiazheng[#]; Meng, Jieru[#]; Li, Runfeng[#]; Jiang, Haiming; Fu, Lu; Xu, Ting; Zhu, Guo-Yuan; Zhang, Wei; Gao, Jin; Jiang, Zhi-Hong*; Yang, Zi-Feng*; **Bai, Li-Ping***. 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*, **2022**, *13*, 988655.
- 39) Zheng, Zhiyuan[#]; Xu, Ting[#]; Liu, Zhiyang; Tian, Wenyue; Jiang, Zhi-Hong; Zhu, Guo-Yuan; Li, Ting; Gao, Jin; **Bai, Li-Ping***. Cryptolepine suppresses breast adenocarcinoma via inhibition of HIF-1 mediated glycolysis. *Biomedicine & Pharmacotherapy*, **2022**, *153*, 113319.
- 40) Wu, Xu-Jia; Cao, Dai; Chen, Fei-Long; Shen, Rong-Sheng; Gao, Jin; **Bai, Li-Ping**; Zhang, Wei; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Chlorfortunoids A and B, Two Sesquiterpenoid Dimers Possessing Dispiro[4,2,5,2]pentadecane-6,10,14-tren Moiety from *Chloranthus fortunei*. *ACS Omega*, **2022**, *7*, 35063-35068.
- 41) Yin, Tianpeng; Yu, Yi; Liu, Qinghua; Zhu, Guoyuan; **Bai, Li-Ping**; Zhang, Wei*; Jiang, Zhi-Hong*. ¹³C-NMR-based MixONat strategy coupled with 2D NMR for rapid dereplication and identification of new secondary metabolites from *Aloe vera*. *Journal of Food Composition and Analysis*, **2022**, *115*, 104975.

- 42) Lu, Jing-Guang; Wang, Yingwei; Yang, Ming-Rong; Wang, Cai-Yun; Meng, Jieru; Liu, Jiazheng; Yang, Zi-Feng; Wu, Kongsong; **Bai, Li-Ping***; Zhu, Guo-Yuan*; Jiang, Zhi-Hong*. Structures, Biomimetic Synthesis, and Anti-SARS-CoV-2 Activity of Two Pairs of Enantiomeric Phenylpropanoid-Conjugated Pro-toberberine Alkaloids from the Rhizomes of *Corydalis decumbens*. *Archives of Pharmacal Research*, **2022**, *45*, 631-643.
- 43) Wu, Yanqi; **Bai, Li-Ping**; Ye, Chengfu; Guan, Yuhong; Yan, Kunming; Chen, Hui; Jiang Zhi-Hong*. Novel miniaturized fluorescence loop-mediated isothermal amplification detection system for rapid on-site virus detection. *Frontiers in Bioengineering and Biotechnology*, **2022**, *10*, 964244.
- 44) Shen, Rong-Sheng; Cao, Dai; Chen, Fei-Long; Wu, Xu-Jia; Gao, Jin; **Bai, Li-Ping**; Zhang, Wei; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. New monoterpene-conjugated phenolic constituents from nutmeg and their autophagy modulating activities. *Journal of Agricultural and Food Chemistry*, **2022**, *70*(31), 9684-9693.
- 45) Chen, Fei-Long; Liu, Dong-Li; Fu, Jing; Fu, Lu; Gao, Jin; **Bai, Li-Ping**, Zhang, Wei, Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Atrachinenynes A–D, four diacetylenic derivatives with unprecedented skeletons from the rhizomes of *Atractylodes chinensis*. *New Journal of Chemistry*, **2022**, Doi:10.1039/D2NJ02149H.
- 46) Kong, Lingkai[#]; Tian, Wenyue[#]; Liu, Zhiyan, Xu, Ting; Wen, Haoyue; Chen, Zihan; Gao, Jin; **Bai, Li-Ping***. TfOH-Catalyzed Cascade C-H/N-H Chemo-regioselective Annulation of Indole-2-carboxamides with Benzoquinones for the Construction of Anticancer Tetracyclic Indolo[2,3-c]quinolinones. *Journal of Organic Chemistry*, **2022**, *87*, 7955-7967.
- 47) Yin, Tianpeng; Yu, Yi; Liu, Qinghua; Mingyue Zhou; Zhu, Guo-Yuan; **Bai, Li-Ping**; Zhang, Wei*; Jiang, Zhi-Hong*. 2D NMR-based MatchNat Dereplication Enables Explosive Discovery of Novel Diterpenoid Alkaloids. *Chinese Journal of Chemistry*, **2022**, *40*, 2169-2178.
- 48) Xu, Ting[#]; Meng, Jieru[#]; Cheng, Wanqing; Liu, Jiazheng; Chu, Junyan; Zhang, Qian; Ma, Nannan; **Bai, Li-Ping***; Guo, Yong*. Discovery of honokiol thioethers containing 1,3,4-oxadiazole moieties as potential α -glucosidase and SARS-CoV-2 entry inhibitors. *Bioorganic and Medicinal Chemistry*, **2022**, *67*, 116838.

- 49) Liu, Qian-Bao[#]; Lu, Jing-Guang[#]; Jiang, Zhi-Hong^{*}; Zhang, Wei; Li, Wen-Jia; Qian, Zheng-Ming; **Bai, Li-Ping^{*}**. In situ chemical Profiling and imaging of cultured and natural *Cordyceps sinensis* by TOF-SIMS. *Frontiers in Chemistry*, **2022**, *10*, 862007.
- 50) Xiao, Riping[#]; Lei, Kaiwai[#]; Kuok, Hioha[#]; Deng, Wende; Zhuang, Yuxing; Tang, Yanqing; Guo, Zhengyang; Qin, Hongyan^{*}; **Bai, Li-Ping^{*}**; Li, Ting^{*}. Synthesis and identification of lithocholic acid 3-sulfate as ROR γ t ligand to inhibit Th17 cell differentiation. *Journal of Leukocyte Biology*, **2022**, *112*, 835-843.
- 51) Wang, Yue; Wu, Xuan; Sun, Jianfeng; Wang, Caiyuan; Zhu, Guoyuan; **Bai, Li-Ping**; Jiang, Zhi-Hong^{*}; Zhang, Wei^{*}. Stripping voltammetric determination of cadmium and lead ions based on a bismuth oxide surface-decorated nanoporous bismuth electrode. *Electrochemistry Communications*, **2022**, *136*, 107233.
- 52) Kong, Lingkai; Hu, Xueping; **Bai, Li-Ping^{*}**. TBAI-Catalyzed Oxidative Coupling of Benzyl Ketones to Synthesize 2,3-Diaryl-1,4-Diketones in Water. *ACS OMEGA*, **2022**, *7*, 2337-2343.
- 53) Kong, Lingkai; Meng, Jieru; Tian, Wenyue; Liu, Jiazheng; Hu, Xueping; Jiang, Zhi-Hong; Zhang, Wei; Li, Yanzhong^{*}; **Bai, Li-Ping^{*}**. I₂-Catalyzed Carbonylation of α -Methylene Ketones to Synthesize 1,2-Diaryl Diketones and Antiviral Quinoxalines in One Pot. *ACS OMEGA*, **2022**, *7*, 1380-1394.
- 54) Chen, Fei-Long; Liu, Dong-Li; Fu, Jing; Yang, Ji; **Bai, Li-Ping**; Zhang, Wei; Jiang, Zhi-Hong^{*}; Zhu Guo-Yuan^{*}. (\pm)-Atrachinenins A–C, three pairs of caged C27 meroterpenoids from the rhizomes of *Atractylodes Chinensis*. *Chinese Journal of Chemistry*, **2022**, *40*, 460-466.
- 55) Guo, Yong[#]; Meng, Jieru[#]; Liu, Jiazheng; Xu, Ting; Zheng, Zhiyuan; Jiang, Zhi-Hong; **Bai Li-Ping^{*}**. Synthesis and biological evaluation of honokiol derivatives bearing 3-((5-phenyl-1,3,4-oxadiazol-2-yl)methyl)oxazol-2(3H)-ones as potential viral entry inhibitors against SARS-CoV-2. *Pharmaceuticals*, **2021**, *14*, 885.
- 56) Guo, Yong; Enhua, Hou; Tingyu, Wen; Xiaoting, Yan; Meiyue, Han; **Bai, Li-Ping**; Xiangjing, Fu; Jifeng, Liu^{*}; Shangshang, Qin^{*}. Development of Membrane-Active Honokiol/Magnolol Amphiphiles as Potent Antibacterial Agents against Methicillin-Resistant *Staphylococcus aureus* (MRSA). *Journal of Medicinal Chemistry*, **2021**, *64*, 12903-12916.

- 57) Hu, Chun-Mei; Wang, Wen-Jing; Ye, Yuan-Na; Kang, Yu; Lin, Jing; Wu, Pan-Pan; Li, Dong-Li; **Bai, Li-Ping**; Xu, Xue-Tao; Li, Bao-Qiong; Zhang, Kun. Novel cinnamic acid moganol derivatives as potent α -glucosidase and α -amylase inhibitors: Synthesis, in vitro and in silico studies. *Bioorganic Chemistry*, **2021**, *116*, 105291.
- 58) Xu, Ting; Tian Wenyue; Zhang, Qian; Liu Jiazheng; Liu, Zhiyan; Jin, Jing; Guo, Yong*; **Bai, Li-Ping***. Novel 1,3,4-thiadiazole/oxadiazole-linked honokiol derivatives suppress cancer via inducing PI3K/Akt/mTOR-dependent autophagy. *Bioorganic Chemistry*, **2021**, *115*, 105257.
- 59) Liu, Xin; Fu, Jing; Shen, Rong-Sheng; Wu, Xu-Jia; Yang, Ji; **Bai, Li-Ping**; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Linderanoids A–O, dimeric sesquiterpenoids from the roots of *Lindera aggregata* (Sims) Kosterm. *Phytochemistry*, **2021**, *191*, 112924.
- 60) Zheng, Zhiyuan[#]; Zhou, Zhongbo[#]; Zhang, Qiulong; Zhou, Xiaobo; Yang, Ji; Yang, Ming-Rong; Zhu, Guo-Yuan; Jiang, Zhi-Hong; Li, Ting; Lin, Qianyu; **Bai, Li-Ping***. Non-classical Cardenolides from *Calotropis gigantea* Exhibit Anticancer Effect as HIF-1 Inhibitors. *Bioorganic Chemistry*, **2021**, *109*, 104740.
- 61) Li, Yan[#]; Zhang, Huixia[#]; Luo, Wendi; Lam, Christopher Wai Kei; Wang, Caiyun; **Bai, Li-Ping**; Wong, Vincent Kam Wai; Zhang, Wei*; Jiang, Zhi-Hong*. Profiling ribonucleotide and deoxyribonucleotide pools perturbed by remdesivir in human bronchial epithelial cells. *Frontiers in Pharmacology*, **2021**, *12*, 647280.
- 62) Liu, Xin; Yang, Ji; Fu, Jing; Xu, Pei-Lin; Xie, Tang-Gui; **Bai, Li-Ping**; Jiang, Zhi-Hong*, Zhu, Guo-Yuan*. Monoterpene-Flavonoid Conjugates from *Sarcandra glabra* and Their Autophagy Modulating Activities. *Bioorganic Chemistry*, **2021**, *112*, 104830.
- 63) Zhong Shan^{#*}; **Bai, Li-Ping**[#]; Liu, Xiaodong; Cai, Dieyi; Yau, Leefong; Huang, Chuqin; Zhang, Jiaqi; Lai, Kefang*; Zhong, Nanshan. Cough inhibition activity of *Schisandra chinensis* in guinea pigs. *Journal of Medicinal Food*, **2021**, *24*, 348-357.
- 64) Liu, Xin; Jing, Fu; Yang, Ji; Huang, AnCheng; Li, Run-Feng; **Bai, Li-Ping**; Liu, Liang; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Linderaggrenolides A–N, Oxygen-Conjugated Sesquiterpenoid Dimers from the Roots of *Lindera aggregata*. *ACS Omega*, **2021**, *6*, 5898-5909.
- 65) Yang, Ji; Liu, Xin; Fu, Jing; Lyu, Hao-Yuan; **Bai, Li-Ping**; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*.

Calycindaphines A–J, Daphniphyllum alkaloids from the roots of *Daphniphyllum calycinum*. *RSC Advances*, **2021**, *11*, 9057-9066.

- 66) Wang, Ye; Zheng, Zhong; Yuan, Yang; Wang, Mengdan; Guo, Zixia; Jiang, Yuan-Ye*; **Bai, Li-Ping***; Li, Yanzhong*. Cascade C-N Bond Cleavage of Amides / Intramolecular Amination Reactions: An Atom Economical Way to α -Cabolin-4-ones. *Organic Chemistry Frontiers*, **2020**, *8*, 579-583.
- 67) Zhou, Xiaobo[#]; Xiao, Riping[#]; Chen, Ming; **Bai, Li-Ping***. Synthesis of Uscharin Oxime Analogues and Their Biological Evaluation as HIF-1 Inhibitors. *ChemistrySelect*, **2020**, *5*, 12869.
- 68) Li, Zheng; Qian, Zengting; Chen, Hongwei; Zhang, Huixia; Li, Yan; Wang, Caiyun; **Bai, Li-Ping**; Zhang, Wei*; Jiang, Zhi-Hong*. Similarity and specificity of traditional Chinese medicine formulas for the management of coronavirus disease 2019 and rheumatoid arthritis based on integrated network pharmacology. *ACS Omega*, **2020**, *5*, 30519.
- 69) Xu, Ting; Zheng, Zhiyuan; Guo, Yong*; **Bai, Li-Ping***. Semisynthesis of novel magnolol-based Mannich base derivatives that suppress cancer cells via inducing autophagy. *European Journal of Medicinal Chemistry*, **2020**, *205*, 112663.
- 70) Huang, Qi; Zhang, Hui; **Bai, Li-Ping**, Law, Betty Yuen Kwan; Xiong, Haoming; Zhou, Xiaobo; Xiao, Riping; Qu, Yuan Qing; Mok, Simon Wing Fai; Liu, Liang*; Wong, Vicent Kam Wai*. Novel ginsenoside derivative 20(S)-Rh2E2 suppresses tumor growth and metastasis in vivo and in vitro via intervention of cancer cell energy metabolism, *Cell Death and Disease* **2020**, *11*, 621.
- 71) Liu, Meixian; Li, Na; Zhang, Yida; Zheng, Zhiyuan; Zhuo, Yue; Sun, Baoqing; **Bai, Li-Ping**; Zhang, Mingming; Guo, Mingquan; Wu, Jianlin*. Characterization of Covalent Protein Modification by Triclosan in vivo and in vitro via Three-Dimensional Liquid Chromatography-Mass Spectrometry: New Insight into Its Adverse Effects. *Environment International* **2020**, *136*, 105423.
- 72) Wang, Zhihua; Wu, Wenbo; Guan, Xiangchen; Guo, Shuang; Li, Chaowen; Niu, Ruixue; Gao, Jie; Jiang, Min; **Bai, Li-Ping**; Leung, Elaine Laihan; Hou, Yuanyuan*; Jiang, Zhi-Hong*;

- Bai,Gang*. Multiomic analysis revealed 20(s)-protopanaxatriol promotes the binding of P53 and DNA to regulate the antitumor network. *Acta Pharmaceutica Sinica B*, **2020**,10(6), 1020-1035.
- 73) Jin, Jing^{#*}; Xue, Nina[#]; Liu, Yuan; Fu, Rong; Wang, Mingjin; Ji, Ming; Lai, Fangfang; Hu, Jinping; Wang, Xiaojian; Xiao, Qiong; Zhang, Xiaoying; Yin, Dali; **Bai, Li-Ping**; Chen, Liping^{*}; Rao, Shuan^{*}. A novel S1P1 modulator IMM002 ameliorates psoriasis in multiple animal models, *Acta Pharmaceutica Sinica B*, **2020**, 10(2), 276-288.
- 74) Chen, Qi; Liu, Juan; Zhuang, Yuxin; **Bai, Li-Ping**; Yuan, Qing; Zheng, Silin; Liao, Kangsheng; Khan, Md. Asaduzzaman; Wu, Qibiao; Luo, Cheng; Liu, Liang; Wang, Hui^{*}; Li, Ting^{*}. Identification of an IKK β inhibitor for inhibition of inflammation in vivo and in vitro. *Pharmacological Research*, **2019**, 149, 104440.
- 75) Zhou, Xiaobo[#]; Chen, Li[#]; Jiang, Zhi-Hong; Chen, Xiao Yi; Luo, Pei^{*}; **Bai, Li-Ping**^{*}. Synthesis of 21-Alkylidenes and 21-Alkylol Analogues of Uscharin and Their Effects on Intracellular Calcium in Cardiac Cells. *Chemistryselect* **2019**, 4 (19), 5512-5517.
- 76) Liu, Xin; Yang, Ji; Yao, Xiaojun; Yang, Xing; Fu, Jing; **Bai, Li-Ping**; Liu, Liang; Jiang, Zhi-Hong^{*}; Zhu, Guo-Yuan^{*}. Linderalides A-D, Disesquiterpenoids Geranylbenzofuranone Conjugates from *Lindera aggregate*. *Journal of Organic Chemistry* **2019**, 84 (12), 8242-8247.
- 77) Liu, Juan; **Bai, Li-Ping**; Yang, Fen; Yao, Xiaojun; Lei, Kawai; Lam, Christopher Wai Kei; Wu, Qibiao; Zhuang, Yuxin; Xiao, Riping; Liao, Kangsheng; Kuok, Hioha; Li, Ting^{*}; Liu, Liang^{*}. Potent Antagonists of ROR γ 1, Cardenolides from *Calotropis gigantea*, Exhibit Discrepant Effects on the Differentiation of T Lymphocyte Subsets. *Molecular Pharmaceutics* **2019**, 16 (2), 798-807.
- 78) Qin, Hong-Yan^{*}; Kou, Jia-Xin; Rao, Zhi; Zhang, Guo-Qiang; Wang, Xiao-Hua; **Bai, Li-Ping**; Wei, Yu-Hui. N-acetyltransferase Activity Assay and Inhibitory Compounds Screening by Using Living Human Hepatoma HepaRG Cell Model. *International Journal of Pharmacology* **2019**, 15 (2), 229-237.
- 79) Fan, Dongsheng; Li, Ting; Zheng, Zhiyuan; Zhu, Guo-Yuan; Yao, Xiaojun; Jiang, Zhi-Hong^{*}; **Bai, Li-Ping**^{*}. Macrolide sesquiterpene pyridine alkaloids from the stems of *Tripterygium*

regelii. *Journal of Natural Medicines* **2019**, 73 (1), 23-33.

- 80) Zhu, Guo-Yuan*; Yang, Ji; Yao, Xiaojun; Yang, Xing; Fu, Jing; Liu, Xin; **Bai, Li-Ping**; Liu, Liang; Jiang, Zhi-Hong*. (+/-)-Sativamides A and B, Two Pairs of Racemic Nor-Lignanamide Enantiomers from the Fruits of *Cannabis sativa*. *Journal of Organic Chemistry* **2018**, 83 (4), 2376-2381.
- 81) Zhou, Xiaobo[#]; Qu, Yuan Qing[#]; Zheng, Zhiyuan; Law, B. Yuen Kwan; Mok, S. Wing Fai; Jiang, Zhi-Hong*; Wong, V. Kam Wai*; **Bai, Li-Ping***. Novel dauricine derivatives suppress cancer via autophagy-dependent cell death. *Bioorganic Chemistry* **2019**, 83, 450-460.
- 82) Sun, B.; Liang, Z.; Xie, B. P.; Li, R. T.; Li, L. Z.; Jiang, Z.-H.; **Bai, Li-Ping**; Chen, Jin Xiang*. Fluorescence sensing platform based on ruthenium(II) complexes as high 3S (sensitivity, specificity, speed) and "on-off-on" sensors for the miR-185 detection. *Talanta* **2018**, 179, 658-667.
- 83) Zhou, Xiao Bo[#]; Chen, Ming[#]; Zheng, Zhi Yuan; Zhu, Guo-Yuan; Jiang, Zhi-Hong*; **Bai, Li-Ping***. Synthesis and evaluation of novel 12-aryl berberine analogues with hypoxia-inducible factor-1 inhibitory activity. *RSC Advances* **2017**, 7 (43), 26921-26929.
- 84) Yang, S. P.; Zhao, W.; Hu, P. P.; Wu, K. Y.; Jiang, Z.-H.; **Bai, Li-Ping**; Li, M. M.; Chen, J. X. Lanthanum-Based Metal-Organic Frameworks for Specific Detection of Sudan Virus RNA Conservative Sequences down to Single-Base Mismatch. *Inorg Chem* **2017**, 56 (24), 14880-14887.
- 85) Sun, B.; Zhao, H. Q.; Xie, B. P.; **Bai, Li-Ping**; Jiang, Z.-H.; Chen, Jin Xiang. Sequence-specific fluorometric recognition of HIV-1 ds-DNA with zwitterionic zinc(II)-carboxylate polymers. *J Inorg Biochem* **2017**, 176, 17-23.
- 86) Qiu, G. H.; Lu, W. Z.; Hu, P. P.; Jiang, Z.-H.; **Bai, Li-Ping**; Wang, T. R.; Li, M. M.; Chen, Jin Xiang*. A metal-organic framework based PCR-free biosensor for the detection of gastric cancer associated microRNAs. *J Inorg Biochem* **2017**, 177, 138-142.
- 87) Fan, Dongsheng; Zhou, Shuangyan; Zheng, Zhiyuan; Zhu, Guo-Yuan; Yao, Xiaojun; Yang, Ming Rong; Jiang, Zhi-Hong; **Bai, Li-Ping***. New Abietane and Kaurane Type Diterpenoids from the Stems of *Tripterygium regelii*. *International Journal of Molecular Sciences* **2017**, 18

(1), 147.

- 88) Xie, B.-P.[#]; Qiu, G.-H.[#]; Hu, P.-P.; Liang, Z.; Liang, Y.-M.; Sun, B.; **Bai, Li-Ping**; Jiang, Z.-H.; Chen, Jin-Xiang*. Simultaneous detection of Dengue and Zika virus RNA sequences with a three-dimensional Cu-based zwitterionic metal–organic framework, comparison of single and synchronous fluorescence analysis. *Sensors and Actuators B: Chemical* **2017**, *254*, 1133-1140.
- 89) Yan, Fenggen; Yang, Fen; Wang, Rui; Yao, Xiao Jun; **Bai, Li-Ping**; Zeng, Xing; Huang, J.; Wong, V. Kam Wain; Lam, C. W.; Zhou, Hua; Su, Xiaohui; Liu, Juan; Li, Ting*; Liu, Liang*. Isoliquiritigenin suppresses human T Lymphocyte activation via covalently binding cysteine 46 of IkappaB kinase. *Oncotarget* **2017**, *8*(21), 34223-34235.
- 90) Wong, V. Kam Wai; Dong, Hang; Liang, Xu; **Bai, Li-Ping**; Jiang, Zhi-Hong; Guo, Y.; Kong, A. N. T.; Wang, R.; Kam, R. K. T.; Law, B. Yuen Kwan; Hsiao, W. W. L.; Chan, K. M.; Wang, Jing Rong; Chan, R. W. K.; Guo, J. R.; Zhang, W.; Yen, F. G.; Zhou, H.; Leung, E. L. H.; Yu, Z. L.; Liu, Liang*. Rh2E2, a novel metabolic suppressor, specifically inhibits energy-based metabolism of tumor cells. *Oncotarget* **2016**, *7* (9), 9907-9924.
- 91) Wang, Jing-Rong; Tong, Tian Tian; Yau, Lee Fong; Chen, Cheng Yu; **Bai, Li-Ping**; Ma, Jing; Hu, Ming; Liu, Liang; Jiang, Zhi-Hong. Characterization of oxygenated metabolites of ginsenoside Rg1 in plasma and urine of rat. *J Chromatogr B Analyt Technol Biomed Life Sci* **2016**, *1026*, 75-86.
- 92) Parhira, Supawadee; Zhu, Guo-Yuan; Li, Ting; Liu, Liang; **Bai, Li-Ping***; Jiang, Zhi-Hong*. Inhibition of IKK-beta by epidioxysterols from the flowers of *Calotropis gigantea* (Niu jiao gua). *Chinese Medicine* **2016**, *11*, 9.
- 93) Parhira, Supawadee; Zhu, Guo-Yuan; Chen, Ming; **Bai, Li-Ping***; Jiang, Zhi-Hong*, Cardenolides from *Calotropis gigantea* as potent inhibitors of hypoxia-inducible factor-1 transcriptional activity. *Journal of Ethnopharmacology* **2016**, *194*, 930-936.
- 94) Li, Jin Xin; Sakata, A.; He, Han Ping; **Bai, Li-Ping**; Murata, A.; Dohno, C.; Nakatani, Kazuhiko*. Naphthyridine-Benzoazaquinolone: Evaluation of a Tricyclic System for the Binding to (CAG)(n) Repeat DNA and RNA. *Chemistry-an Asian Journal* **2016**, *11* (13), 1971-1981.

- 95) Li, Jin Xin; Matsumoto, J.; **Bai, Li-Ping**; Murata, A.; Dohno, C.; Nakatani, Kazuhiko*. A Ligand That Targets CUG Trinucleotide Repeats. *Chemistry-a European Journal* **2016**, *22* (42), 14881-14889.
- 96) Fan, Dong Sheng; Zhu, Guo-Yuan; Li, Ting; Jiang, Zhi-Hong*; **Bai, Li-Ping***. Dimacrolide Sesquiterpene Pyridine Alkaloids from the Stems of *Tripterygium regelii*. *Molecules* **2016**, *21* (9), 1146.
- 97) Fan, Dong Sheng; Zhu, Guo-Yuan; Chen, Ming; Xie, Li Min; Jiang, Zhi-Hong; Xu, Liang; **Bai, Li-Ping***. Dihydro-beta-agarofuran sesquiterpene polyesters isolated from the stems of *Tripterygium regelii*. *Fitoterapia* **2016**, *112*, 1-8.
- 98) Fan, Dong Sheng; Parhira, Supawadee; Zhu, Guo-Yuan; Jiang, Zhi-Hong; **Bai, Li-Ping***. Triterpenoids from the stems of *Tripterygium regelii*. *Fitoterapia* **2016**, *113*, 69-73.
- 99) Chen, Cheng Yu; **Bai, Li-Ping**; Ke, Zhen Feng; Liu, Yan; Wang, Jing-Rong*; Jiang, Zhi-Hong*, G-Quadruplex DNA-binding quaternary alkaloids from *Tylophora atrofoliculata*. *RSC Advances* **2016**, *6* (115), 114135-114142.
- 100) Wang, Rui; Zhang, C. Y.; **Bai, Li-Ping**; Pan, Hui Dan; Shu, L. M.; Kong, A. N. T.; Leung, E. Lai Han; Liu, Liang; Li, Ting*. Flavonoids derived from liquorice suppress murine macrophage activation by up-regulating heme oxygenase-1 independent of Nrf2 activation. *International Immunopharmacology* **2015**, *28* (2), 917-924.
- 101) Wang, Jing-Rong; Yau, Lei-Fong; Tong, Tian-Tian; Feng, Qi-Tong; **Bai, Li-Ping**, Ma, Jing; Hu, Ming; Liu, Liang; Jiang, Zhi-Hong*. Characterization of Oxygenated Metabolites of Ginsenoside Rb1 in Plasma and Urine of Rat. *Journal of Agricultural and Food Chemistry* **2015**, *63*, 2689-2700.
- 102) Zhu, G.-Y.; Yao, X. J.; Liu, L.; **Bai, Li-Ping ***; Jiang, Z.-H.*, Alistonitrine A, a Caged Monoterpene Indole Alkaloid from *Alstonia scholaris*. *Organic Letters* **2014**, *16* (4), 1080-1083.
- 103) Zhu, G.-Y.; Chen, G. Y.; Liu, L.; **Bai, Li-Ping***; Jiang, Z.-H.*, C-17 Lactam-Bearing Limonoids from the Twigs and Leaves of *Amoora tsangii*. *Journal of Natural Products* **2014**, *77* (4), 983-989.

- 104)Zhu, G.-Y.; **Bai, Li-Ping**; Liu, L.*; Jiang, Z.-H.*, Limonoids from the fruits of *Melia toosendan* and their NF-kappa B modulating activities. *Phytochemistry* **2014**, *107*, 175-181.
- 105)Yang, Z. F.#; **Bai, Li-Ping**#; Huang, W. B.; Li, X. Z.; Zhao, S. S.; Zhong, N. S.*; Jiang, Z.-H.*, Comparison of in vitro antiviral activity of tea polyphenols against influenza A and B viruses and structure-activity relationship analysis. *Fitoterapia* **2014**, *93*, 47-53.
- 106)Parhira, S.; Zhu, G.-Y.; Jiang, R. W.; Liu, L.; **Bai, Li-Ping***; Jiang, Z.-H.*, 2'-Epi-uscharin from the Latex of *Calotropis gigantea* with HIF-1 Inhibitory Activity. *Scientific Reports* **2014**, *4*, 4748.
- 107)Parhira, S.; Yang, Z. F.; Zhu, G.-Y.; Chen, Q. L.; Zhou, B. X.; Wang, Y. T.; Liu, L.; **Bai, Li-Ping***; Jiang, Z.-H.*, In Vitro Anti-Influenza Virus Activities of a New Lignan Glycoside from the Latex of *Calotropis gigantea*. *Plos One* **2014**, *9* (8), e104544.
- 108)Law, B. Y. K.; Chan, W. K.; Xu, S. W.; Wang, J. R.; **Bai, Li-Ping**; Liu, L.; Wong, V. K. W., Natural small-molecule enhancers of autophagy induce autophagic cell death in apoptosis-defective cells. *Scientific Reports* **2014**, *4*.
- 109)**Bai, Li-Ping**; Liu, J.; Han, L.; Ho, H. M.; Wang, R. X.; Jiang, Z.-H.*, Mass spectrometric studies on effects of counter ions of TMPyP4 on binding to human telomeric DNA and RNA G-quadruplexes. *Analytical and Bioanalytical Chemistry* **2014**, *406* (22), 5455-5463.
- 110)**Bai, Li-Ping**; Hagihara, M.; Nakatani, K.; Jiang, Z.-H.*, Recognition of Chelerythrine to Human Telomeric DNA and RNA G-quadruplexes. *Scientific Reports* **2014**, *4*, 6767.
- 111)**Bai, Li-Ping**; Ho, H. M.; Ma, D. L.; Yang, H.; Fu, W. C.; Jiang, Z.-H.*, Aminoglycosylation Can Enhance the G-Quadruplex Binding Activity of Epigallocatechin. *Plos One* **2013**, *8* (1), e53962.
- 112)Yang, W. G.; Wong, Y.; Ng, O. T. W.; **Bai, Li-Ping**; Kwong, D. W. J.; Ke, Y.; Jiang, Z.-H.; Li, H. W.*; Yung, K. K. L.*; Wong, M. S.*, Inhibition of Beta-Amyloid Peptide Aggregation by Multifunctional Carbazole-Based Fluorophores. *Angewandte Chemie-International Edition* **2012**, *51* (8), 1804-1810.
- 113)He, H.; **Bai, Li-Ping**; Jiang, Z.-H.*, Synthesis and human telomeric G-quadruplex DNA-binding activity of glucosaminosides of shikonin/alkannin. *Bioorganic & Medicinal*

Chemistry Letters **2012**, 22 (4), 1582-1586.

- 114) Man, B. Y. W.; Chan, H. M.; Leung, C. H.; Chan, D. S. H.; **Bai, Li-Ping**; Jiang, Z.-H.; Li, H. W.; Ma, D. L.*; Group 9 metal-based inhibitors of beta-amyloid (1-40) fibrillation as potential therapeutic agents for Alzheimer's disease. *Chemical Science* **2011**, 2 (5), 917-921.
- 115) Ma, D. L.; Kwan, M. H. T.; Chan, D. S. H.; Lee, P.; Yang, H.; Ma, V. P. Y.; **Bai, Li-Ping**; Jiang, Z.-H.; Leung, C. H., Crystal violet as a fluorescent switch-on probe for i-motif: label-free DNA-based logic gate. *Analyst* **2011**, 136 (13), 2692-2696.
- 116) Dong, H.[#]; **Bai, Li-Ping**[#]; Wong, V. K. W.; Zhou, H.; Wang, J. R.; Liu, Y.; Jiang, Z.-H.*; Liu, L.*; The in Vitro Structure-Related Anti-Cancer Activity of Ginsenosides and Their Derivatives. *Molecules* **2011**, 16 (12), 10619-10630.
- 117) Chan, D. S. H.; Yang, H.; Kwan, M. H. T.; Cheng, Z.; Lee, P.; **Bai, Li-Ping**; Jiang, Z.-H.; Wong, C. Y.; Fong, W. F.; Leung, C. H.*; Ma, D. L.*; Structure-based optimization of FDA-approved drug methylene blue as a c-myc G-quadruplex DNA stabilizer. *Biochimie* **2011**, 93 (6), 1055-1064.
- 118) Chu, C.; Xia, L.; **Bai, Li-Ping**; Li, Q.; Li, P.; Chen, H. B.; Zhao, Z. Z.*; Authentication of the 31 Species of Toxic and Potent Chinese Materia Medica by Light Microscopy, Part 3: Two Species of T/PCMM from Flowers and Their Common Adulterants. *Microscopy Research and Technique* **2009**, 72 (6), 454-463.
- 119) Xia, L.; **Bai, Li-Ping**; Chu, C.; Li, P.; Jiang, Z.-H.; Zhao, Z. Z.*; Authentication of the 31 species of Toxic and Potent Chinese Materia Medica (T/PCMM) by microscopic technique, Part 2: Three species of seed T/PCMM. *Microscopy Research and Technique* **2008**, 71 (4), 325-333.
- 120) **Bai, Li-Ping**; Hagihara, M.; Jiang, Z.-H.*; Nakatani, K.*; Ligand Binding to Tandem G Quadruplexes from Human Telomeric DNA. *ChemBioChem* **2008**, 9 (16), 2583-2587.
- 121) **Bai, Li-Ping**; Cai, Z. W.; Zhao, Z. Z.; Nakatani, K.; Jiang, Z.-H.*; Site-specific binding of chelerythrine and sanguinarine to single pyrimidine bulges in hairpin DNA. *Analytical and Bioanalytical Chemistry* **2008**, 392 (4), 709-716.
- 122) Xia, L.; **Bai, Li-Ping**; Yi, L.; Liu, B. B.; Chu, C.; Liang, Z. T.; Li, P.; Jiang, Z.-H.; Zhao, Z.

Z.*, Authentication of the 31 species of toxic and potent chinese materia medica (T/PCMM) by microscopic technique, part 1: Three kinds of toxic and potent animal CMM. *Microscopy Research and Technique* **2007**, 70 (11), 960-968.

123) Long, Y. H. #; **Bai, Li-Ping** #; Qin, Y.; Pang, J. Y.; Chen, W. H.; Cai, Z. W.; Xu, Z. L.; Jiang, Z.-H., Spacer length and attaching position-dependent binding of synthesized protoberberine dimers to double-stranded DNA. *Bioorganic & Medicinal Chemistry* **2006**, 14 (13), 4670-4676.

124) **Bai, Li-Ping**; Zhao, Z. Z.; Cai, Z. W.; Jiang, Z.-H.*, DNA-binding affinities and sequence selectivity of quaternary benzophenanthridine alkaloids sanguinarine, chelerythrine, and nitidine. *Bioorganic & Medicinal Chemistry* **2006**, 14 (16), 5439-5445.

125) **Bai, Li-Ping**; Jiang, H.; Kang, T.; Zhang, H.; Jiang, Z.-H.; Zhao, Z.*, Pharmacognostical Evaluation of Arctii Fructus (5): Chemical Constituents from Fruits of *Amorpha fruticosa* L. *Natural Medicines* (The present journal name: *Journal of Natural Medicines*) **2004**, 58, 275-277.

專利

- 1) 金晶，**白麗萍**，郝夢瑤、劉芝延等。一種三氟甲基苄醚取代的氨基酸類衍生物、其制法和用途。中國發明專利號 ZL 202311189621.4，授權日 2026 年 3 月 20 日。
- 2) 金晶，**白麗萍**，郝夢瑤、劉芝延等。一種三氟甲基環己基苄醚取代的含氮有機酸類衍生物、其制法和用途。中國發明專利號 ZL202311195997.6，授權日 2026 年 3 月 20 日。
- 3) **白麗萍**，姜志宏，田文月，劉芝延。吡啶喹啉酮類化合物在製備預防或/和治療肺纖維化和肺損傷疾病藥物中的應用。中國發明專利號 ZL202311098036.3，授權日 2025 年 10 月 31 日。
- 4) **白麗萍**，姜志宏，劉芝延，田文月，康澳，劉家正。一種紫萁酮曼尼希鹼類化合物及其合成方法和應用。中國發明專利號 ZL202410885620.1，授權日 2025 年 09 月 19 日。
- 5) 姜志宏，**白麗萍**，許婷，周小波，郭勇。鞘脂類化合物、含有鞘脂類化合物的脂質體

和應用。中國發明專利號 ZL202210358677.7，申請日 2022 年 4 月 7 日，授權公告號 CN114933569 B，授權公告日 2024 年 7 月 23 日；PCT 國際申請號 PCT/CN2022/098765，申請日 2022 年 6 月 14 日。

- 6) **白麗萍**，姜志宏，孔令凱，田文月，劉芝延。一種吲哚喹啉酮類化合物及其合成方法和應用。中國發明專利 ZL202210245932.7，授權日 2024 年 06 月 04 日。
- 7) 姜志宏，盧敬光，楊明蓉，朱國元，**白麗萍**，王應偉，馬曉蓉，孟潔茹，胡婷。異喹啉生物鹼化合物及其製備和用途。中國發明專利 ZL202110758807.1，授權日 2023 年 8 月 29 日。
- 8) **白麗萍**，鄭植元，周小波，朱國元，姜志宏。一種強心苷類化合物及其合成方法與應用。中國發明專利 ZL202010913582.8，授權日 2021 年 8 月 3 日。
- 9) 姜志宏，**白麗萍**，盧敬光，劉倩寶等。一種冬蟲夏草的成分分析方法與應用。中國發明專利 ZL202011103633.7，授權日 2021 年 11 月 2 日。
- 10) 劉良，黃錦偉，**白麗萍**，黃琪，熊浩銘。一種人參皂苷衍生物及其合成方法與應用。中國發明專利 ZL202010309939.1，授權日 2021 年 11 月 23 日。
- 11) 梁純，姜志宏，王紫一，禹志領，王靜蓉，**白麗萍**。抑制 MCM 蛋白複合物的方法和化合物及其在治療癌症上的應用。中國發明專利 ZL201910489605.4，授權日 2022 年 11 月 15 日。
- 12) **Bai Li-Ping**, Zhou Xiaobo, Chen Ming, Zhu Guo-Yuan, Jiang Zhi-Hong. Berberine derivatives, their preparation and use. IP Australia 2017100179, granted on 16 March 2017.
- 13) Jiang Zhi-Hong, **Bai Li-Ping**, Zhou Xiaobo, Wong Kam Wai Vincent, Zheng Zhiyuan, Law Yuen Kwan Betty. Compounds that activate autophagy. filed on Jan. 3, 2018, U.S. Patent Application Serial No. 15/861,641. **Patent No. US 10,618,885 B2, Date of Patent 14 Apr. 2020**/ IP Australia 2018100123, granted on 14 February 2018.
- 14) Chen Jin-Xiang; Pang Jian-Xin, Liu Shu-Wen, **Bai Li-Ping**, Jiang Zhi-Hong. Crystalline contrast agent for magnetic resonance imaging, kit and composition comprising it and their use.

- filed on Sep. 21, 2016, U.S. Patent Application Serial No. 15/271,368. **Patent No. US 10,759,757 B2, Date of Patent 1 Sep. 2020**/ IP Australia 2016101702, granted on 6 Oct. 2016.
- 15) Chen Jin-Xiang, Xie Bao-Ping, Qiu Gui-Hua, Hu Pei-Pei, Liang Zhen, Liang Ye-Mei, Sun Bin, **Bai Li-Ping**, Jiang Zhi-Hong. Crystalline copper-based coordination polymers and their use. filed on 22 May. 2017, Application Serial No. 15/600,957, **Patent No. US 10,519,500 B2, Date of Patent 31 Dec. 2019**/ IP Australia 2017100590, granted on 8 Jun. 2017.
- 16) Chen Jin-Xiang, Sun Bin, Xie Bao-Ping, Jiang Zhi-Hong, **Bai Li-Ping**. Crystalline lanthanum-carboxylate coordination polymers and their use. filed on 18 May. 2017, Application Serial No. 15/598,434, **Patent No. US 10,260,114 B2, Date of Patent 16 Apr. 2019**/ IP Australia 2017100565, granted on 1 Jun. 2017.
- 17) Chen Jin-Xiang, Sun Bin, Zhao Hai-Qing, Xie Bao-Ping, **Bai Li-Ping**, Jiang Zhi-Hong. Zwitterionic zinc(II) carboxylate compounds and their use. filed on 30 Aug. 2016, Application Serial No. 15/251,300, **Patent No. US 10,023,594 B2, Date of Patent 17 Jul. 2018**/ IP Australia 2016101528, granted on 29 Sep. 2016.
- 18) Zhu Guo-Yuan, Jiang Zhi-Hong, Yang Ji, Yao Xiao-Jun, Liu Xin, Fu Jing, **Bai Li-Ping**, Liu Liang. Novel Liganamides and a method of treating neurodegenerative diseases by using the same. **Patent No. US 10,155,721 B2 Date of Patent 18 Dec. 2018**/ IP Australia 2017100992, granted on 9 August 2017.
- 19) Liu Liang, Li Ting, **Bai Li-Ping**. Method of Treating an Autoimmune Disease. IP Australia 2017101742, granted on 17 Jan. 2018.
- 20) **Bai Li-Ping** and Jiang Zhi-Hong. Recognition of chelerythrine to human telomeric DNA and RNA G-quadruplexes. IP Australia 2014100708, granted on 10 July 2014.
- 21) **Bai Li-Ping**, Parhira Supawadee, Zhu Guo-Yuan, Yang Zi-Feng, Chen Qiao-Lian, Wang Yu-Tao, Liu Liang, Jiang Zhi-Hong. *In Vitro* Anti-influenza Virus Activities of a New Lignan Glycoside from the Latex of *Calotropis gigantea*. IP Australia 2014100709, granted on 10 July 2014.
- 22) **Bai Li-Ping** and Jiang Zhi-Hong. Mass Spectrometric Studies on Effects of Counter Ions of TMPyP4 on Binding to Human Telomeric DNA and RNA G-Quadruplexes. IP Australia

2014100806, granted on 31 July 2014.

- 23) **Bai Li-Ping**, Parhira Supawadee, Zhu Guo-Yuan, Liu Liang, Jiang Zhi-Hong. 2'-Epi-uscharin from the Latex of *Calotropis gigantea* with HIF-1 Inhibitory Activity. IP Australia 2014100813, granted on 14 August 2014.
- 24) **Bai Li-Ping**, Parhira Supawadee, Zhu Guo-Yuan, Li Ting, Liu Liang, Jiang Zhi-Hong. Method of using epidioxysterols from *Calotropis gigantea* to inhibit IKK-beta activity, IP Australia 2014100822, granted on 31 July 2014.
- 25) Zhu Guo-Yuan, **Bai Li-Ping**, Liu Liang, Jiang Zhi-Hong. Limonoids from the Fruits of *Melia toosendan* and Their NF- κ B Modulating Activities. IP Australia 2014100777, granted on 31 July 2014.
- 26) Zhu Guo-Yuan, **Bai Li-Ping**, Chen Guang-Ying, Liu Liang, Jiang Zhi-Hong. Lactam-bearing limonoids from the twigs and leaves of *Amoora tsangii*. IP Australia 2014100738, granted on 17 July 2014.
- 27) Liu Liang, **Bai Li-Ping**, Dong Hang, Wong Kam-Wai, Jiang Zhi-Hong, Zhou Hua. A novel ginsenoside with anticancer activity and the preparation method thereof. U.S. Patent Application Serial No. 61725997, Patent No. US9,051,348B2
- 28) Liu Liang, **Bai Li-Ping**, Dong Hang, Wong Kam-Wai, Jiang Zhi-Hong, Zhou Hua. A novel ginsenoside with anti-cancer activity and the preparation method thereof. IP Australia 2013101321, granted on 24 October 2013.
- 29) 姜志宏，蔡占川，**白麗萍**，張雨晗，劉家正，呂沛倫，葉貴，蘭霆。一種識別藥材的方法和裝置。中國發明專利申請號 202210344018.8，申請日 2022 年 4 月 2 日，申請公佈號 CN 114818874 A，申請公佈日 2022 年 7 月 29 日。
- 30) 蔡占川，姜志宏，葉貴，呂沛倫，張雨晗，劉家正，蘭霆，**白麗萍**。圖像識別方法、電子設備及存儲介質。中國發明專利申請號 202210346579.1，申請日 2022 年 4 月 2 日，申請公佈號 CN 114821554 A，申請公佈日 2022 年 7 月 29 日。
- 31) 姜志宏，**白麗萍**，田文月，丘利芳，康澳。一種次生人參皂苷組合物及其在預防和治療肺纖維化和急性肺損傷中的應用。中國發明專利申請號 202410909990.4，申請日

2024年7月9日。

32) 白麗萍，田文月，劉芝延，姜志宏，劉家正。一種通式化合物的用途。中國發明專利申請號 202510027267.8，申請日 2025年1月8日。

著作：

- 1) 白麗萍（助編），《天然產物資源化學》，何蘭 姜志宏主編，科學出版社，北京，2008
- 2) 白麗萍（編輯助理），《百藥鑒別》，趙中振、李應生主編，萬里機構萬里書店出版，香港，2008
- 3) 白麗萍（編輯助理），《當代藥用植物典》第一、二卷，趙中振、肖培根主編，香港賽馬會中藥研究院有限公司出版，香港，2006
- 4) 白麗萍（編輯助理），《香港容易混淆中藥》，趙中振、李應生主編，香港中藥聯商會督印，香港，2005

學術機構及社會任職

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獎項

- ✓ 2013 年度「澳科大中銀學術研究優秀獎」，2014.09
- ✓ 2016 年度中珠醫療生命科學科研獎一等獎，2017.09
- ✓ 2018/2019 學年度 澳科大「教學傑出獎」，2019.08
- ✓ 2020 年度澳門自然科學獎三等獎，藥物新靶標及中藥藥效物質的特徵性分子輪廓刻畫（項目編號 012/2020/AN），團體獎，排名第三，2020.10
- ✓ 第 50 屆日內瓦國際發明展金獎，建立 DNA 複製起始蛋白質 (DRIPs) 作為新型抗癌

靶標，並開發首創靶向 DRIPs 之廣譜高效候選抗癌藥物，團體獎，排名第八，
2025.04