

姜志宏



職稱:	講座教授 澳門科技大學，副校長 澳門藥物及健康應用研究院，院長 中藥質量研究國家重點實驗室，副主任
學院/部門:	中藥質量研究國家重點實驗室，澳門藥物 及健康應用研究院
電郵地址:	zhjiang@must.edu.mo
電話:	(853) 8897-2777
傳真:	(853) 2882-5886
辦公室:	H835
郵寄地址:	澳門氹仔偉龍馬路澳門科技大學H座835室

簡介: 姜志宏教授於1987年畢業於中國藥科大學，1990年於同校取得碩士學位。1994年獲日本國費獎學金資助留學日本，1998在長崎大學獲得藥學博士學位。1999年至2001年間在美國哈佛醫學院生物化學與分子藥理學系進行博士後研究工作，從事抗腫瘤抗生素與小RNA形成共價鍵附加物的研究。2001年姜志宏博士受聘於香港浸會大學中醫藥學院任助理教授，2005年提升為副教授，2008年任教授。曾擔任教學部副主任和中藥學碩士課程主任。2011年7月任澳門科技大學澳門藥物及健康應用研究院院長，兼任中藥質量研究國家重點實驗室副主任，2016年3月任澳門科技大學副校長。

姜教授是國際知名的天然藥物化學家，他的研究領域包括天然藥物化學、代謝組學、中藥質量標準以及生物有機化學。為了推進中藥現代化，姜教授一直潛心以現代光譜和色譜學、化學生物學和代謝組學的研究技術闡明中藥的有效成分和作用機理，並取得卓著成果。迄今姜教授已在國際學術刊物上發表300餘篇SCI論文，引用次數達9460，他的H-index為57 (Google Scholar, 2021)。姜教授於2007年獲得國家傑出青年基金（海外），並於2014年獲聘為國家教育部長江學者講座教授，他的研究亦得到澳門科技發展基金、香港研究資助局、香港衛生署、國家自然科學基金、美國國立衛生研究院的資助。姜教授擔任一系列重要的學術職位，包括SCI刊物“ChemMedChem”國際諮詢委員會委員和Nature Publishing Group刊物“Scientific Reports”編輯委員會委員。此外，姜教授還擔任世界中醫藥聯合會中醫藥抗炎免疫專業委員會副會長、兩岸四地中醫藥科技合作中心副理事長和澳門特區政府科技委員會委員等社會職務。

教研領域:

教學科目: 中藥化學; 中藥分析

研究方向: 天然藥物化學; 代謝組學; 生物有機化學; 中藥質量標準

學歷:

- 1998.03 日本長崎大學藥學 博士學位
1990.07 中國藥科大學理學 碩士學位
1987.07 中國藥科大學理學 學士學位

教學經驗:

- 2015.09 -今 澳門科技大學 講座教授
2011.07 - 2015.08 澳門科技大學 教授
2008.09 - 2011.06 香港浸會大學中醫藥學院 教授
2005.07 - 2008.08 香港浸會大學中醫藥學院 副教授
2001.10 - 2005.06 香港浸會大學中醫藥學院 助理教授
1999.11 - 2001.09 哈佛醫學院生物化學與分子藥理學系 博士後
1996.10 - 2001.09 日本長崎大學藥學部 助手 (文部教官)
1990.07 - 1994.03 中國藥科大學助教 講師

學術成果:

1. Y. Pan, T.-M. Yan, J.-R. Wang, **Z.-H. Jiang**. The nature of the modification at position 37 of tRNAPhe correlates with acquired taxol resistance. *Nucleic Acids Res*, **49**, 38-52, 2021.
2. T.-M. Yan, Y. Pan, M.-L. Yu, K. Hu, K.-Y. Cao, **Z.-H. Jiang**. Full-Range Profiling of tRNA Modifications Using LC-MS/MS at Single-Base Resolution through a Site-Specific Cleavage Strategy. *Anal Chem*, **93**, 1423-1432, 2020.
3. H. Huang, T.-T. Tong, L.-F. Yau, J.-R. Wang, M.-H. Lai, C.-R. Zhang, X.-H. Wen, S.-N. Li, K.-Y. Li, J.-Q. Liu, H.-X. Ma, B.-K. Tsang, **Z.-H. Jiang**. Chemerin isoform analysis in human biofluids using an LC/MRM-MS-based targeted proteomics approach with stable isotope-labeled standard. *Anal Chim Acta*, **1139**, 79-87, 2020.
4. T.-M. Yan, K. Hu, F. Ren, **Z.-H. Jiang**. LC-MS/MS profiling of post-transcriptional modifications in ginseng tRNA purified by a polysaccharase-aided extraction method. *Biomolecules*, **10**, 621, 2020.
5. K.-Y. Cao, Y. Pan, T.-M. Yan, **Z.-H. Jiang**. Purification, characterization and cytotoxic activities of individual tRNAs from Escherichia coli. *Int J Biol Macromol*, **142**, 355-365, 2020.
6. B. Zhou, X. Liang, Q. Feng, J. Li, X. Pan, P. Xie, **Z.-H. Jiang**, Z. Yang. Ergosterol Peroxide Suppresses Influenza A Virus-Induced Pro-inflammatory Response and Apoptosis by Blocking RIG-I Signaling. *Eur J Pharmacol*, **860**, 172543, 2019.
7. X. Liu, J. Yang, J. Fu, X.-J. Yao, J.-R. Wang, L. Liu, **Z.-H. Jiang**, G.-Y. Zhu. Aggreganoids A-F, Carbon-Bridged Sesquiterpenoid Dimers and Trimers from Lindera Aggregate. *Org Lett*, **21**, 5753-5756, 2019.

8. C.-Y. Chen, G.-Y. Zhu, T.-G. Xie, P.-C. Jiang, J.-R. Wang, **Z.-H. Jiang**. A Phenanthroindolizidine Glycoside with HIF-1 Inhibitory Activity from *Tylophora atrofolliculata*. *Phytochem Lett*, **31**, 39-42, 2019.
9. L.-F. Yau, J. Liu, M. Jiang, G. Bai, J.-R. Wang, **Z.-H. Jiang**. An Integrated Approach for Comprehensive Profiling and Quantitation of IgG-Fc Glycopeptides with Application to Rheumatoid Arthritis. *J Chromatogr B Analyt Technol Biomed Life Sci*, **1122-1123**, 64-72, 2019.
10. X. Liu, J. Yang, X. Yao, X. Yang, J. Fu, L.-P. Bai, L. Liu, **Z.-H. Jiang**, G.-Y. Zhu. Linderalides A-D, Disesquiterpenoids-Geranylbenzofuranone Conjugates from *Lindera aggregate*. *J Org Chem*, **84**, 8242-8247, 2019.
11. X. Zhou, L. Chen, **Z.-H. Jiang**, X. Chen, P. Luo, L.-P. Bai. Synthesis of 21-Alkylidenes and 21-Alkylol Analogues of Uscharin and Their Effects on Intracellular Calcium in Cardiac Cells. *ChemistrySelect*, **4**, 5512-5517, 2019.
12. J. Wang, C. Wang, Y. Liang, H. Pan, **Z.-H. Jiang**, Z. Li, Y. Li, L. Xia, W. Liu, X. Zhang, Z. Liu, M. Jiang, J. Liu, H. Zhou, L. Liu. Serum IgG N-glycans act as novel serum biomarkers of ankylosing spondylitis. *Ann Rheum Dis*, **78**, 705-707, 2019.
13. J. Li, L.-M. Xie, J.-L. Song, L.-F. Yau, J.-N. Mi, C.-R. Zhang, W.-T. Wu, M.-H. Lai, **Z.-H. Jiang**, J.-R. Wang, H.-X. Ma. Alterations of Sphingolipid Metabolism in Different Types of Polycystic Ovary Syndrome. *Sci Rep*, **9**, 3204, 2019.
14. X. Zhou, Y.-Q. Qu, Z. Zheng, B.Y.-K. Law, S.W.-F. Mok, **Z.-H. Jiang**, V.K.-W. Wong, L.-P. Bai. Novel Dauricine Derivatives Suppress Cancer Via Autophagy-Dependent Cell Death. *Bioorg Chem*, **83**, 450-460, 2019.
15. D. Fan, T. Li, Z. Zheng, G.-Y. Zhu, X. Yao, **Z.-H. Jiang**, L.-P. Bai. Macrolide Sesquiterpene Pyridine Alkaloids from the Stems of *Tripterygium regelii*. *J Nat Med*, **73**, 23-33, 2019.
16. B.-P. Xie, G.-H. Qiu, B. Sun, Z.-F. Yang, W.-H. Zhang, J.-X. Chen, **Z.-H. Jiang**. Synchronous Sensing of Three Conserved Sequences of Zika Virus Using a DNAs@ MOF Hybrid: Experimental and Molecular Simulation Studies. *Inorg Chem Front*, **6**, 148-152, 2019.
17. X. Liu, J. Yang, J. Fu, T.-G. Xie, P.-C. Jiang, **Z.-H. Jiang**, G.-Y. Zhu. Phytochemical and Chemotaxonomic Studies on the Twigs of *Cinnamomum cassia* (Lauraceae). *Biochem Syst Ecol*, **81**, 45-48, 2018.
18. H. Huang, T.-T. Tong, L.-F. Yau, C.-Y. Chen, J.-N. Mi, J.-R. Wang, **Z.-H. Jiang**. LC-MS Based Sphingolipidomic Study on A549 Human Lung Adenocarcinoma Cell Line and Its Taxol-Resistant Strain. *BMC Cancer*, **18**, 799, 2018.
19. J. M, Y. Han, Y. Xu, J. Kou, W.-J. Li, J.-R. Wang, **Z.-H. Jiang**. Deep Profiling of Immunosuppressive Glycosphingolipids and Sphingomyelins in Wild Cordyceps. *J Agric Food Chem*, **66**, 8991-8998, 2018.
20. J.-R. Wang, W.-N. Gao, R. Grimm, S. Jiang, Y. Liang, H. Ye, Z.-G. Li, L.-F. Yau, H. Huang, J. Liu, M. Jiang, Q. Meng, T.-T. Tong, H.-H. Huang, S. Lee, X. Zeng, L. Liu, **Z.-H. Jiang**. Reply to 'Trace N-Glycans Including Sulphated Species May Originate from Various Plasma Glycoproteins and Not Necessarily IgG'. *Nat Commun*, **9**, 2915, 2018.

21. X. Liu, J. Fu, X.-J. Yao, J. Yang, L. Liu, T.-G. Xie, P.-C. Jiang, **Z.-H. Jiang**, G.-Y. Zhu. Phenolic Constituents Isolated from the Twigs of *Cinnamomum Cassia* and Their Potential Neuroprotective Effects. *J Nat Prod*, **81**, 1333-1342, 2018.
22. G.-Y. Zhu, J. Yang, X.-J. Yao, X. Yang, J. Fu, X. Liu, L.-P. Bai, L. Liu, **Z.-H. Jiang**. (+/-)-Sativamides A and B, Two Pairs of Racemic Nor-Lignanamide Enantiomers from the Fruits of *Cannabis Sativa*. *J Org Chem*, **83**, 2376-2381, 2018.
23. J. Yang, J. Fu, X. Liu, **Z.-H. Jiang**, G.-Y. Zhu. Monoterpenoid Indole Alkaloids from The Leaves of *Alstonia Scholaris* and Their NF-Kappa B Inhibitory Activity. *Fitoterapia*, **124**, 73-79, 2018.
24. J.-R. Wang, W.-N. Gao, R. Grimm, S. Jiang, Y. Liang, H. Ye, Z.-G. Li, L.-F. Yau, H. Huang, J. Liu, M. Jiang, Q. Meng, T.-T. Tong, H.-H. Huang, S. Lee, X. Zeng, L. Liu, **Z.-H. Jiang**. A Method to Identify Trace Sulfated IgG N-glycans as Biomarkers for Rheumatoid Arthritis. *Nat Commun*, **8**, 631, 2017.
25. J. Gao, M. Chen, X.-C. Ren, X.-B. Zhou, Q. Shang, W.-Q. Lu, P. Luo, **Z.-H. Jiang**. Synthesis and Cardiomyocyte Protection Activity of Crocetin Diamide Derivatives. *Fitoterapia*, **121**, 106-111, 2017.
26. L.-M. Xie, L.-F. Yau, **Z.-H. Jiang**, L.-Y. Zhang, Y. Xia, J.-R. Wang. Sphingolipidomic Study of Davidiin-treated HepG2 Human Hepatocellular Carcinoma Cells Using UHPLC-MS. *RSC Adv*, **7**, 55249-55256, 2017.
27. X.-B. Zhou, M. Chen, Z. Zheng, G.-Y. Zhu, **Z.-H. Jiang**, L.-P. Bai. Synthesis and Evaluation of Novel 12-Aryl Berberine Analogues with Hypoxia-inducible Factor-1 Inhibitory Activity. *RSC Adv*, **7**, 26921-26929, 2017.
28. D. Fan, S. Zhou, Z. Zheng, G.-Y. Zhu, X.-J. Yao, M.-R. Yang, **Z.-H. Jiang**, L.-P. Bai. New Abietane and Kaurane Type Diterpenoids from the Stems of *Tripterygium regelii*. *Int J Mol Sci*, **18**, 147, 2017.
29. S. Parhira, G.-Y. Zhu, M. Chen, L.-P. Bai, **Z.-H. Jiang**. Cardenolides from *Calotropis Gigantea* as Potent Inhibitors of Hypoxia-inducible Factor-1 Transcriptional Activity. *J Ethnopharmacol*, **194**, 930-936, 2016.
30. J.-N. Mi, Y. Han, Y. Xu, J. Kou, J.-R. Wang, **Z.-H. Jiang**. New Immunosuppressive Sphingoid Base and Ceramide Analogues in Wild Cordyceps. *Sci Rep*, **6**, 38641, 2016.
31. H. Huang, T.-T. Tong, L.-F. Yau, C.-Y. Chen, J.-N. Mi, J.-R. Wang, **Z.-H. Jiang**. LC-MS Based Sphingolipidomic Study on A2780 Human Ovarian Cancer Cell Line and its Taxol-resistant Strain. *Sci Rep*, **6**, 34684, 2016.
32. Q.-T. Feng, G.-Y. Zhu, W.-N. Gao, Z. Yang, N. Zhong, J.-R. Wang, **Z.-H. Jiang**. Two New Alkaloids from the Roots of *Baphicacanthus cusia*. *Chem Pharm Bull*, **64**, 1505-1508, 2016.
33. D. Fan, G.-Y. Zhu, T. Li, **Z.-H. Jiang**, L.-P. Bai. Dimacrolide Sesquiterpene Pyridine Alkaloids from the Stems of *Tripterygium regelii*. *Molecules*, **21**, 1146, 2016.
34. D. Fan, S. Parhira, G.-Y. Zhu, **Z.-H. Jiang**, L.-P. Bai. Triterpenoids from the Stems of *Tripterygium Regelii*. *Fitoterapia*, **113**, 69-73, 2016.

35. J.-R. Wang, T.-T. Tong, L.-F. Yau, C.-Y. Chen, L.-P. Bai, J. Ma, M. Hu, L. Liu, **Z.-H. Jiang**. Characterization of Oxygenated Metabolites of Ginsenoside Rg1 in Plasma and Urine of Rat. *J Chromatogr B Analyt Technol Biomed Life Sci*, **1026**, 75-86, 2016.
36. D. Fan, G.-Y. Zhu, M. Chen, L.-M. Xie, **Z.-H. Jiang**, L. Xu, L.-P. Bai. Dihydro-beta-agarofuran Sesquiterpene Polyesters Isolated from the Stems of *Tripterygium Regelii*. *Fitoterapia*, **112**, 1-8, 2016.
37. Q. Meng, L.-F. Yau, J.-G. Lu, Z.-Z. Wu, B.-X. Zhang, J.-R. Wang, **Z.-H. Jiang**. Chemical Profiling and Cytotoxicity Assay of Bufadienolides in Toad Venom and Toad Skin. *J Ethnopharmacol*, **187**, 74-82, 2016.
38. S. Parhira, G.-Y. Zhu, T. Li, L. Liu, L.-P. Bai, **Z.-H. Jiang**. Inhibition of IKK-beta by Epidioxysterols from the Flowers of *Calotropis Gigantea* (Niu jiao gua). *Chin Med*, **11**, 9, 2016.
39. J. Mi, J.-R. Wang, **Z.-H. Jiang**, Quantitative Profiling of Sphingolipids in Wild Cordyceps and Its Mycelia by Using UHPLC-MS. *Sci Rep*, **6**, 20870, 2016.
40. C.-Y. Chen, L.-P. Bai, Z.-F. Ke, Y. Liu, J.-R. Wang, **Z.-H. Jiang**. G-Quadruplex DNA-binding Quaternary Alkaloids from *Tylophora Atrofolliculata*. *RSC Adv*, **6**, 114135-114142, 2016.
41. C.-Y. Chen, G.-Y. Zhu, J.-R. Wang, **Z.-H. Jiang**. Phenanthroindolizidine Alkaloids from *Tylophora Atrofolliculata* with Hypoxia-inducible Factor-1 (HIF-1) Inhibitory Activity. *RSC Adv*, **6**, 79958-79967, 2016.
42. J. Li, B.-X. Zhou, C.-F. Li, Q.-Y. Chen, Y.-T. Wang, Z.-T. Li, T.-T. Chen, C.-G. Yang, **Z.-H. Jiang**, Nanshan Zhong, Zifeng Yang, Rongchang Chen. Lariciresinol-4-O- β -D-glucopyranoside from the Root of *Isatis Indigotica* Inhibits Influenza A Virus-induced Pro-inflammatory Response. *J Ethnopharmacol*, **174**, 379-386, 2015.
43. W.-N. Gao, L.-F. Yau, L. Liu, X. Zeng, D.-C. Chen, M. Jiang, J. Liu, J.-R. Wang, **Z.-H. Jiang**. Microfluidic Chip-LC/MS-based Glycomic Analysis Revealed Distinct N-glycan Profile of Rat Serum. *Sci Rep*, **5**, 12844, 2015.
44. J.-R. Wang, W.-D. Guan, L.-F. Yau, W. Gao, Y.-Q. Zhan, L. Liu, Z.-F. Yang, **Z.-H. Jiang**. Glycomic Signatures on Serum IgGs for Prediction of Postvaccination Response. *Sci Rep*, **5**, 7648, 2015.
45. Z.-F. Yang, L.-H. Leung, L. Liu, **Z.-H. Jiang**, N. Zhong. Developing Influenza Treatments Using Traditional Chinese Medicine. *Science*, S9-11, 2015.
46. J.-R. Wang, L.-F. Yau, T.-T. Tong, Q.-T. Feng, L.-P. Bai, J. Ma, M. Hu, L. Liu, **Z.-H. Jiang**. Characterization of Oxygenated Metabolites of Ginsenoside Rb1 in Plasma and Urine of Rat. *J Agric Food Chem*, **63**, 2689-2700, 2015.
47. L.-H. Leung, K.-W. Wong, **Z.-H. Jiang**, T. Li, L. Liu. Integrated Network-based Medicine: The Role of Traditional Chinese Medicine in Developing a New Generation of Medicine. *Science*, S16-18, 2014.
48. L.-P. Bai, Hagihara, K. Nakatani, **Z.-H. Jiang**. Recognition of Chelerythrine to Human Telomeric DNA and RNA G-quadruplexes. *Sci Rep*, **4**, 6767, 2014.

49. J.-R. Wang, L.-F. Yau, W. Gao, Y. Liu, P.-W. Yick, L. Liu, **Z.-H. Jiang**. Quantitative Comparison and Metabolite Profiling of Saponins in Different Parts of the Root of *Panax notoginseng*. *J Agric Food Chem*, **62**, 9024-9034, 2014.
50. G.-Y. Zhu, X.-J. Yao, L.-P. Bai, L. Liu, **Z.-H. Jiang**. Limonoids from the Fruits of *Melia toosendan* and Their NF-B Modulating Activities. *Phytochemistry*, **107**, 175-181, 2014.
51. S. Parhira, Z.-F. Yang, G.-Y. Zhu, Q.-L. Chen, B.-X. Zhou, Y.-T. Wang, L. Liu, L.-P. Bai, **Z.-H. Jiang**. In Vitro Anti-influenza Virus Activities of a New Lignan Glycoside from the Latex of *Calotropis gigantea*. *PLoS ONE*, **9**, e104544, 2014.
52. L.-P. Bai, H.-M. Ho, R.-X. Wang, **Z.-H. Jiang**. Mass Spectrometric Studies on Effects of Counter Ions of TMPyP4 on Binding to Human Telomeric DNA and RNA G-Quadruplexes. *Anal Bioanal Chem*, **406**, 5455-5463, 2014.
53. J.-R. Wang, H. Zhang, L.-F. Yau, J. Mi, S. Lee, K.-C. Lee, P. Hu, L. Liu, **Z.-H. Jiang**. Improved Sphingolipidomic Approach Based on Ultra-High Performance Liquid Chromatography and Multiple Mass Spectrometries with Application to Cellular Neurotoxicity. *Anal Chem*, **86**, 5688-5696, 2014.
54. S. Parhira, G.-Y. Zhu, R.-W. Jiang, L. Liu, L.-P. Bai, **Z.-H. Jiang**. "2-Epi-uscharin from the Latex of *Calotropis gigantea* with HIF-1 Inhibitory Activity". *Sci Rep*, **4**, 4748, 2014.
55. G.-Y. Zhu, X.-J. Yao, L. Liu, L.-P. Bai, **Z.-H. Jiang**. Alistonitrine A, a Caged Monoterpene Indole Alkaloid from *Alstonia scholaris*. *Org Lett*, **16**, 1080-1083, 2014.
56. G.-Y. Zhu, G. Chen, L. Liu, L.-P. Bai, **Z.-H. Jiang**. Lactam-bearing limonoids from the twigs and leaves of *Amoora tsangii*. *J Nat Prod*, **77**, 983-989, 2014.
57. J.-R. Wang, L.-F. Yau, R. Zhang, Y. Xia, J. Ma, H.-M. Ho, P. Hu, M. Hu, L. Liu, **Z.-H. Jiang**. Transformation of Ginsenosides from *Notoginseng* by Artificial Gastric Juice Can Increase Cytotoxicity Towards Cancer Cells. *J Agric Food Chem*. **62**, 2558-2573, 2014.
58. Z.-F. Yang, L.-P. Bai, W.-B. Huang, X.-Z. Li, S.-S. Zhao, N.-S. Zhong, **Z.-H. Jiang**. Comparison of in vitro antiviral activity of tea polyphenols against influenza A and B viruses and structure-activity relationship analysis. *Fitoterapia*, **93**, 47-53, 2014.
59. Q.-B. Han, W.-L. Tang, C.-X. Dong, H.-X. Xu, **Z.-H. Jiang**. An interesting two-phase solvent system and its use in preparative isolation of aconitines from aconite roots by counter-current chromatography. *J Sep Sci*, **36**, 1304-1310, 2013.
60. L. Zhu, Q.-B. Han, H.-M. Ho, W.-L. Hsiao, **Z.-H. Jiang**. Characterization and Simultaneous Determination of Immunosuppressive Decalins in Red Yeast Rice by Ultra-high-performance Liquid Chromatography Hyphenated with Mass Spectrometry. *J Chromatogr A*, **1303**, 54-61, 2013.
61. L.-P. Bai, H.-M. Ho, D.-L. Ma, H. Yang, W.-C. Fu, **Z.-H. Jiang**. Aminoglycosylation can enhance the G-quadruplex binding activity of epigallocatechin. *PLoS ONE*, **8**, e53962, 2013.
62. J.-G. Lu, L. Zhu, K. Lo, A. Leung, H.-M. Ho, Z. Zhao, W.-F. Fong, H. Zhang, **Z.-H. Jiang**. Chemical Differentiation of Two Taste Variants of *Gynostemma pentaphyllum* by using UPLC-Q-TOF-MS and HPLC-ELSD. *J Agri Food Chem*, **61**, 90-97, 2013.

63. H. Zhang, J.-R. Wang, L. Yau, H. Ho, C. Chan, P. Hu, L. Liu*, **Z.-H. Jiang***. Cellular Lipidomic Study on the A β -induced Neurotoxicity and Neuroprotective Effect of EGCG by Using UPLC/MS Based Glycerolipid Profiling and Multivariate Analysis. *Mol BioSyst*, **8**, 3208-3215, 2012.
64. L. Zhu, L.-F. Yau, J.-G. Lu, G.-Y. Zhu, J.-R. Wang, Q.-B. Han, W. L. Hsiao, **Z.-H. Jiang**. Cytotoxic Dehydromonacolin from Red Yeast Rice. *J Agri Food Chem*, **60**, 934-939, 2012.
65. L. Zhu, J.-G. Lu, T. Li, G.-Y. Zhu, Q.-B. Han, W. L. Hsiao, L. Liu, **Z.-H. Jiang**. Immunosuppressive Decalin Derivatives from Red Yeast Rice. *J Nat Prod*, **75**, 567-571, 2012.
66. J.-R. Wang, T. Tanaka, H. Zhang, I. Kouno, **Z.-H. Jiang**. Formation and Conformation of Baicalin-Berberine and Wogonoside-Berberine Complexes. *Chem Pharm Bull*, **60**, 706-711, 2012.
67. H. He, L.-P. Bai, **Z.-H. Jiang**. Synthesis and Human Telomeric G-quadruplex DNA-Binding Activity of Glucosaminosides of Shikonin/alkannin. *Bioorg Med Chem Lett*, **22**, 1582-1586, 2012.
68. H.-H. Kwok, G.-L. Guo, J. K.-C. Lau, Y.-K. Cheng, J.-R. Wang, **Z.-H. Jiang**, M.-H. Keung, N.-K. Mak, P. Y.-K. Yue, R. N.-S. Wong. Stereoisomers Ginsenosides-20(S)-Rg3 and -20(R)-Rg3 Differentially Induce Angiogenesis through Peroxisome Proliferator-activated Receptor-gamma. *Biochem Pharmacol*, **83**, 893-902, 2012.
69. W. Yang, Y. Wong, O. T.-W. Ng, L.-P. Bai, D. W.-J. Kwong, Y. Ke, **Z.-H. Jiang**, H.-W. Li, K. K.-L. Yung, M.-S. Wong. Inhibition of Beta-Amyloid Peptide Aggregation by Multifunctional Carbazole-Based Fluorophores. *Angew Chem Int Ed*, **51**, 1804-1810, 2012.
70. Y. Liu, Z. Ke, K.-Y. Wu, S. Liu, W.-H. Chen, S. Jiang, **Z.-H. Jiang**. An Amphiphilic Conjugate Approach toward the Design and Synthesis of Betulinic Acid-Polyphenol Conjugates as Inhibitors of the HIV-1 gp41 Fusion Core Formation. *ChemMedChem*, **6**, 1654-1664, 2011.
71. B. Y.-W. Man, H.-M. Chan, C.-H. Leung, D. S.-H. Chan, L.-P. Bai, **Z.-H. Jiang**, H.-W. Li, D.-L. Ma. Group 9 Metal-based Inhibitors of β -Amyloid (1-40) Fibrillation as Potential Therapeutic Agents for Alzheimer's Disease. *Chem Sci*, **2**, 917-921, 2011.
72. D. S.-H. Chan, B. Y.-W. Man, H. Yang, M. H.-T. Kwan, L.-P. Bai, **Z.-H. Jiang**, D.-L. Ma, C.-H. Leung. Structure-based optimization of FDA-approved drug methylene blue as a c-myc G-Quadruplex DNA stabilizer. *Biochimie*, **93**, 1055-1064, 2011.

會議論文:

1. **Z.-H. Jiang**, G.-Y. Zhu. Enantiomeric Lignanamide from the Fruits of Cannabis sativa and Their Neuroprotective Activity. The 14th SINO-US Chemistry Professors Conference. 20, June, 2018.
2. 姜志宏. 南方红豆杉rRFs的抗腫瘤活性研究. 中國化學會第32屆學術年會. 5, May, 2018.
3. **Z.-H. Jiang**. RNA Fragment are Active Components of Ginseng against Myocardial Ischemia in Jury in Mice. The 5th Annual Meeting of GP-TCM Research Association-cum Summit on Compendium of Material Medica and Innovative Drug Discovery in Chinese Medicine. 9, August 2016.
4. 姜志宏. 基於多元LS-MS技術的糖組學研究及應用. 世界中醫藥學會聯合會中醫藥免疫

專業委員會成立大會暨第一屆學術年會. 2014年11月21日. 廣州.

5. **Z.-H. Jiang.** Application of Mass Spectrometry in Sphingolipidomic Research. 28th International Symposium on the Chemistry of Natural Products and 8th International Conference on Biodiversity. 19, October 2014. Shanghai.

科研項目承擔:

- 2017 - 今 桔梗“引藥上行”藥效物質基礎的作用機理及配伍應用的化學生物學研究
2014 - 2017 以免疫球蛋白糖基化為靶標的中藥有效成份活性評價及作用機理的研究
2013 - 2016 基於全成分庫的板藍根抗流感病毒藥效物質及其多靶點作用機制的研究
2012 - 2013 中藥配方顆粒的質量標準的研究
2011 - 2013 基於LC-MS和LC-NMR技術的創新脂組學分析平台的建立及其在中藥現代研究中的應用。

學術機構任職:

- | | | |
|-------------|--------------------------|-----------|
| 2014 - 2019 | ChemMedChem | 國際諮詢委員會委員 |
| | Scientific Reports | 編輯委員會委員 |
| 2012 - 2017 | 世界中醫藥聯合會中醫藥抗炎
免疫專業委員會 | 副會長 |
| | 兩岸四地中醫藥科技合作中心 | 副理事長 |
| | 澳門特區政府科技委員會 | 委員 |

科研獲獎:

- 2020 年度澳門特別行政區科學技術獎-自然科學獎三等獎
項目名稱: 藥物新靶標及中藥藥效物質的特徵性分子輪廓刻畫
- 2015 年度國家教育部高等學校科學研究優秀成果獎-自然科學獎一等獎
項目名稱: 中醫藥整體治療的網路調節機理研究
- 2014 年度澳門科學技術獎-自然科學獎二等獎
項目名稱: 中藥"三多"特徵的創新研究方法及其理論基礎
- 2012 年度國家科學技術進步獎二等獎
項目名稱: 抗關節炎中藥制劑質量控制與活性評價方法的創新及產品研發
- 2007 年度國家傑出青年科學基金獎一等獎
項目名稱: 抑制 HIV 進入的天然有機小分子化合物的研究