

Resume of Cao Li

Basic Information



School:	School of Life and Health Sciences
Gender:	Male
Date of Birth:	1986.02
Title:	Professor
Education:	Ph. D
Tutor:	Doctor degree/Master degree
Email:	licao0415@163.com
Interest of research:	Biomaterials; Drug delivery systems; Nanozyme; Nanomedicine

Academic Background

From September 2003 to July 2007, Wuhan University, Bachelor's degree in Applied Chemistry;

From September 2007 to July 2012, Wuhan University, Ph. D of Polymer Chemistry and Physics.

Enrollment Information

1. Enrollment Discipline: Pharmacy, Pharmaceutical Engineering, Light Industrial Technology and Engineering
2. Research direction: Nanomaterials for Disease Diagnosis and Treatment
3. Enrollment Year: 2024-2025

Representative Projects

1. National Natural Science Foundation of China (NSFC), General Program, 51973053, Fabrication of "Trojan horse"-type drug delivery system via "dynamic protection" strategy for deep intratumoral penetration. China. Project leader.
2. National Natural Science Foundation of China (NSFC), General Program, 51773055, Multifunctional dual pH-sensitive inorganic mesoporous nanoparticles based drug delivery systems with dynamic protection property for cancer theranostics. China. Project leader.
3. National Natural Science Foundation of China (NSFC), Young Scientists Fund, 51503060, Fabrication of complex drug delivery systems with a "tumor-triggered targeting" property for cancer diagnosis and treatment. China. Project leader.
4. National Natural Science Foundation of Hubei Province of China, Young Scientists Fund, 2015CFB522, Fabrication of CO₂-sensitive microencapsulated drug delivery systems and their applications. Hubei Province, China. Project leader.
5. China Postdoctoral Science Foundation (CPSF), General Program First Class Grant, 2019M660178, Complex delivery system with a charge-reversal property

- for cancer chemodynamic therapy. China. Project leader.
6. Wuhan Morning Light Plan of Youth Science and Technology, 2017050304010283, Fabrication of dual pH-sensitive “tumor-triggered targeting” integrated drug delivery systems for diagnosis and therapy. Wuhan, China. Project leader.
 7. Start-up Fund for High-level Talents of Hubei University of Technology, GCC2024013, Fabrication of MXene-based composite enzymatic cascade systems and their applications in combined tumor therapy. Hubei University of Technology. Project leader.

Representative Articles

1. X. Luo, W. Xiang, Y. Lu, E. Wang, J. You*, **C. Li***, Z. Xu*, *Chem. Eng. J.*, **2024**, 488, 151169.
2. Q. Qiao, J. Wang, K. Long, L. Li, J. Chen, Y. Guo, Z. Xu*, Y. Kuang*, T. Ji*, **C. Li***, *Nano Today*, **2024**, 54, 102059.
3. Y. Kuang, S. Zhao, P. Liu, M. Liu, K. Wu, Y. Liu, P. Deng, **C. Li***, F. Jiang*, *Food Hydrocolloid.*, **2023**, 141, 108733.
4. Q. Yang, J. Liu, W. Cai, X. Liang, Z. Zhuang*, T. Liao, F. Zhang, W. Hu, P. Liu, S. Fan, W. Yu, B. Jiang, **C. Li***, D. Wang*, Z. Xu*, *Nano Lett.*, **2023**, 23, 8585-8592.
5. Z. Chen, T. Liao, L. Wan, Y. Kuang, C. Liu, J. Duan, X. Xu, Z. Xu*, B. Jiang, **C. Li***, *Nano Res.*, **2021**, 14, 4264-4273.
6. Z. Xing, L. Li, T. Liao, J. Wang, Y. Guo, Z. Xu, W. Yu*, Y. Kuang*, **C. Li***, *J. Colloid Interf. Sci.*, **2024**, 666, 244-258.
7. J. Duan, T. Liao, X. Xu, Y. Liu, Y. Kuang*, **C. Li***, *J. Colloid Interf. Sci.*, **2023**, 634, 836-851.
8. L. Wan, Z. Chen, Y. Deng, T. Liao, Y. Kuang, J. Liu, J. Duan, Z. Xu, B. Jiang*, **C. Li***, *J. Colloid Interf. Sci.*, **2020**, 573, 263-277.
9. T. Liao, Z. Chen, Y. Kuang*, Z. Ren, W. Yu, W. Rao, L. Li, Y. Liu, Z. Xu, B. Jiang*, **C. Li***, *Acta Biomater.*, **2023**, 159, 312-323.
10. X. Xu, J. Duan, Y. Liu*, Y. Kuang, J. Duan, T. Liao, Z. Xu, B. Jiang, **C. Li***, *Acta Biomater.*, **2021**, 126, 445-462.
11. H. Li, Q. Zhang, X. Luo, Z. Yao, Y. Qu, E. Wang, B. Jiang, Z. Qiu*, **C. Li***, Z. Xu*, *Sensor. Actuat. B-Chem.*, **2022**, 372, 132590.
12. J. Su, T. Liao, Z. Ren, Y. Kuang, W. Yu, Q. Qiao, B. Jiang, X. Chen*, Z. Xu*, **C. Li***, *Int. J. Biol. Macromol.*, **2023**, 238, 124088.
13. Y. Kuang, J. Zhai, Q. Xiao, S. Zhao, **C. Li***, *Int. J. Biol. Macromol.*, **2021**, 193, 457-473.
14. T. Liao, C. Liu, J. Ren, H. Chen, Y. Kuang, B. Jiang, J. Chen, Z. Sun*, **C. Li***, *Int. J. Biol. Macromol.*, **2021**, 183, 2017-2029.
15. J. Lu, B. Luo, Z. Chen, Y. Yuan, Y. Kuang, L. Wan, L. Yao, X. Chen, B. Jiang, J. Liu*, **C. Li***, *Int. J. Biol. Macromol.*, **2020**, 146, 363-373.
16. H. Chen, D.W. Zheng, J. Liu, Y. Kuang, Q. Li, M. Zhang, H. Ye, H. Qin, Y. Xu, **C. Li***, B. Jiang*, *Int. J. Biol. Macromol.*, **2016**, 85, 596-603.
17. M. Zhang, J. Liu, Y. Kuang, Q. Li, D.W. Zheng, Q. Song, H. Chen, X. Chen, Y. Xu,

- C. Li*, B. Jiang*, *Int. J. Biol. Macromol.*, **2017**, *98*, 691-700.
18. L. Chen, X. Li, M. Xiong, Y. Zhao*, S. Liu, C. Li*, K. Wang*, *Mater. Design*, **2023**, *225*, 111532.
 19. Q. Qiao, J. Wang, B. Li, Y. Guo, T. Liao, Z. Xu*, Y. Kuang*, C. Li*, *Appl. Mater. Today*, **2024**, *38*, 102215.
 20. L. Li, Z. Xing, T. Liao, J. Wang, Z. Xu*, Y. Kuang*, C. Li*, *Mater. Today Chem.*, **2024**, *39*, 102171.
 21. J. Wang, Q. Qiao, Y. Feng, Y. Guo, T. Liao, L. Li, Y. Kuang, B. Jiang*, Z. Xu*, C. Li*, *Mater. Today Chem.*, **2024**, *38*, 102048.
 22. Z. Xu, X. Chen, Z. Sun, C. Li*, B. Jiang*, *Mater. Today Chem.*, **2019**, *12*, 240-260.
 23. M. Zhang, J. Liu, Y. Kuang, Q. Li, H. Chen, H. Ye, L. Guo, Y. Xu, X. Chen, C. Li*, B. Jiang*, *J. Mater. Chem. B*, **2016**, *4*, 3387-3397.
 24. Y. Kuang*, Y. Yang, X. Wang, M. Liu, T. Wang, Z. Zhang, K. Wu, K. Chen, P. Deng, X. Zhao, F. Jiang*, C. Li*, *Ind. Crop. Prod.*, **2024**, *211*, 118305.
 25. Z. Chen, L. Wan, Y. Yuan, Y. Kuang, X. Xu, T. Liao, J. Liu, Z.Q. Xu, B. Jiang*, C. Li*, *ACS Biomater. Sci. Eng.*, **2020**, *6*, 3375-3387.
 26. Y. Kuang, H. Chen, Z. Chen, L. Wan, J. Liu, Z. Xu, X. Chen, B. Jiang*, C. Li*, *Colloid. Surf. B*, **2019**, *181*, 461-469.
 27. H. Chen, Z. Chen, Y. Kuang, S. Li, M. Zhang, J. Liu, Z. Sun, B. Jiang, X. Chen*, C. Li*, *Colloid. Surf. B*, **2018**, *167*, 407-414.
 28. T. Liao, C. Liu, X. Wu, J. Liu, W. Yu, Z. Xu, Y. Kuang*, C. Li*, *ACS Appl. Nano Mater.*, **2024**, *7*, 9518-9531.
 29. H. He, Q. Yang, H. Li, S. Meng, Z. Xu*, X. Chen, Z. Sun, B. Jiang, C. Li*, *Microchim. Acta*, **2021**, *188*, 141.
 30. H. He, S. Meng, H. Li, Q. Yang, Z. Xu*, X. Chen, Z. Sun, B. Jiang, C. Li*, *Microchim. Acta*, **2021**, *188*, 154.
 31. Y. Pan, R. Li, P. Li, Y. Wang, Y. Zhu, Z. Xu, X. Chen, Z. Sun, C. Li*, B. Jiang*, *Micropor. Mesopor. Mat.*, **2021**, *317*, 110955.
 32. X. Xu, J. Duan, Q. Lan, Y. Kuang, T. Liao, Y. Liu, Z. Xu, J. Chen, B. Jiang*, C. Li*, *J. Drug Deliv. Sci. Tec.*, **2021**, *66*, 102817.
 33. Y. Kuang, P. Liu, Y. Yang, X. Wang, M. Liu, W. Wang, T. Guo, M. Xiao, K. Chen, F. Jiang*, C. Li*, *Molecules*, **2023**, *28*, 1691.
 34. Y. Pan, Q. Song, Y. Zhu, Y. Wang, Z. Sun, X. Chen, Z. Xu, C. Li*, B. Jiang*, *Macromol. Mater. Eng.*, **2021**, *306*, 2000643.
 35. F. Jia, X. Li, K. Wang*, X. Dong, T. Liao, C. Li*, G. Chen, J. Jiang*, *J. Photoch. Photobio. B*, **2023**, *239*, 112646.
 36. H. Chen, Y. Kuang, R. Liu, Z. Chen, B. Jiang, Z. Sun, X. Chen*, C. Li*, *J. Mater. Sci.*, **2018**, *53*, 10653-10665.
 37. Y. Kuang, Q. Xiao, Y. Yang, M. Liu, X. Wang, P. Deng, K. Wu, Y. Liu, B. Peng, F. Jiang*, C. Li*, *Materials*, **2023**, *16*, 3164.
 38. Z. Ren, T. Liao, C. Li*, Y. Kuang*, *Materials*, **2022**, *15*, 5290.
 39. Y. Pan, Z. Xu, W. Tan, Y. Zhu, Y. Wang, P. Li, X. Chen, Z. Sun, C. Li*, B. Jiang*, *New J. Chem.*, **2020**, *44*, 21125-21133.

40. N. Liu[#], C. Li[#], T. Zhang, R. Hou, Z. Xiong, Z. Li, B. Wei, Z. Yang, P. Gao, X. Lou, X. Zhang, W. Guo, F. Xia, *Small*, **2017**, *13*, 1600287.
41. C. Li, K. Wang, Y.H. Gong, Z.Y. Li, J. Zhang, G.F. Luo, R.X. Zhuo, X.Z. Zhang, *J. Mater. Chem.*, **2012**, *22*, 2045-2050.
42. C. Li, Z.Y. Li, J. Zhang, K. Wang, Y.H. Gong, G.F. Luo, R.X. Zhuo, X.Z. Zhang, *J. Mater. Chem.*, **2012**, *22*, 4623-4626.
43. C. Li, G.F. Luo, H.Y. Wang, J. Zhang, Y.H. Gong, S.X. Cheng, R.X. Zhuo, X.Z. Zhang, *J. Phys. Chem. C*, **2011**, *115*, 17651-17659.
44. C. Li, J. Zhang, S. Yang, B.L. Li, Y.Y. Li, X.Z. Zhang, R.X. Zhuo, *Phys. Chem. Chem. Phys.*, **2009**, *11*, 8835-8840.