



Department: School of Chemistry & Molecular Engineering

Professional field: Applied Chemistry

E-mail: baochunyan@ecust.edu.cn

### Profile

Dr. Chunyan Bao received his bachelor's degree in 2001 and Doctor's degree (Supervisor: Prof. Yingying Zhao, Guofa Liu) in 2006 from Jilin University. She then spent two year as a post-doctoral fellow in the group of Prof. Ivan Huc at the Institute of European Chemistry and Biology, University of Bordeaux I, France. In 2008, she started her independent career at the School of Chemistry and Molecular Engineering at East China University of Science & Technology, China, where she is now a full professor.

### Research Field

She focuses on intelligent biomedical materials, including 1) the regulation of biological signal molecules and cell behaviors on/in light-responsive biomaterials and the exploration of applications in tissue engineering and regenerative medicine; 2) the light-regulated drug release and its application in biomedical areas; 3) the design of artificial ion transporters for ion transmembrane transport. So far, she has published more than 80 papers in Science, Adv. Mater., J. Am. Chem. Soc., Angew. Chem. Int. Ed., Adv. Funct. Mater., and so on, which have been cited by others for more than 2300 times and H factor is 28. She has applied for 12 international and national patents.

### Research results and selected published papers

1. Z. Cai, K. Huang, C. Bao,\* X. Wang, X. Sun, H. Xia, Q. Lin, Y. Yang, L. Zhu,\* Chem. Mater. 2019, 31 (13), 4710.
2. S. Chen, Y. Wang, T. Nie, C. Bao,\* C. Wang, T. Xu, Q. Lin, D.-H. Qu,\* X. Gong, Y. Yang, L. Zhu\* and H. Tian, J. Am. Chem. Soc., 2018, 140, 17992.
3. Z. Ming, J. Fan, C. Bao,\* Y. Xue, Q. Lin, L. Zhu,\* Adv. Funct. Mater. 2018, 28, 1706918.
4. Z. Ming, X. Ruan, C. Bao,\* Q. Lin, Y. Yang, L. Zhu,\* Adv. Funct. Mater. 2017, 27, 1606258.
5. C. Bao, L. Zhu,\* Q. Lin, H. Tian, Adv. Mater. 2015, 27, 1647.
6. Q. Gan, Y. Ferrand, C. Bao, B. Kauffmann, A. Grelard, H. Jiang,\* I. Huc,\* Science 2011, 331, 1172.
7. Q. Lin, Q. Huang, C. Li, C. Bao,\* Z. Liu, F. Li, L. Zhu,\* J. Am. Chem. Soc. 2010, 132, 10645.
8. C. Bao, B. Kauffmann, Q. Gan, K. Srinivas, H. Jiang, I. Huc,\* Angew. Chem. Int. Edit. 2008, 47, 4153.