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Sifan Ji

Position: PhD candidate
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Education

03/2021-present **PhD, Doctoral School of Chemical Science, University of Bordeaux**

09/2016-06/2019 **Master, College of Polymer Science and Engineering Qingdao University of Science and Technology (QUST)**

09/2012-06/2016 **Bachelor, College of of Polymer Science and Engineering Qingdao University of Science and Technology (QUST)**

Research Experience

Key Research Area: Ring-opening Polymerization (ROP), N-carboxyanhydride (NCA), Amino acids, Photo-active and Biomimetic Polypeptides

03/2021-present **PhD, LCPO (UMR 5629)-ENSCBP-CNRS-University of Bordeaux**
Topic: Photo-active polypetides for nanomaterials
Supervisors: Prof. Sébastien Lecommandoux & Colin Bonduelle

09/2016-12/2020 **Master & Research assistant, Qingdao University of Science and Technology**
Topic: Synthesis and Measurements of Photo-responsive polypeptides
Supervisors: Prof. Zhibo Li & Prof. Jing Sun

09/2012-06/2016 **Internship, Qingdao University of Science and Technology**
Thesis: *Synthesis of Thermal-resposive Polypeptides Bearing Oligo(ethylene glycol)*

Publications

- Sifan Ji, Lili Xu, Xiaohui Fu, Jing Sun*, and Zhibo Li*. Light- and Metal Ion-Induced Self-Assembly and Reassembly Based on Block Copolymers Containing a Photoresponsive Polypeptide Segment. ***Macromolecules*** 2019, 52, 12, 4686–4693.

- Weihua Duan, Sifan Ji, Yu Guan, Xueluer Mu, Sha Fang, Yingxi Lu, Xianfeng Zhou*, Jing Sun, and Zhibo Li*. Esterase-Responsive Polypeptide Vesicles as Fast-Response and Sustained-Release Nanocompartments for Fibroblast-Exempt Drug Delivery. ***Biomacromolecules*** 2020, 21, 12, 5093–5103.

- Jirui Wei, Jing Sun*, Xu Yang, Sifan Ji, Yuhan Weia and Zhibo Li*. Self-crosslinking assemblies with tunable nanostructures from photoresponsive polypeptoid-based block copolymers. ***Polymer Chemistry*** 2020, 11, 337-343.

- Fandong Meng, Yunxia Ni, Sifan Ji, Xiaohui Fu, Yuhan Wei, Jing Sun* and Zhibo Li*. Dual thermal- and pH-responsive polypeptide-based hydrogels. ***Chinese Journal of Polymer Science*** 2017, 35, 1243–1252.