

Dongxu Zhou

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Université de Bordeaux, France

dzhou@bordeaux-inp.fr

Date of birth: 27 August 1995

Nationality: Chinese

EDUCATION

BACHELOR | 2014.9-2018.6 | SICHUAN UNIVERSITY

College: Polymer science and engineering

Group: Prof. Changsheng Zhao's group

Research: Anti-coagulant polysaccharide-based materials

MASTER | 2018.9-2021.6 | SICHUAN UNIVERSITY

College: Polymer science and engineering

Major: Biomedical engineering

Group: Prof. Changsheng Zhao's group

Supervisor: Prof. Xiaoling Liu

Research: Stimuli-responsive self-assembled polymersomes as drug carriers

PhD | 2021.10-2025.10 | Université de Bordeaux, LCPO

Supervisors: Sébastien Lecommandoux, Elisabeth Garanger

Research: Elastin-like polypeptides and their self-assembly

SKILLS&ABILITIES

CHEMISTRY&MATERIALS

Proficient in literature reading, experimental data processing and other normal laboratory techniques

Master the RAFT polymerization and know about ATRP polymerization

Able to conduct the self-assembly of block copolymer

COMPUTER

Software: Office, Origin, Chemdraw, 3ds Max, Photoshop, GraphPad, EndNote and spectrum analysis software (MestreNova, Omnic, ect)

Online literature searching

PUBLICATIONS

Zhou D, Li S , Fei Z , et al. Glucose and pH Dual-Responsive Polymersomes with Multilevel Self-Regulation of Blood Glucose for Insulin Delivery[J]. *Biomacromolecules* 2021, 22, 9, 3971–3979

Zhou D , Fei Z , Jin L , et al. Dual-responsive polymersomes as anticancer drug carriers for co-delivery of doxorubicin and paclitaxel[J]. *Journal of Materials Chemistry B*, 2021,9, 801-808.

Huang X , **Zhou D** , Wang Y , et al. A green approach towards functional hydrogel particles from synthetic polymers via spherical capsule mini-reactors[J]. *Chemical Engineering Journal*, 2018.

Jiang X , **Zhou D** , Huang X , et al. Hexanediamine functionalized poly (glycidyl methacrylate-co-N-vinylpyrrolidone) particles for bilirubin removal[J]. *Journal of Colloid & Interface Science*, 2017, 504:214.