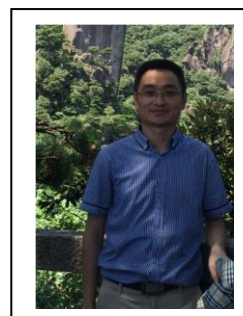


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主要研究方向：

(1) 自组装高分子的可控合成； (2) 高性能均孔膜及膜分离过程；(3) 基于分离膜的能量收集技术

个人简介：

本人 2014 年博士后出站进入膜水中心工作。目前主要从事新型超滤膜材料的设计及制备等方面的基础研究工作。博士后期间主持中国博士后基金及浙江省优先资助项目各 1 项。在研项目包括国家自然科学基金 1 项、浙江省自然科学基金 1 项，作为主要研究人员先后参与了 1 项“973 计划”课题和多项国家自然科学基金项目。近年来，关于膜材料制备以及智能性设计等方面的工作已发表论文 20 余篇（第一作者论文 12 篇），被引用次数约 600 次，获得授权国家发明专利 4 项。

欢迎有相关专业背景及对科研有积极兴趣的同学加盟我的研究方向！

主要学术成果：

1. Zhuan Yi, Pei-Bin Zhang, Cui-Jing Liu, and Li-Ping Zhu, Symmetrical Permeable Membranes Consisting of Overlapped Block Copolymer Cylindrical Micelles for Nanoparticle Size Fractionation, *Macromolecules* 2016, 49, 3343-3351.

2. Zhuan Yi, Cui-Jing Liu, Li-Ping Zhu, and You-Yi Xu, Ion Exchange and Antibiofouling Properties of Poly(ether sulfone) Membranes Prepared by the Surface Immobilization of Brønsted Acidic Ionic Liquids via Double-Click Reactions, *Langmuir* 2015, 31, 7970-7979.

3. Zhuan Yi, Li-Ping Zhu, Yi-Fan Zhao, Zheng-Bao Wang, Bao-Ku Zhu, You-Yi Xu, Effects

of coagulant pH and ion strength on the dehydration and self-assembly of poly(N, N-dimethylamino-2-ethyl methacrylate) chains in the preparation of stimuli-responsive polyethersulfone blend membranes, *Journal of Membrane Science*, 2014, 463: 49-57.

4、Zhuan Yi, Li-Ping Zhu, Hong Zhang, Bao-Ku Zhu, You-Yi Xu, Ionic liquids as co-solvents for zwitterionic copolymers and the preparation of poly(vinylidene fluoride) blend membranes with dominated β -phase crystals, *Polymer*, 2014, 55 (2014): 2688-2696.

5、Zhuan Yi, Li-ping Zhu, Liang Cheng, Bao-ku Zhu, You-yi Xu, A readily modified polyethersulfone with amino-substituted groups: Its amphiphilic copolymer synthesis and membrane application, *Polymer*, 2011, 53 (2012): 350-358.

6、Zhuan Yi, Li-Ping Zhu, Yi-Fan Zhao, Bao-Ku Zhu, You-Yi Xu, An extending of candidate for the hydrophilic modification of polysulfone membranes from the compatibility consideration: The polyethersulfone-based amphiphilic copolymer as an example, *Journal of Membrane Science*, 2011, 390 - 391 (2012): 48-57.

7、Zhuan Yi, Li-Ping Zhu, You-Yi Xu, Xiao-Na Gong, Bao-Ku Zhu, Surface zwitterionization of poly(vinylidene fluoride) porous membranes by post-reaction of the amphiphilic precursor, *Journal of Membrane Science*, 2011, 385 - 386 (2011): 57-66.

8、Zhuan Yi, Li-ping Zhu, You-yi Xu, Jin-hong Jiang, Bao-ku Zhu, Polypropylene Glycol: The Hydrophilic Phenomena in the Modification of Polyethersulfone Membranes, *Ind. Eng. Chem. Res.*, 2011, 50 (2011): 11297-11305.

9、Zhuan Yi, Li-Ping Zhu, You-Yi Xu, Yi-Fan Zhao, Xiao-Ting Ma, Bao-Ku Zhu, Polysulfone-based amphiphilic polymer for hydrophilicity and fouling-resistant modification of polyethersulfone membranes, *Journal of Membrane Science*, 2010, 365 (2010): 25-33.

10、Zhuan Yi, Li-Ping Zhu, You-Yi Xu, Xiao-Lin Li, Jing-Zhen Yu, Bao-Ku Zhu, F127-based multi-block copolymer additives with poly(N, N-dimethylamino-2-ethyl methacrylate) end chains: The hydrophilicity and stimuli-responsive behavior investigation in polyethersulfone membranes modification, *Journal of Membrane Science*, 2010, 364 (2010): 34-42.

