

Unveiling the Impacts of Sodium Hypochlorite on the Characteristics and Fouling Behaviors of Different Commercial Polyvinylidene Fluoride Hollow Fiber Membranes

Muqiao Han ^{1,2}, Qi Han ³, Shanwei Wu ³, Hu Xiao ³, Lei Zhang ³, Yibo Lin ^{1,2}, Fangang Meng ^{1,2} and Shanshan Zhao ^{1,2,*}

¹ School of Environmental Science and Engineering, Sun Yat-sen University, Guangzhou 510006, China

² Guangdong Provincial Key Laboratory of Environmental Pollution Control and Remediation Technology, Guangzhou 510006, China

³ Guangzhou Jinrongtao Environmental Protection Technology Co., Ltd., Guangzhou, 511400, China

* Correspondence: zhaoshsh7@mail.sysu.edu.cn

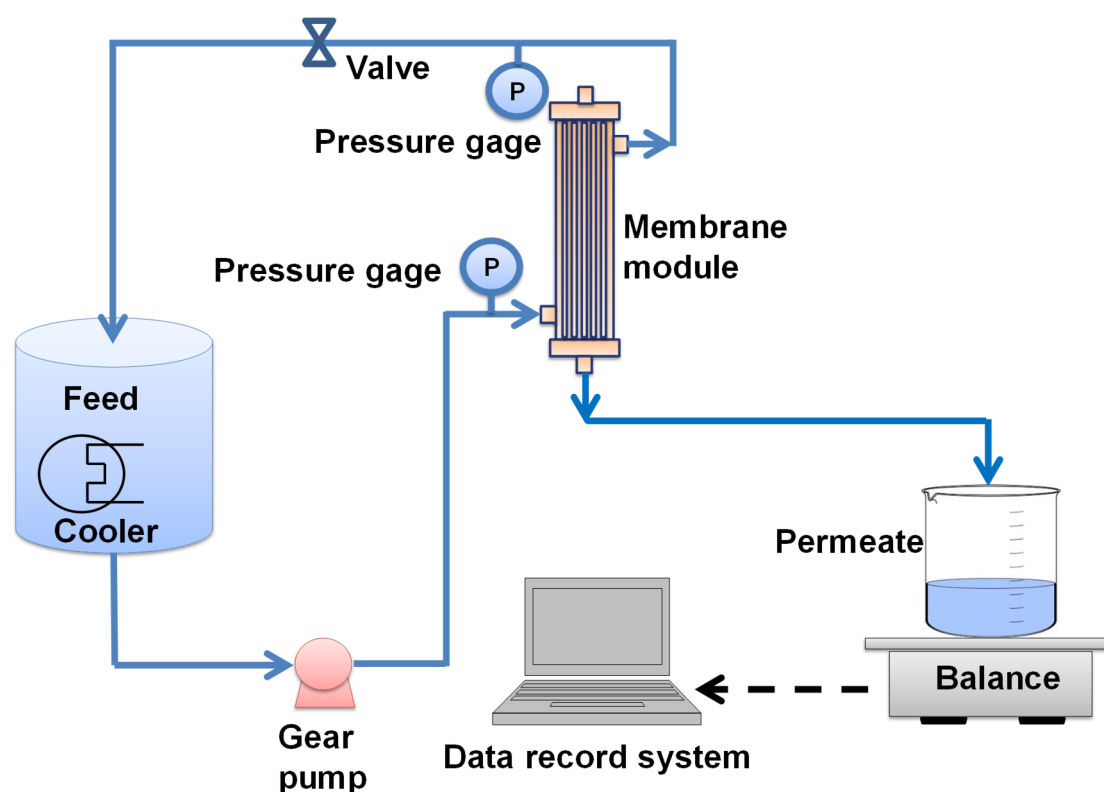


Figure S1. Schematic illustration of the bench-scale cross-flow filtration system.

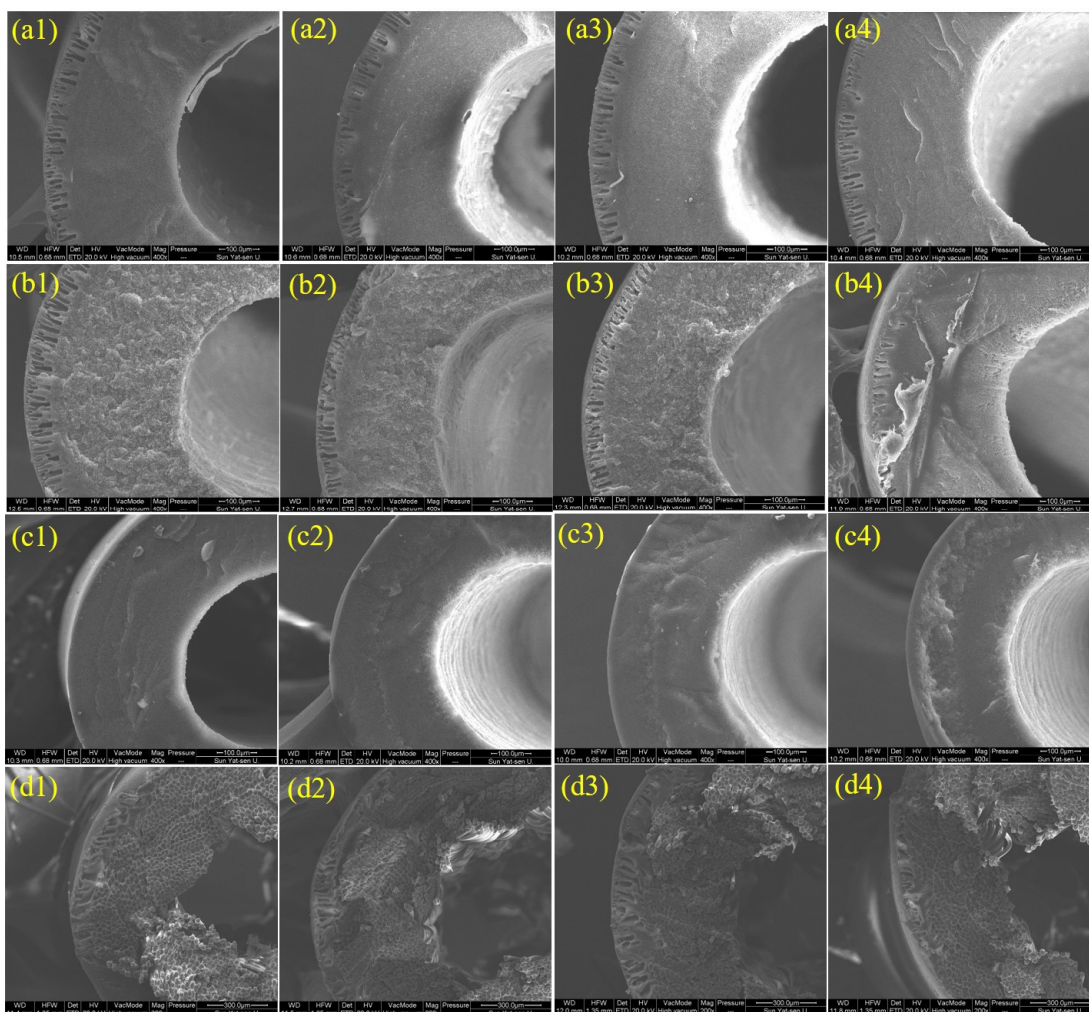


Figure S2. FESEM images of the cross-section morphologies of pristine and NaOCl-exposed membranes. (a) A membrane, NaOCl pH=10; (b) B membrane, NaOCl pH=10; (c) C membrane, NaOCl pH=10; and (d) A membrane, NaOCl pH=8; 1, 2, 3, and 4 represent exposure time 0, 48, 192, and 500 h, respectively.