1 Support Information

2

4	
3	Binding TiO ₂ nanoparticles to forward osmosis membranes via MEMO-
4	PMMA-Br monomer chains for enhanced filtration and antifouling
5	performance
6	
7	
8	Wenchao Xue ^{a b **} , Kaung Ko Ko Sint ^a , Piyasan Praserthdam ^c , Kazuo Yamamoto ^{b d} , Chavalit Ratanatamskul ^{a *}
9	
	^a Department of Environmental Engineering, Faculty of Engineering, Chulalongkorn University, 254
	Phayathai Road, Patumwan, Bangkok 10330, Thailand.
10	^b Department of Energy, Environment, and Climate Change, School of Environment, Resources, and
11	Development, Asian Institute of Technology, Pathumthani 12120, Thailand.
12	^c Department of Chemical Engineering, Faculty of Engineering, Chulalongkorn University, 254 Phayathai
13	Road, Patumwan, Bangkok 10330, Thailand.
14	^d Environmental Science Center, The University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033,
15	Japan.
16	
	*Corresponding author. Tel: +66(0)2-2186678; Fax: +66(0)2-2186678.
	E-mail: dr_chawalit@yahoo.com
17	** Co-corresponding author. Tel: +66(0)2-5245626; Fax: +66(0)2-5245625.
18	E-mail: wenchao@ait.ac.th
19	

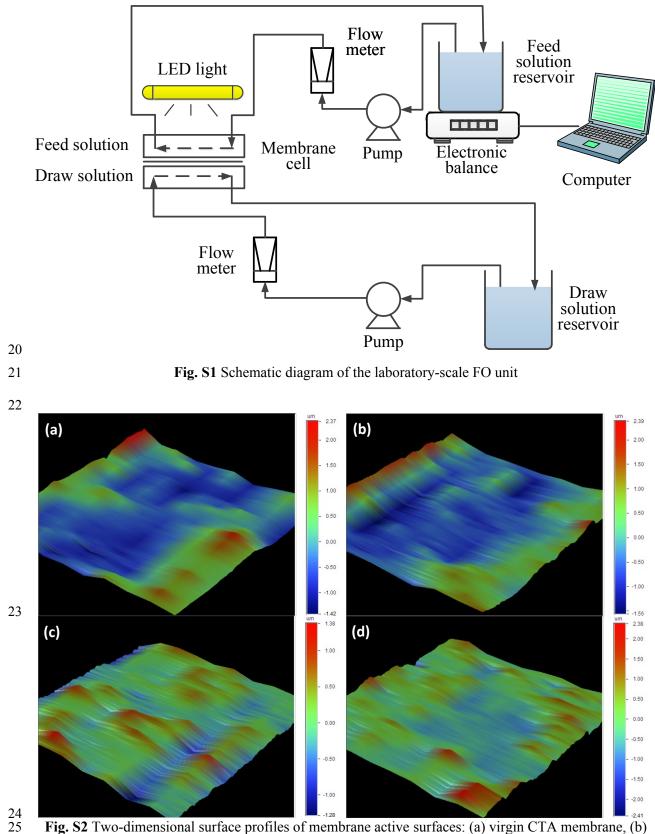


Fig. S2 Two-dimensional surface profiles of membrane active surfaces: (a) virgin CTA membrane, (b)

modified CTA membrane, (c) virgin AqP membrane, and (d) modified AqP membrane.