Supporting Information

Zinc-coordinated Polydopamine Surface with Nanostructure and Superhydrophilicity for Antibiofouling and Antibacteria

Po Wang,^a Yi-Lin Zhang,^a Kai-Lai Fu,^a Zhuang Liu,^{a,c,*} Ling Zhang,^b Chen Liu,^b Yi Deng,^{a,c,} Rui Xie,^{a,c,} Xiao-Jie Ju,^{a,c,} Wei Wang,^{a,c,} and Liang-Yin Chu^{a,c,}

^aSchool of Chemical Engineering, Sichuan University, Chengdu, Sichuan 610065, P. R. China ^bKidney Research Institute, Division of Nephrology, West China Hospital of Sichuan University, Chengdu, Sichuan 610065, China ^cState Key Laboratory of Polymer Materials Engineering, Sichuan University, Chengdu, Sichuan 610065, P. R. China

*E-mail: liuz@scu.edu.cn (Z.L.)

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Figure S1. Water contact angle of PU and PU-PDA films



Figure S2. SEM images of PU and PU-PDA films



Figure S3. High-resolution XPS spectra of N1s of PU and PU-PDA films



Figure S4. FT-IR Spectrum of PU-PDA and PU-PDA/Zn films



Figure S5. Several possible structures of Zn^{2+} bonding with polydopamine via Zn-N and Zn-O

bonds.



Figure S6. SEM images of PU-PDA/Zn-0.08 to show the stability. The rinsing experiments are taken place by fixing the PU-PDA/Zn-0.08 film in a tube with diameter of 8mm.



Figure S7. SEM images of the platelets adhered on PU (a), PU-PDA (b), PU-PDA/Zn-0.08



Figure S8. SEM images to show the antibacterial attachment on PU and PU-PDA/Zn-0.08