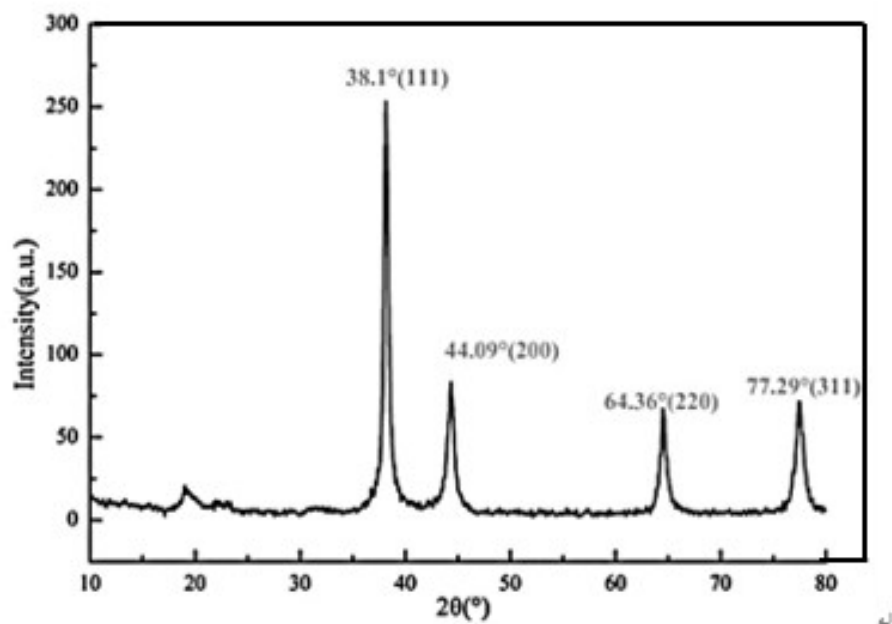


## **Supporting Information**

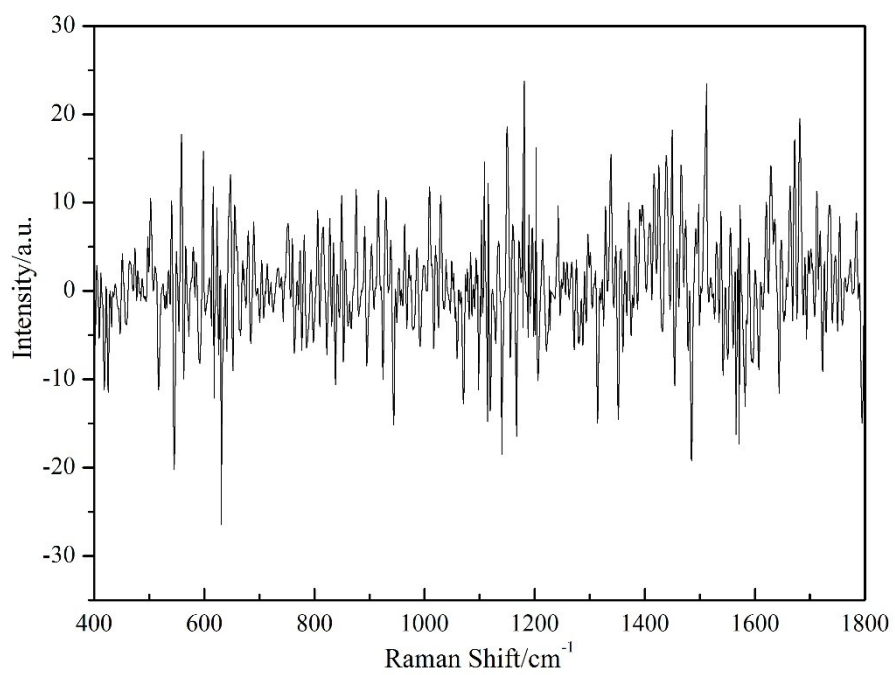
### **Large-Scale Preparation of Flexible and Reusable Surface-Enhanced Raman Scattering Platform based on Electrospinning AgNPs/PCL Nanofiber Membrane**

Jihua Shi<sup>a</sup>, Tingting You<sup>a,\*</sup>, Yukun Gao<sup>a</sup>, Xiu Liang<sup>a</sup>, Chenling Li<sup>a</sup> and Penggang Yin<sup>a,\*</sup>

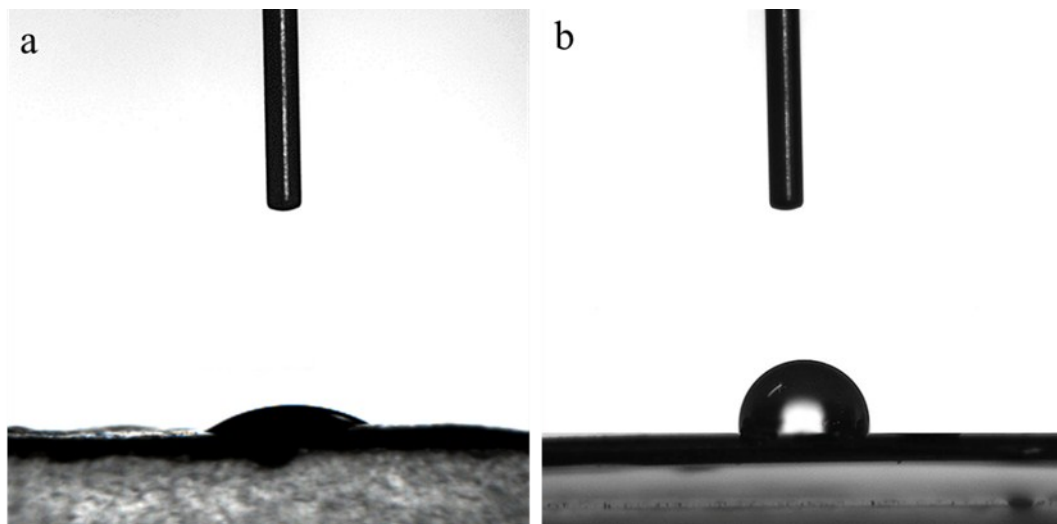
Key Laboratory of Bio-inspired Smart Interfacial Science and Technology of Ministry of Education, School of Chemistry, Beihang University, Beijing, China. E-mail: pgyin@buaa.edu.cn



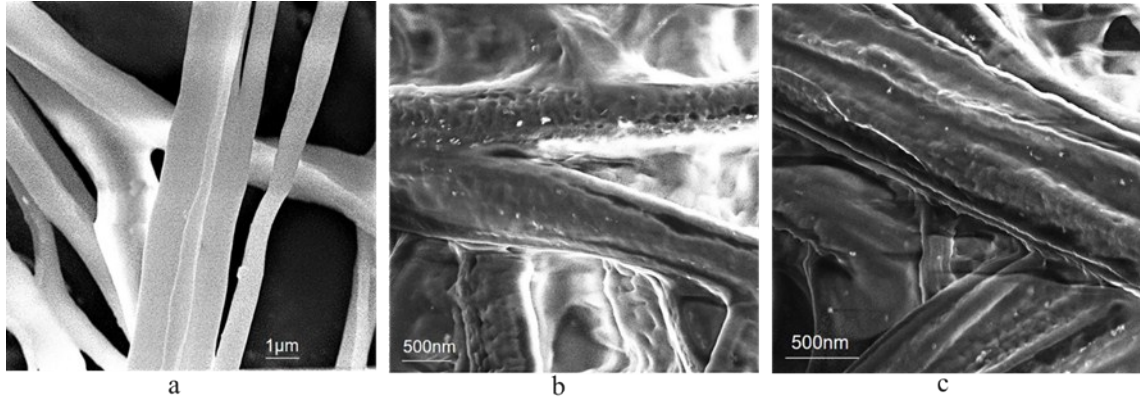
**Figure S1.** XRD spectrum of as-prepared AgNPs



**Figure S2.** The Raman spectrum of AgNPs/PCL nanofiber membrane



**Figure S3.** The contact angle of the AgNPs/PCL nanofiber membrane before (a) and after (b) etching.



**Figure S4.** SEM images of the AgNPs/PCL nanofiber membrane before etching (a), after one etching (b) and double etching (c).