**Supplementary Information**

Flexible broadband WS2/Si optical position-sensitive detector with high sensitivity and fast speed

Yunjie Liu1)，Yupeng Wu2), Fuhai Guo2), Yingming Liu2), Shirong Zhao2), Siqi Li2), Weizhuo Yu2), and Lanzhong Hao1,2), 🖂

1) College of Science, China University of Petroleum, Qingdao 266580, China

2) School of Materials Science and Engineering, China University of Petroleum, Qingdao 266580, China

🖂 **Corresponding author**: Lanzhong Hao E-mail: haolanzhong@upc.edu.cn



**Fig. S1.** **AFM surface morphology image of the etched Si.**



**Fig. S2.** **Absorption spectra of the Si substrate and the WS2/Si heterojunction.**