

Supporting Information

2D Au Nanosphere Arrays/PVA-PBA-Modified-Hydrogel Composite Film for Glucose Detection with Strong Diffraction Intensity and Linear Response

Wenjuan Li, Junhuai Xiang, Dandan Men * and Honghua Zhang *

Jiangxi Key Laboratory of Surface Engineering, Jiangxi Science and Technology Normal University, Nanchang 330013, China; LWenjuan27@126.com (W.L.); xiangjunhuai@163.com (J.X.)

* Correspondence: mendandan1999@126.com (D.M.); zhanghonghua@impcas.ac.cn (H.Z.)

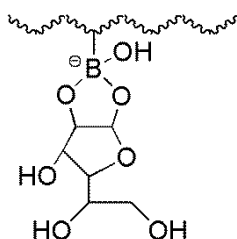


Figure S1. Chemical structure of 1:1 Phenylboronic acid (PBA)-glucose complex.

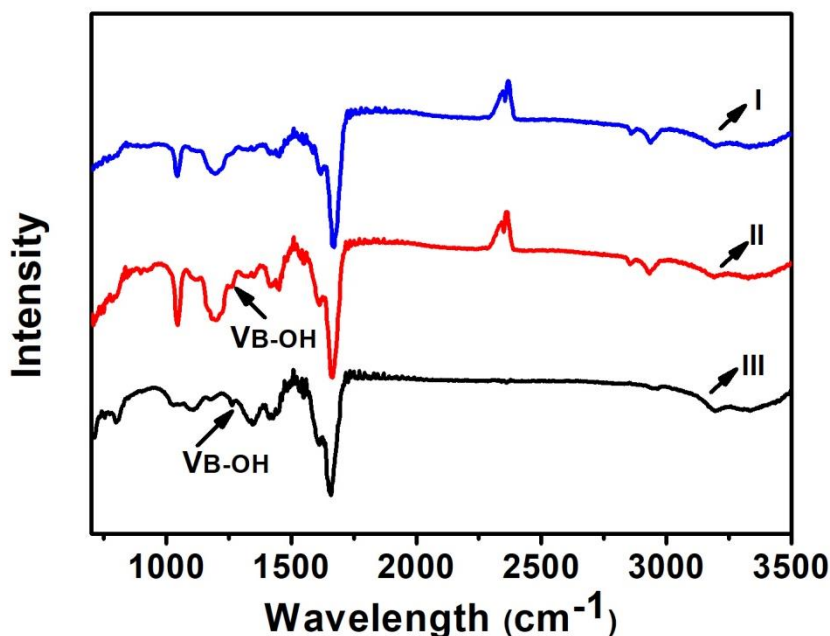


Figure S2. FTIR spectra of the dried PBA-modified hydrogel composite film after immersing in high (I) and low ionic strength buffer solution (II) with a glucose concentration of 5 mM, and dried PBA-modified hydrogel composite film without binding with glucose (III).