

Supplementary Materials

Facilely Flexible Imprinted Hemispherical Cavity Array for Effective Plasmonic Coupling as SERS Substrate

Jihua Xu¹, Jinmeng Li¹, Guangxu Guo¹, Xiaofei Zhao¹, Zhen Li¹, Shicai Xu², Chonghui Li², Baoyuan Man¹, Jing Yu^{1,*} and Chao Zhang^{1,*}

¹ Collaborative Innovation Center of Light Manipulations and Applications, Institute of Materials and Clean Energy, School of Physics and Electronics, Shandong Normal University, Jinan 250358, China; xujihua23@163.com (J.X.); jinmeng345@163.com (J.L.); czsdnu@hotmail.com (G.G.); zxfsdn@126.com (X.Z.); lizhen19910528@163.com (Z.L.); manyuanman_sdnu@163.com (B.M.)

² Shandong Key Laboratory of Biophysics, Institute of Biophysics, Dezhou University, Dezhou 253023, China; shicaixu@dzu.edu.cn (S.X.); chonghui@163.com (C.L.)

* Correspondence: yujing1608@126.com (J.Y.); czsdnu@126.com (C.Z.)

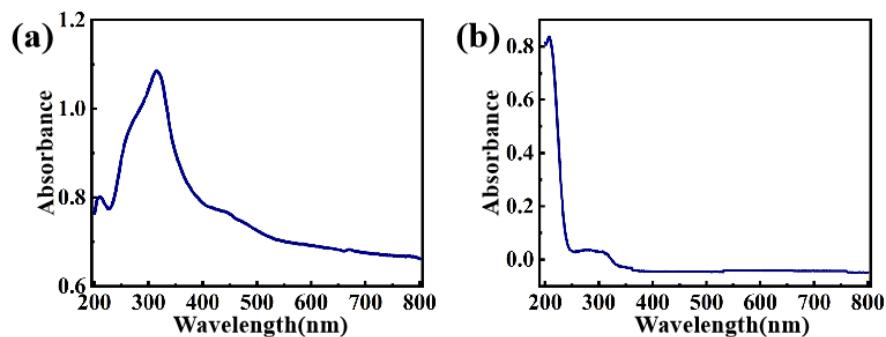


Figure S1. UV–vis spectra of Ag NPs/PVA nanocavity (a) and PVA film (b) in a wavelength range between 200 nm and 800 nm.

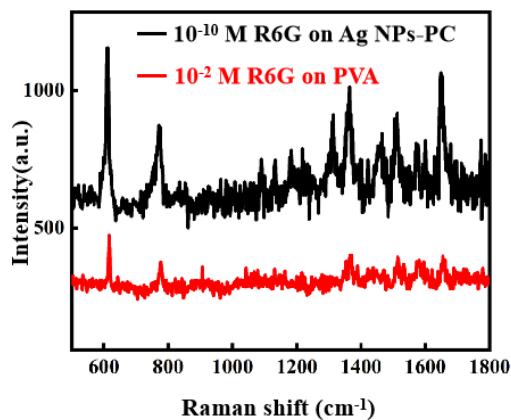


Figure S2. The Raman spectra of 10⁻¹⁰ M R6G molecules were detected on Ag NP-on PC and 10⁻² M R6G molecules on PVA.