Electronic Supplementary Material (ESI) for RSC Advances.

Arrayed Nanopore Silver Thin Films for Surface-enhanced Raman Scattering

Weiwei Zhang[a,b], Qingkun Tian[a], Zhanghua Chen[a], Cuicui Zhao[a], Haishuai Chai[a], Qiong Wu[a], Wengang Li[c], Xinhua Chen[d], Yida Deng[e*], Yujun Song[a*]

[a] Centre for Modern Physics Technology, School of Mathematics and Physics, School of Civil and Resources Engineering, University of Science and Technology, Beijing. Xueyuan Road 30, Haidian District, 100083, Beijing, China.

[b] Shunde Graduate School, University of Science and Technology Beijing, Daliang Zhihui Road 2, Shunde Distinct, 528399, Foshan, China

[c] Xiangan Affiliated Hospital, Xiamen University. Siming North Road 422, Siming District, 361005, Xiamen, Fujian, China.

[d] Department of Hepatobiliary and Pancreatic Surgery, the First Affiliated Hospital, School of Medicine, Zhejiang University, Key Laboratory of Combined Multi-organ Transplantation, Ministry of Public Health, Hangzhou 310003, China.

[e] Tianjin Key Laboratory of Composite and Functional Materials, School of Materials Science and Engineering, Tianjin University. Weijin Road 92, Nankai District, Tianjin, 300350, China.

[*]E-mail: Yujun Song, songyj@ustb.edu.cn;

Yida Deng, yida.deng@tju.edu.cn

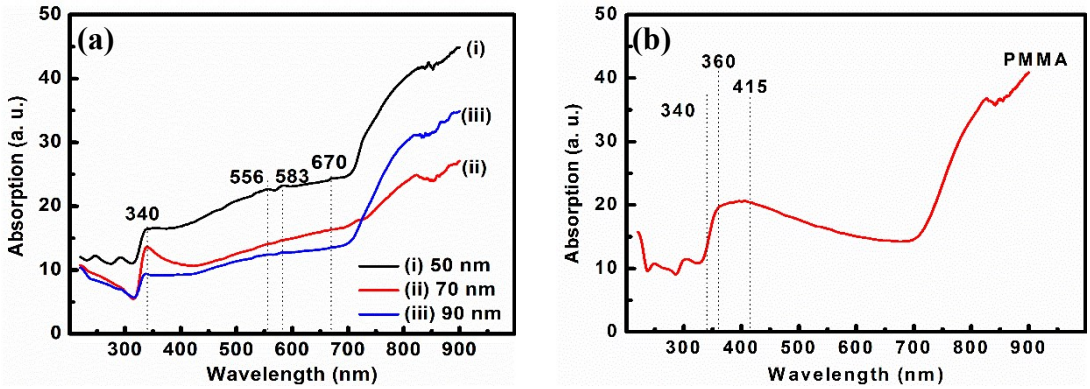

Fig. S1 (a) Absorption spectra of PMMA-based silver nanoporous films. The silver film thickness was 90 nm, and nanopore diameters were (i) 50 nm, (ii) 70 nm, and (iii) 90 nm; (b) Absorption spectrum of the PMMA film.