

Flexible transfer of plasmonic photonic structures onto fiber tips for sensor applications in liquids

Yan Wang¹, Feifei Liu^{1,2}, and Xinping Zhang^{1,*}

¹*Institute of Information Photonics Technology and College of Applied Sciences, Beijing University of Technology, Beijing 100124, P. R. China*

²*State Key Laboratory of Surface Physics and Department of Physics, Fudan University, Shanghai 200433, P. R. China*

*Email: zhangxinping@bjut.edu.cn

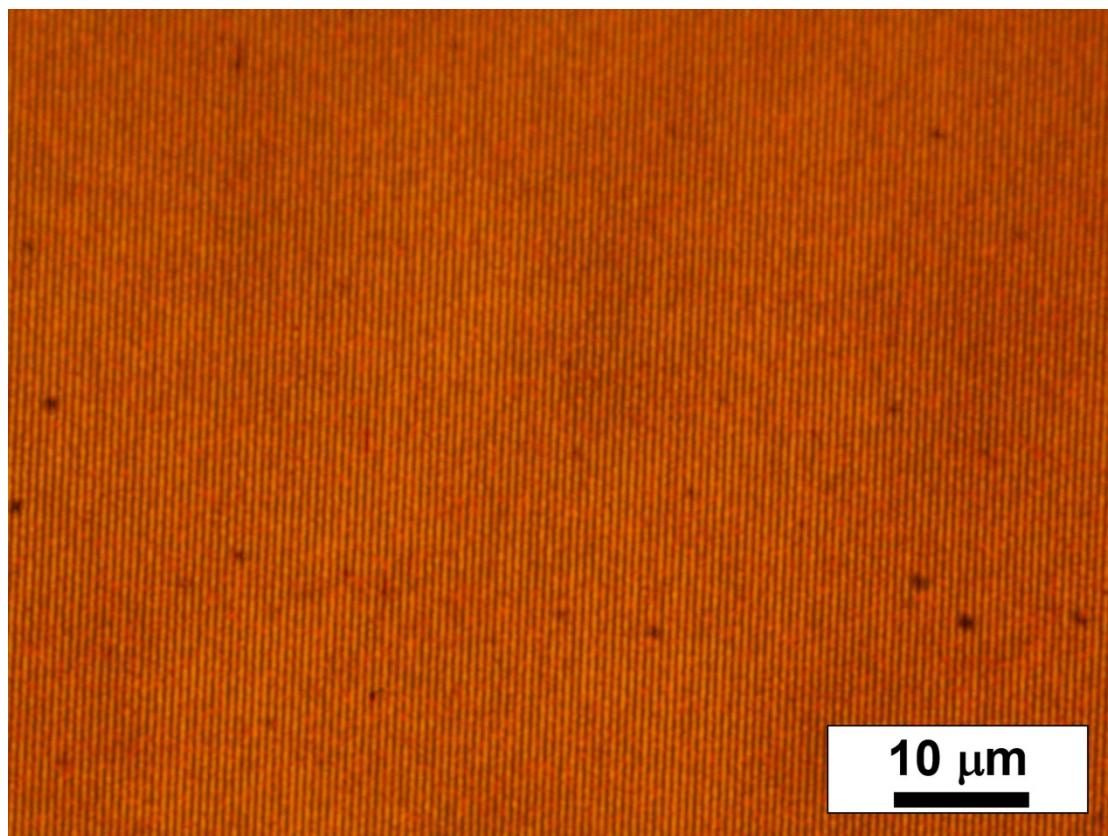


Fig. S1 Observation of the gold nanograting structures in Fig. 2(b) under the optical microscope.

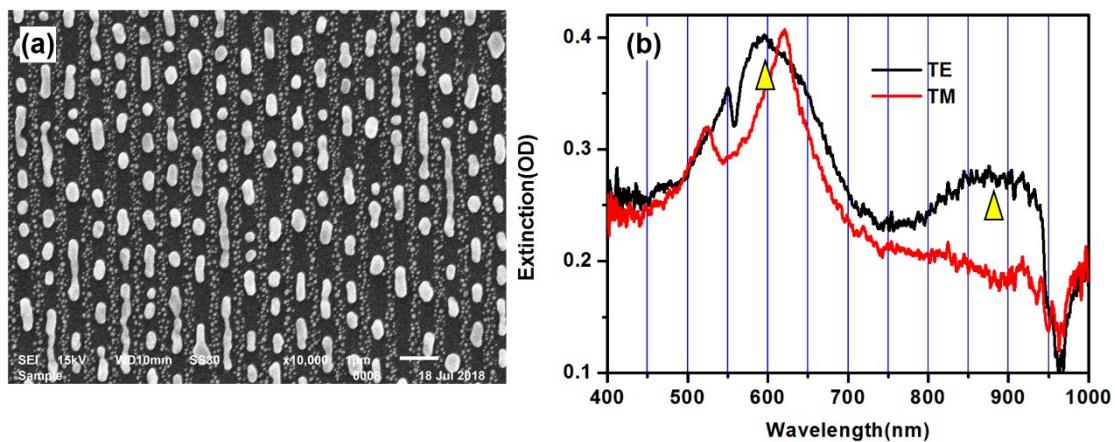


Fig. S2 (a) SEM image of a gold nanoparticle grating with a period of 600 nm. (b) Transmissive optical extinction spectra measured on the sample in (a) for TE (black) and TM (red) polarizations.