

Supplementary Material

Facile Synthesis of Au/Al₂O₃ Nanocomposites for Improving Detection Sensitivity of Adenosine Triphosphate

Li Xu, Qin Xu, Xiaoyu Guo, Ye Ying, Yiping Wu*, Ying Wen, Haifeng Yang*

The Education Ministry Key Lab of Resource Chemistry, Shanghai Key Laboratory of Rare Earth Functional Materials, Shanghai Municipal Education Committee Key Laboratory of Molecular Imaging Probes and Sensors and Department of Chemistry, Shanghai Normal University, Shanghai, 200234, China

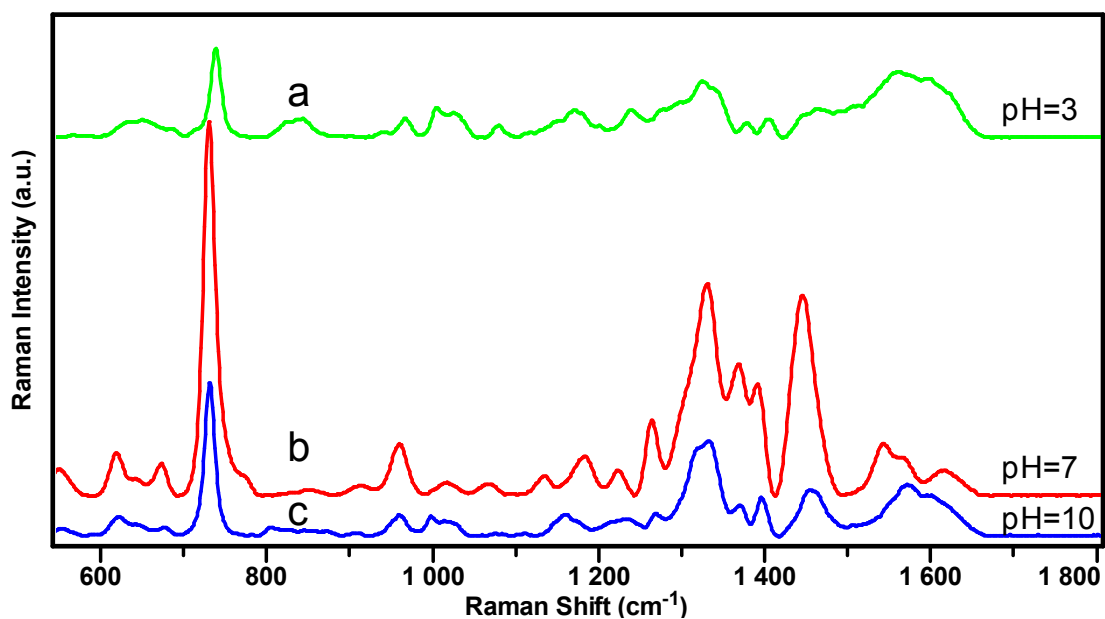


Fig. S1 SERS spectra of 10⁻⁴ M ATP with different pH: (a) pH=3, (b) pH=7 and (c) pH=10.

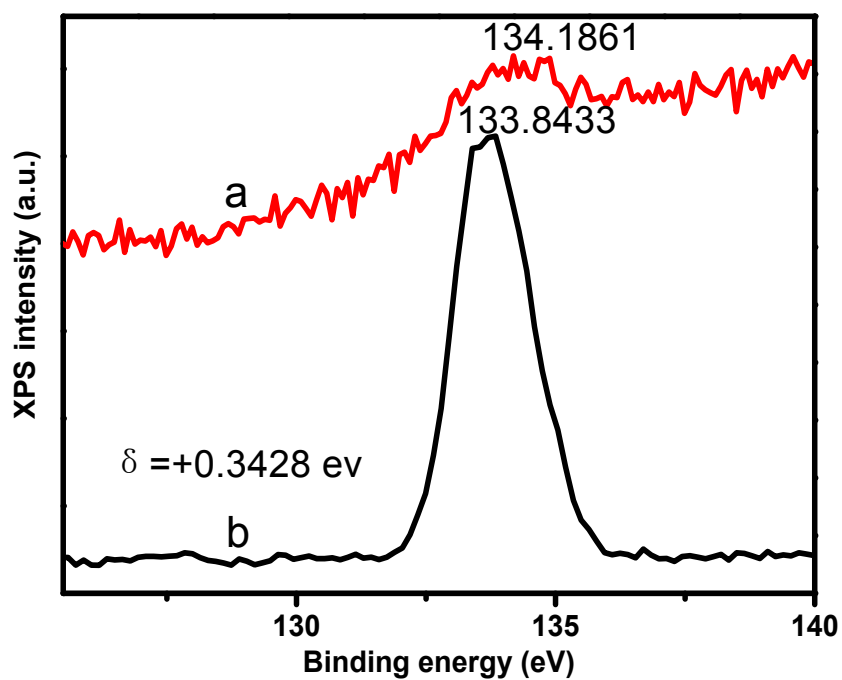


Fig. S2 XPS patterns of P 2p of (a) ATP adsorbed on Al₂O₃, (b) pure ATP

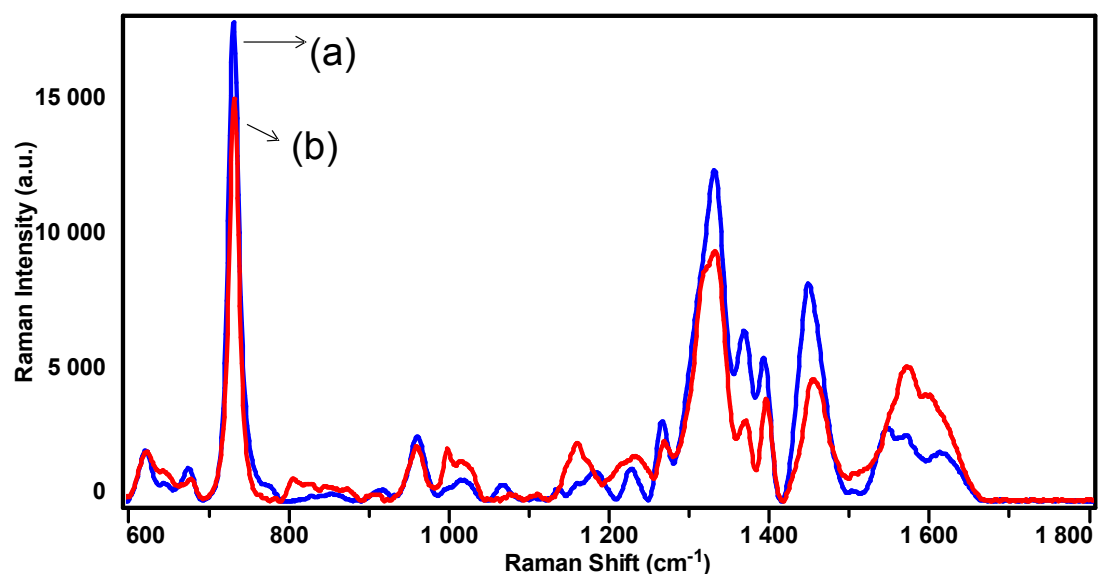


Fig. S3 SERS spectra of (a) 5×10^{-5} M ATP and (b) 5×10^{-5} M adenosine, recorded on Au/Al₂O₃ NCs