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Supporting Information

ZnO/Ag porous Nanosheets used as Substrate for Surface-enhanced Raman Scattering to detect organic pollutant

Kunyu Zhao†, Jie Lin† and Lin Guo*

School of Chemistry and Environment, Beihang University, Beijing 100191, PR China

* E-mail: guolin@buaa.edu.cn; Tel.: +86-10-82338162.

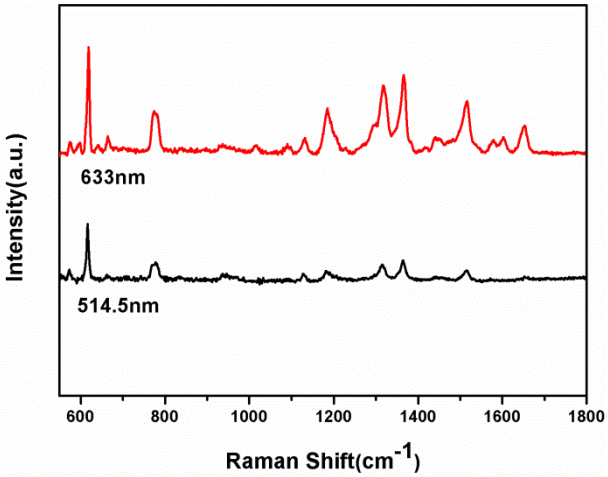

Fig. S1 The SERS spectra of R6G detected by ZnO/Ag nanocomposite in the 514.5 nm(black) and 633 nm(red)

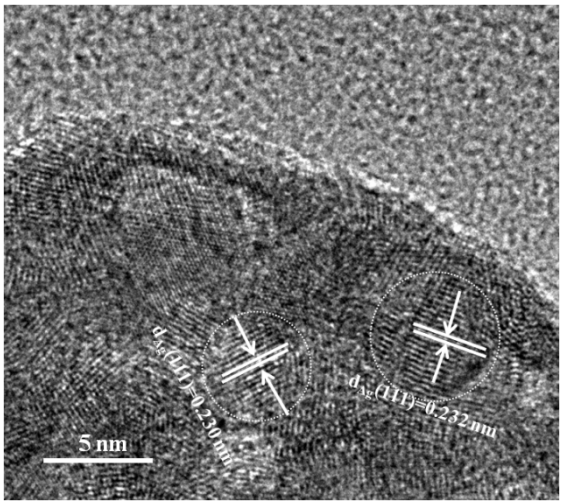

Fig. S2 HRTEM image of the ZnO/Ag hybrid nanosheets.

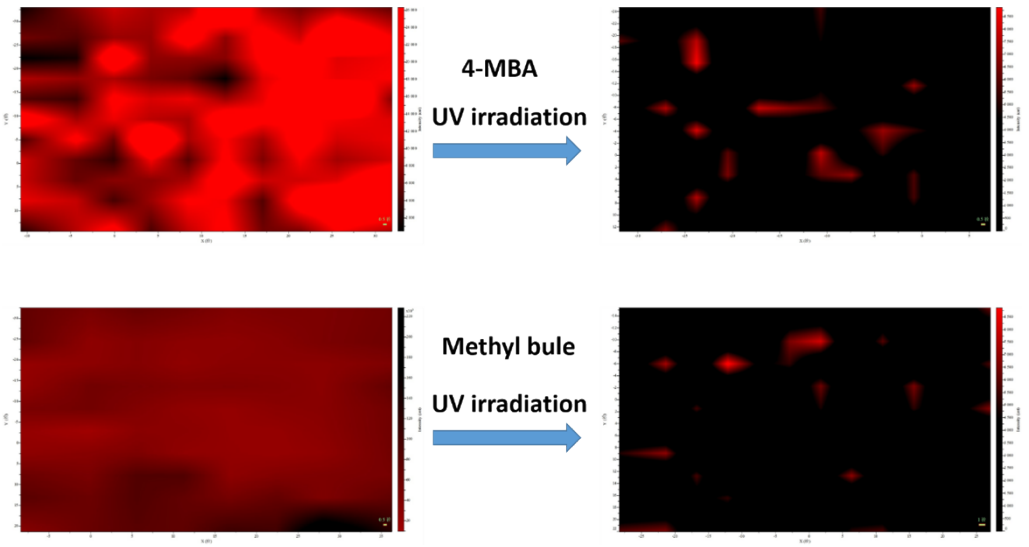

Fig. S3 In situ recycling SERS mapping of the ZnO – Ag substrate absorbed by 4-MBA (the peak mapped is 1586 cm^{-1}) and Methyl blue (the peak mapped is 1620 cm^{-1}). Laser wavelength: 647 nm; power: 10mw; lens: 50 X long objective; acquisition time: 5 s.