Supporting Information

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

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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.