Supplementary Information

In situ controlled sputtering deposition of gold nanoparticles on MnO$_2$ nanorods as surface-enhanced Raman scattering substrates for molecular detection

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Fig. S1 (a), (b) SEM images of the sample MnO$_2$@Au (6) and Raman spectra of (c) MB and (d) 4MBA on MnO$_2$@Au (5) and MnO$_2$@Au (6).
Fig. S2 FEM simulation of the E-field intensity distribution of gold decorated α-MnO$_2$ nanorods with incident laser wavelength of 532 nm.