## **Supporting Information**

## Enhanced Surface-Enhanced Raman Scattering Activity of MoS<sub>2</sub>-Ag-Reduced Graphene Oxide: Structure-Mediated Excitonic Transition

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Figure S1. Analysis of XPS spectra of Ag 3d for MoS<sub>2</sub>-Ag-rGO structures.



Figure S2. Reproducibility (a) and the limit of detection (b) of the SERS spectra of  $MoS_2$ -Ag-rGO substrates with MB as the probe molecule under 633 nm laser irradiation.