Supporting Information

Sulfate-Ion-Assisted Galvanic Replacement Tuning of Silver Dendrites to Highly Branched Chains for Effective SERS

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**Fig. S1** XPS wide spectrum of the HBSCs (highly branched silver chains) obtained in 10 mM AgNO₃ aqueous solution in the presence of 2.5 mM Na₂S₄ at a reaction time of 10 min.

**Fig. S2** UV-vis spectra of silver dendrites (a) and HBSCs (b).
Figure S3 Raman spectrum of R6G (1×10⁻² M in ethanol solution). (Excitation: 633 nm, power: 17 mW, data collection: 120 s and 10 × microscope objective lens)