

Supporting Information

Exceptional Enhancement of Raman Scattering on Silver Chlorobromide Nanocube Photonic Crystals: Chemical and Photonic Contributions

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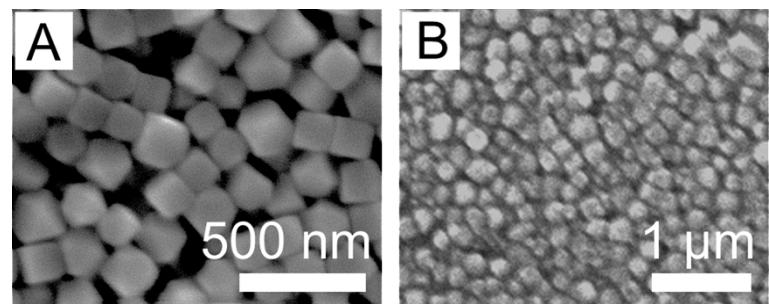


Figure S1. SEM images of (A) Ag nanocubes precipitated at the bottom of a centrifuge tube after centrifugation and (B) randomly organized $\text{AgCl}_{0.44}\text{Br}_{0.56}$ nanocubes on a glass slide after a drop of dispersion was dried at room temperature.

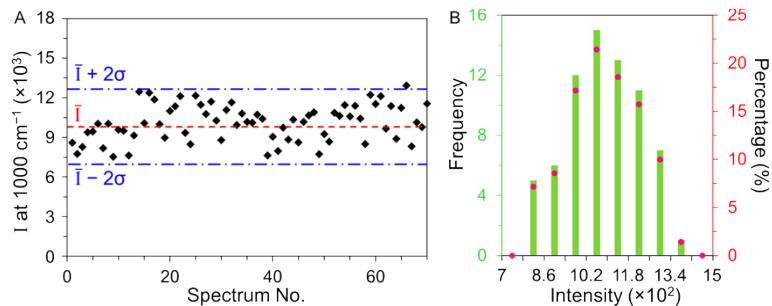


Figure S2. Statistical analysis of the Raman intensity at 999 cm^{-1} measured from thiophenol molecules adsorbed on the $\text{AgCl}_{0.44}\text{Br}_{0.56}$ nanocube photonic crystal at 70 random spots. The red dashed line in (A) highlights the average intensity (\bar{I}) and the blue dash dotted lines highlight the average plus/minus two times of the standard deviation ($\bar{I} \pm 2\sigma$).