



Supporting Materials

Plasmonic Au@Ag Core-Shell Nanoisland Film for Photothermal Inactivation and SERS Detection of Bacteria

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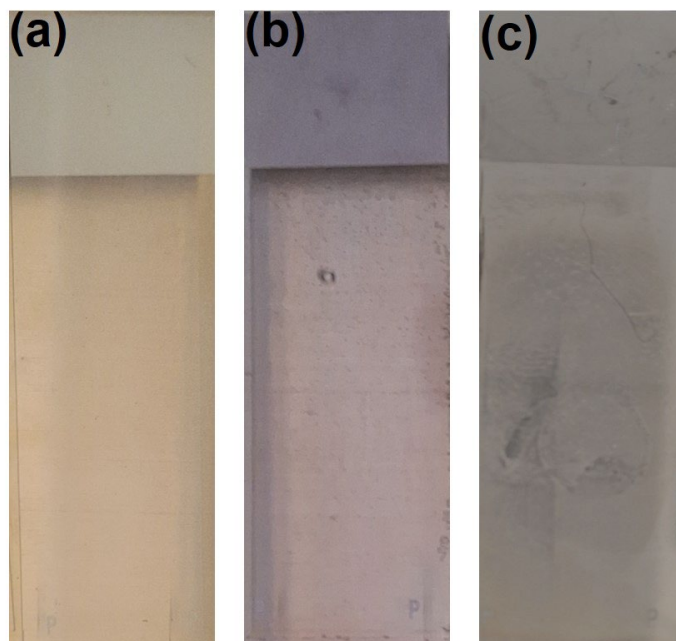


Figure S1. Photographic images of Au@AgNIFs during synthesis (a) deposition of Au³⁺ ions, (b) growth of Au seeds, and (c) growth of Ag shells.

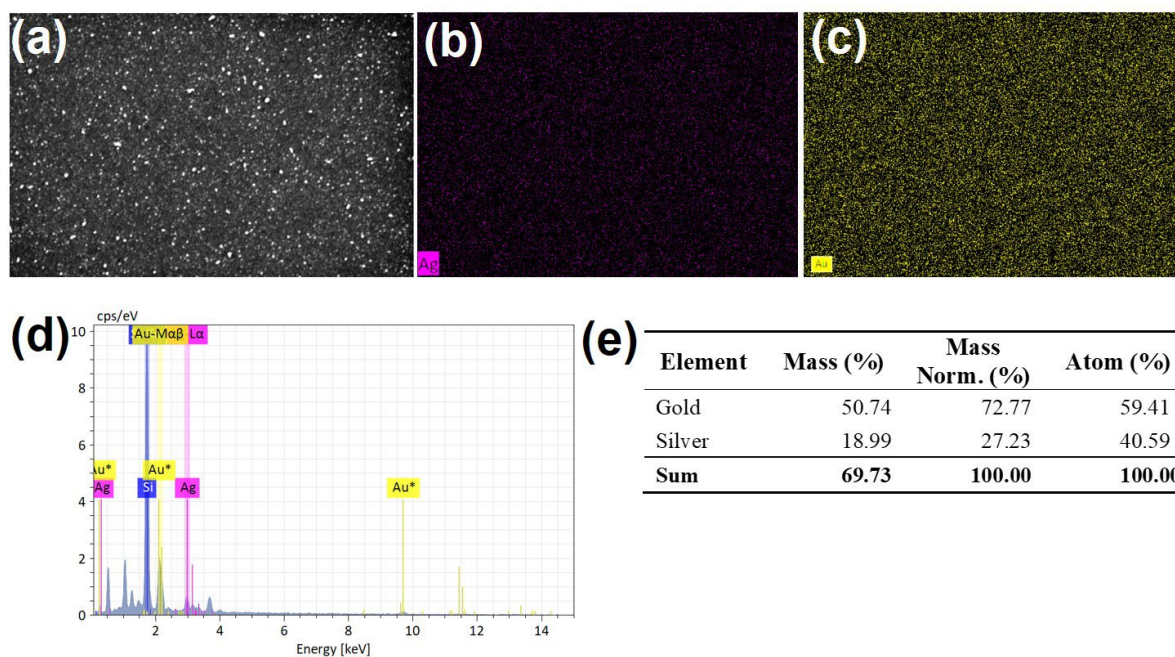


Figure S2. EDX analysis of Au@AgNIF (a) SEM image, (b) Ag mapping, (c) Au mapping, (d) EDX spectrum, and (e) elemental composition.

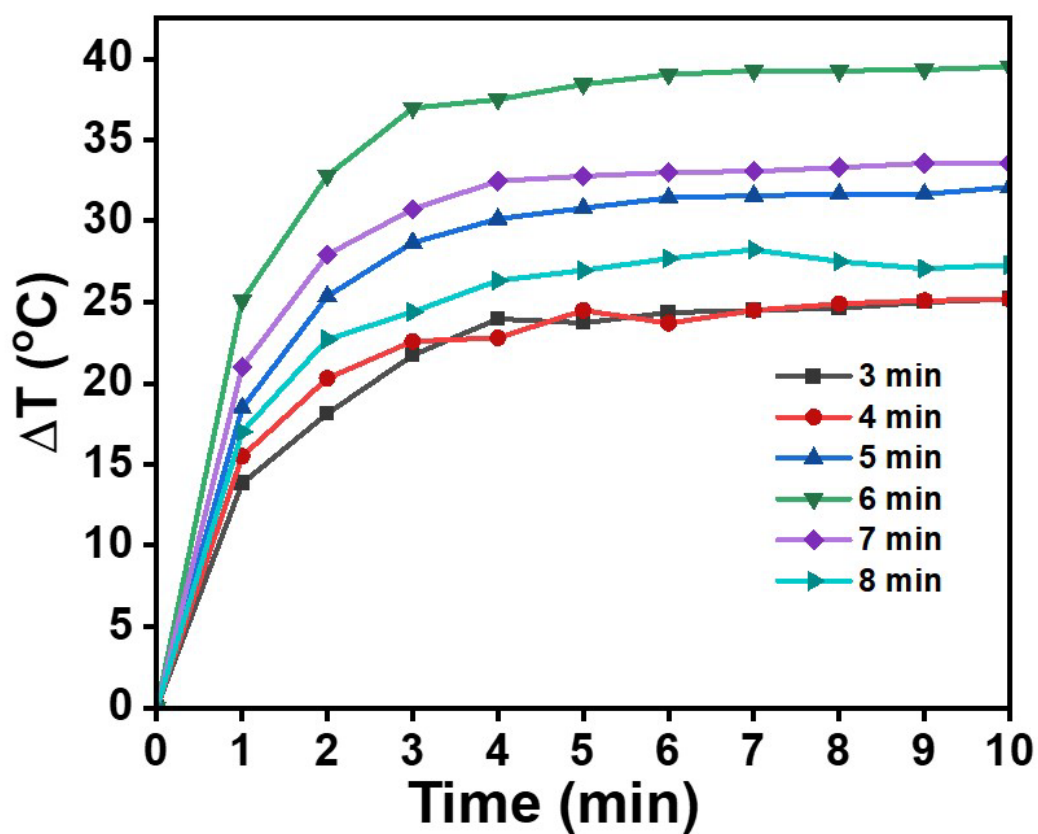


Figure S3. Photothermal performances of Au@AgNIFs with the growth times of 3, 4, 5, 6, 7, and 8 min, respectively.