

Supplementary Material

Interior hotspot engineering in Ag–Au bimetallic nanocomposites by *in situ* galvanic replacement reaction for rapid and sensitive surface-enhanced Raman spectroscopy detection

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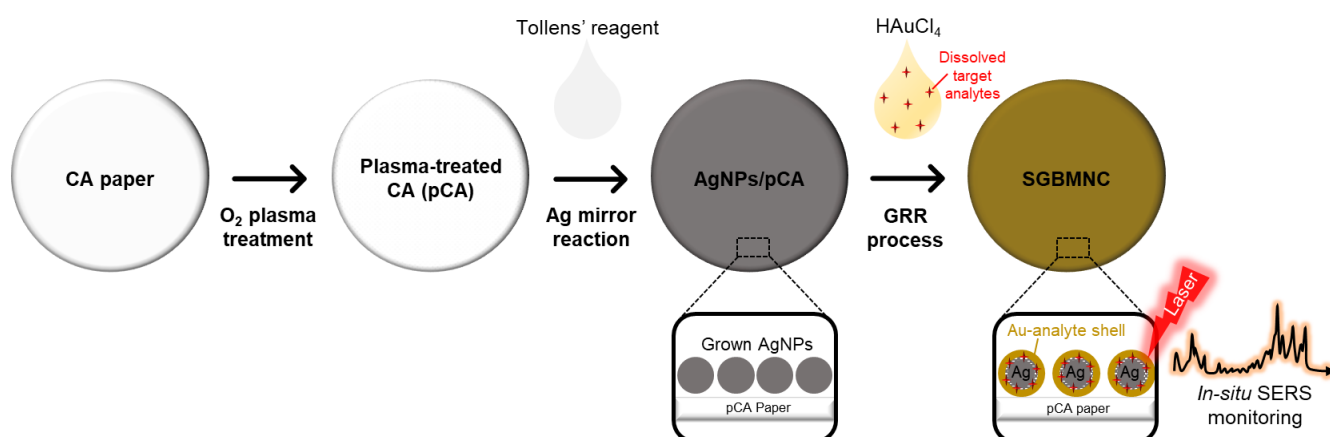


Figure S1. Schematic of the fabrication procedures for the SGBMNC SERS platform *via* chemical syntheses.

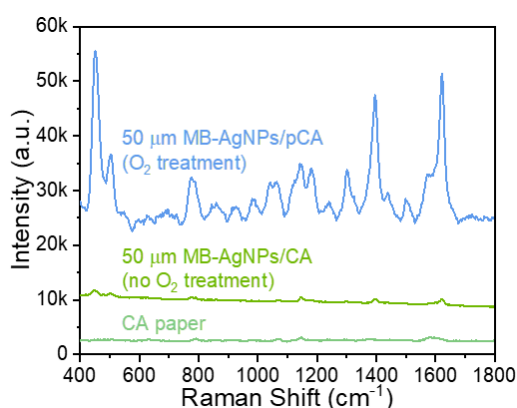


Figure S2. SERS spectra of the bare CA paper and the MB-attached AgNPs grown on the CA with and without oxygen plasma treatment.

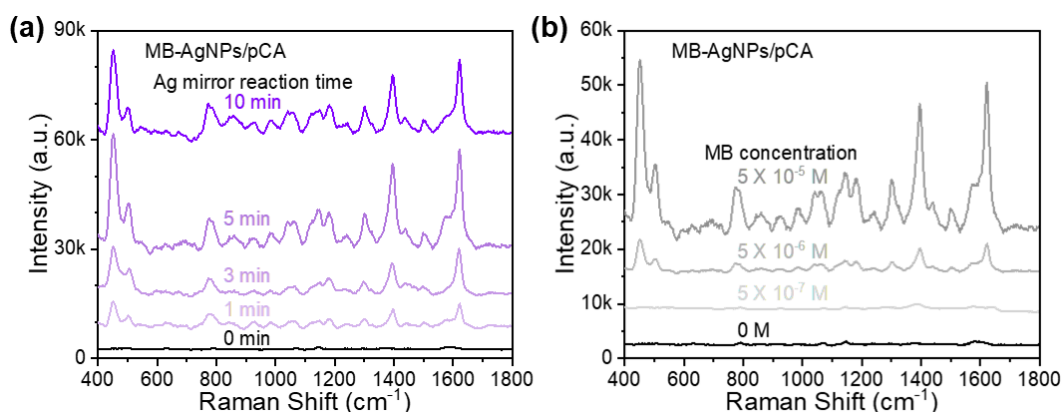


Figure S3. Influence of (a) the Ag mirror reaction time and (b) the molecular concentration on the SERS spectra of MB-AgNPs/pCA.

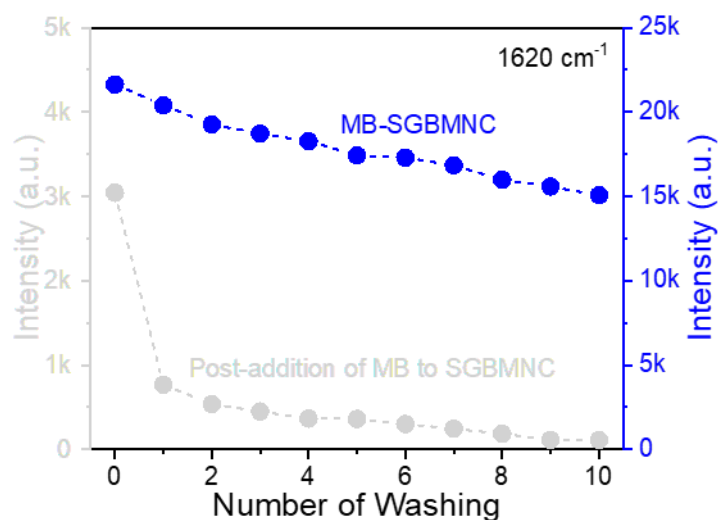


Figure S4. Signal variations of the post-addition of MB to SGBMNC and MB-SGBMNC during ten times washing.

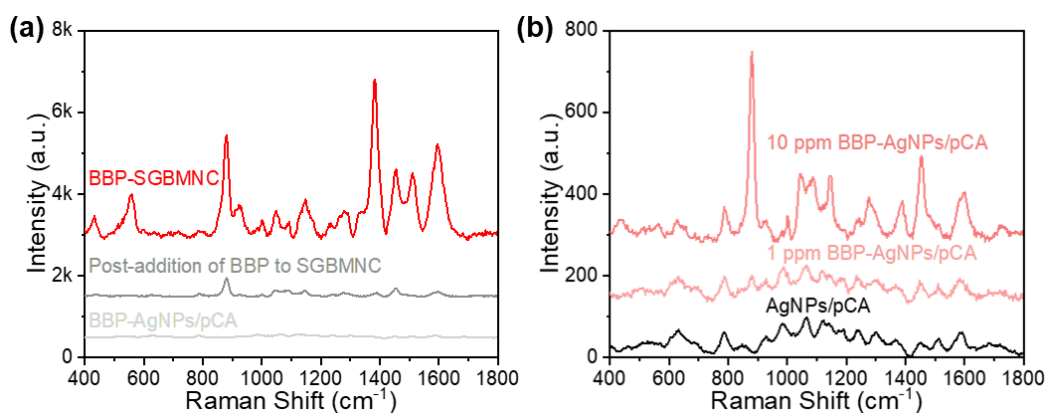


Figure S5. (a) SERS spectra of BBP on the platform with and without interior hotspots and (b) the sensitivity of AgNPs/pCA for BBP detection.