

Supporting Information

Facile microwave-assisted synthesis of Ag@SiO₂ nanoparticles for Raman spectroscopy

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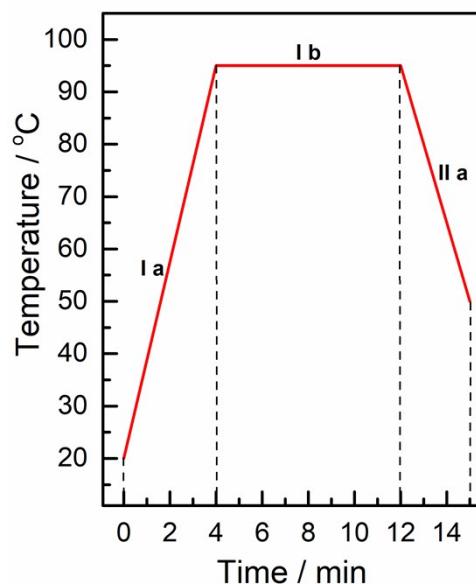


Fig. S1 Temperature evolution in Ag NPs one-stage microwave synthesis. I a region corresponds to stepped temperature increase up to 95 °C, while I b region indicates maintained temperature by applying 100 W microwave power. II a region corresponds to temperature decrease to 50 °C.

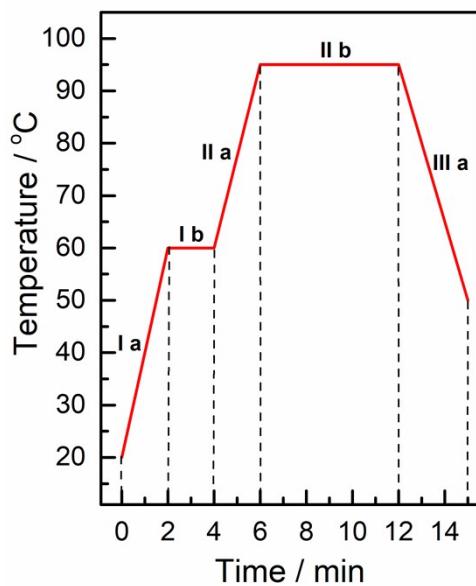


Fig. S2 Temperature evolution in Ag NPs two-stage microwave synthesis. I a, II a regions correspond to stepped temperature increase up to 60 °C and 95 °C, while I b, II b regions indicate maintained temperature by applying 100 W microwave power. III a region corresponds to temperature decrease to 50 °C.

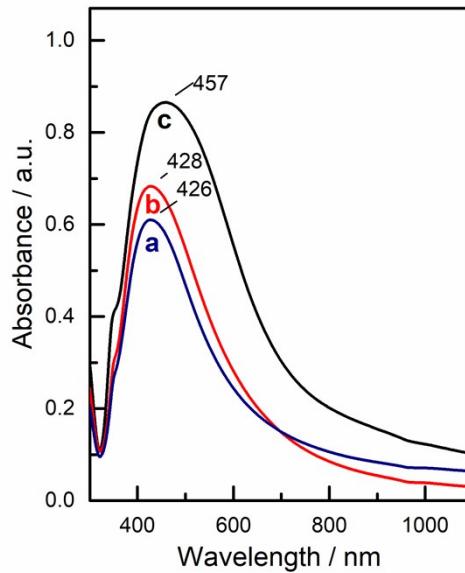


Fig. S3 UV/Vis spectra of Ag NPs synthesized by one-stage temperature regime (**a**), two-stage temperature regimes (**b**), and three-stage temperature regimes (**c**) in the range of 300–1100 nm.