

Microwave-assisted synthesis and in-situ self-assembly of coaxial Ag/C nanocables**

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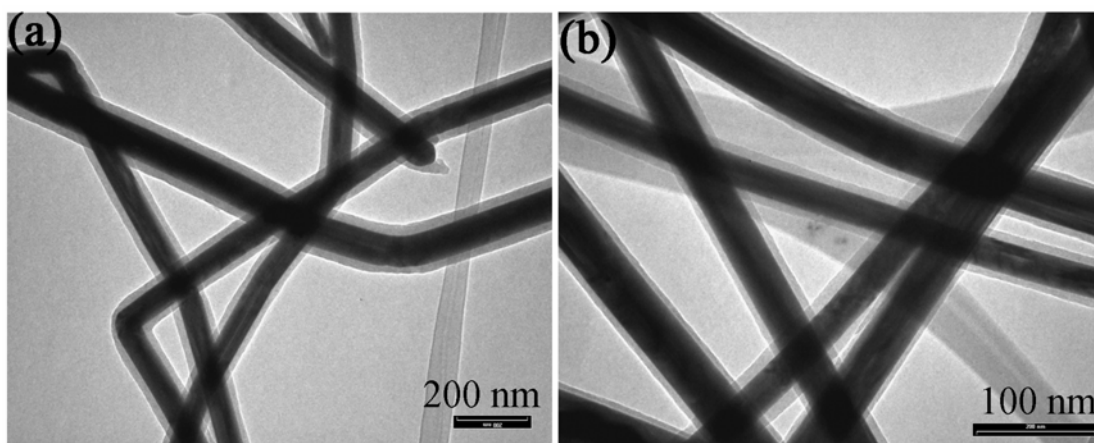


Fig. S1 TEM images of Ag/C nanocables synthesized using the MAHRC method. (a) and (b) are for the same product as shown in Fig. 1.

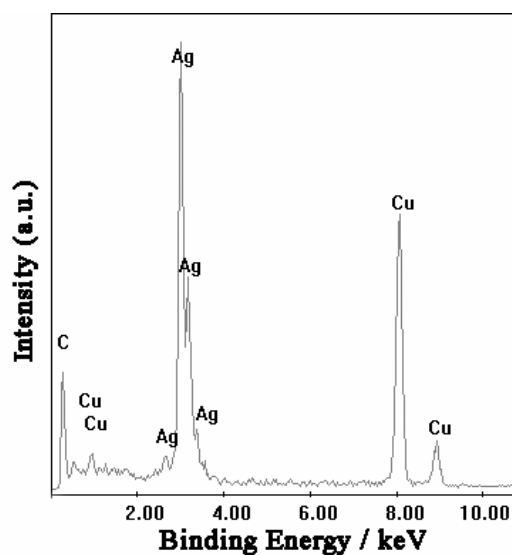


Fig. S2 A typical EDX spectrum of taken from a single nanocable, suggesting the nanocable is composed of Ag and C only.

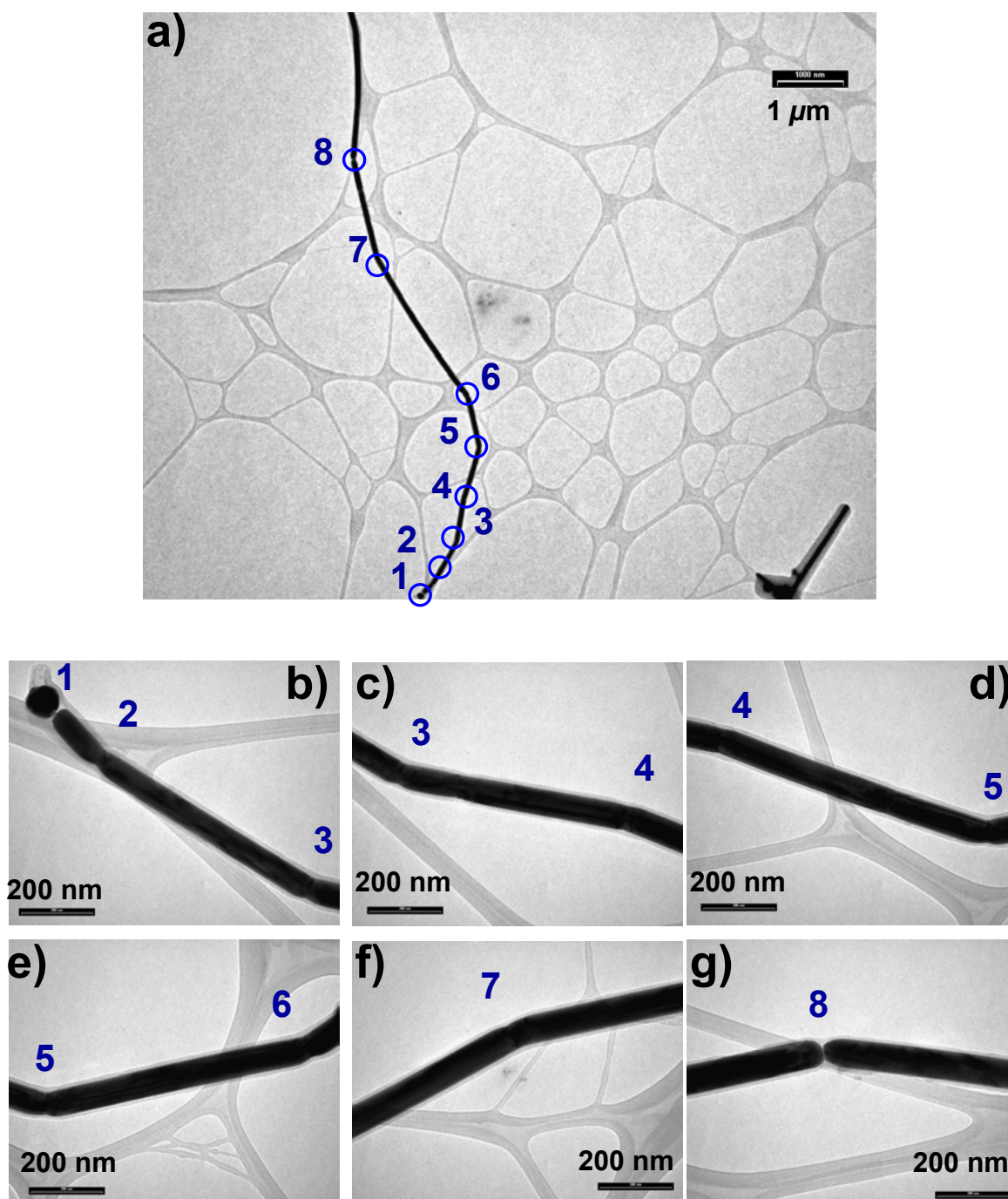


Fig. S3 TEM images of interconnected Ag/C nanocables. (a) A representative TEM image showing an individual chainlike structure with a length up to $\sim 10 \mu\text{m}$. There exist 8 junctions (labelled with circles) in this chainlike structure. (b)–(g) High-magnification TEM images showing more details for these junctions (labelled with Arab numbers).