

Impedance match method to tune electromagnetic wave absorption properties of hierarchical porous ZnO flowers

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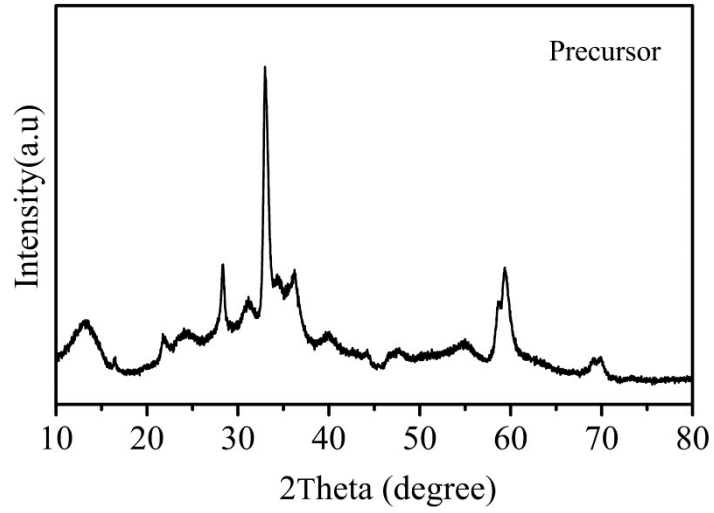


Figure S1 (a) XRD curve of as-prepared rGO materials.

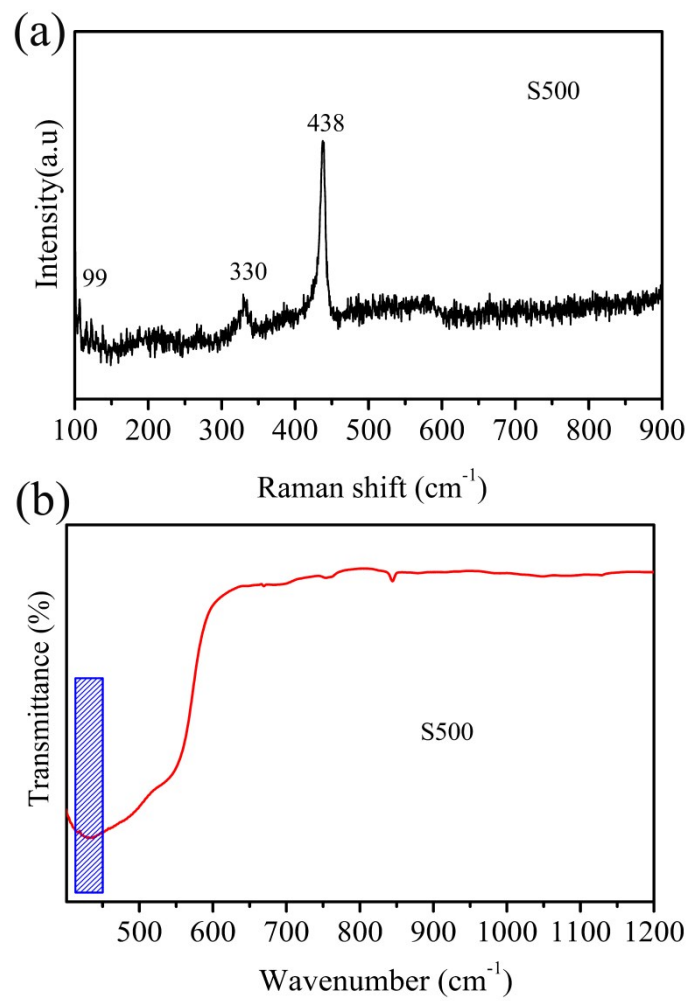


Figure S2 (a) Raman pattern and (b) FT-IR profile of porous ZnO flowers obtained at 500 °C (S500).

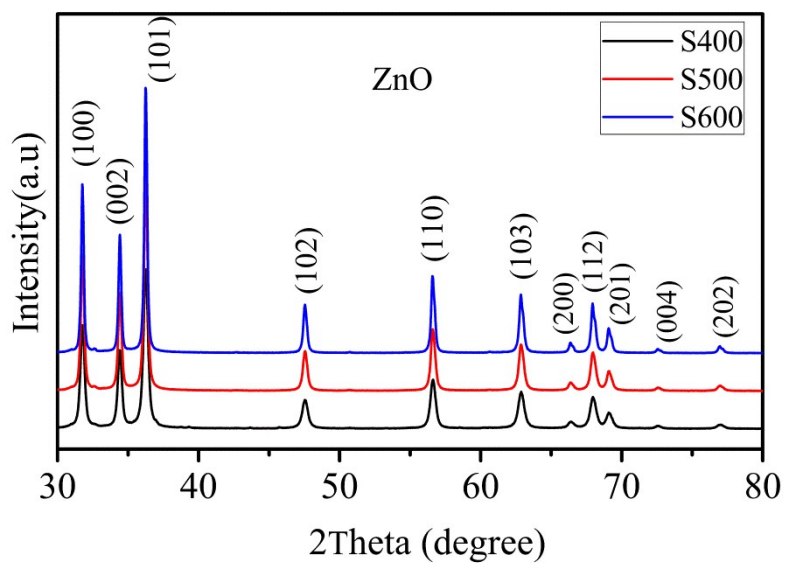


Figure S3 XRD patterns of the porous flower-like ZnO samples calcined at different temperatures.

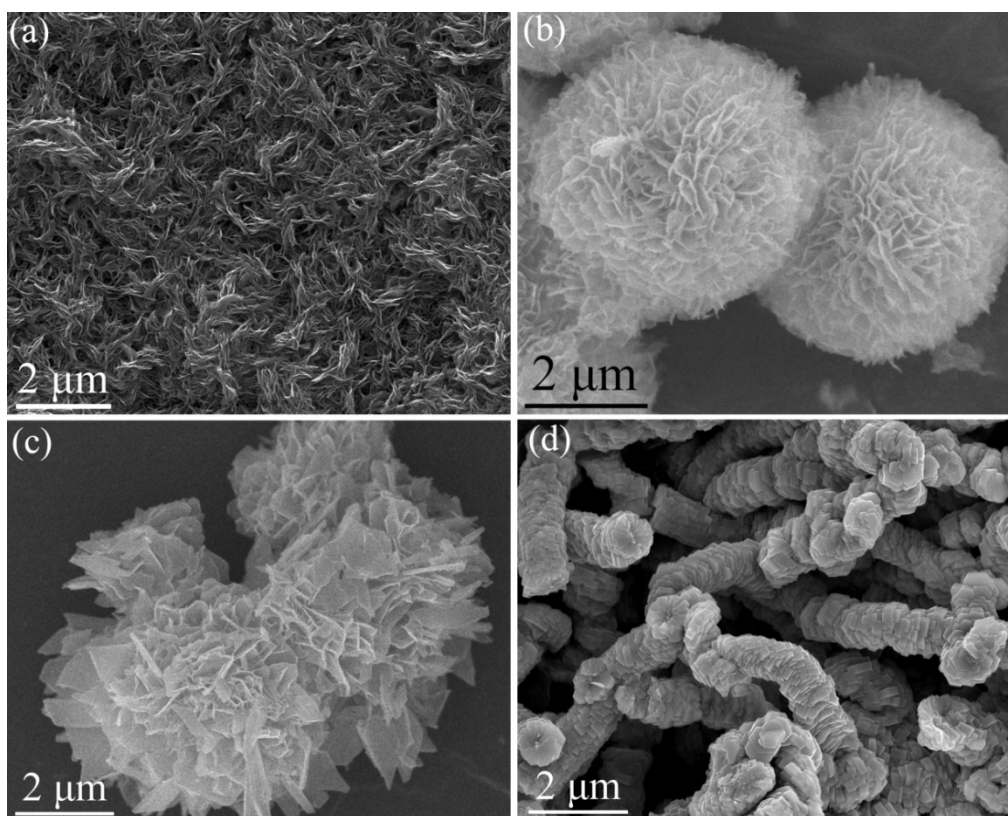


Figure S4 SEM images of precursors prepared at various temperatures: (a) 120 °C, (b) 150 °C, (c) 170 °C and (d) 210 °C.

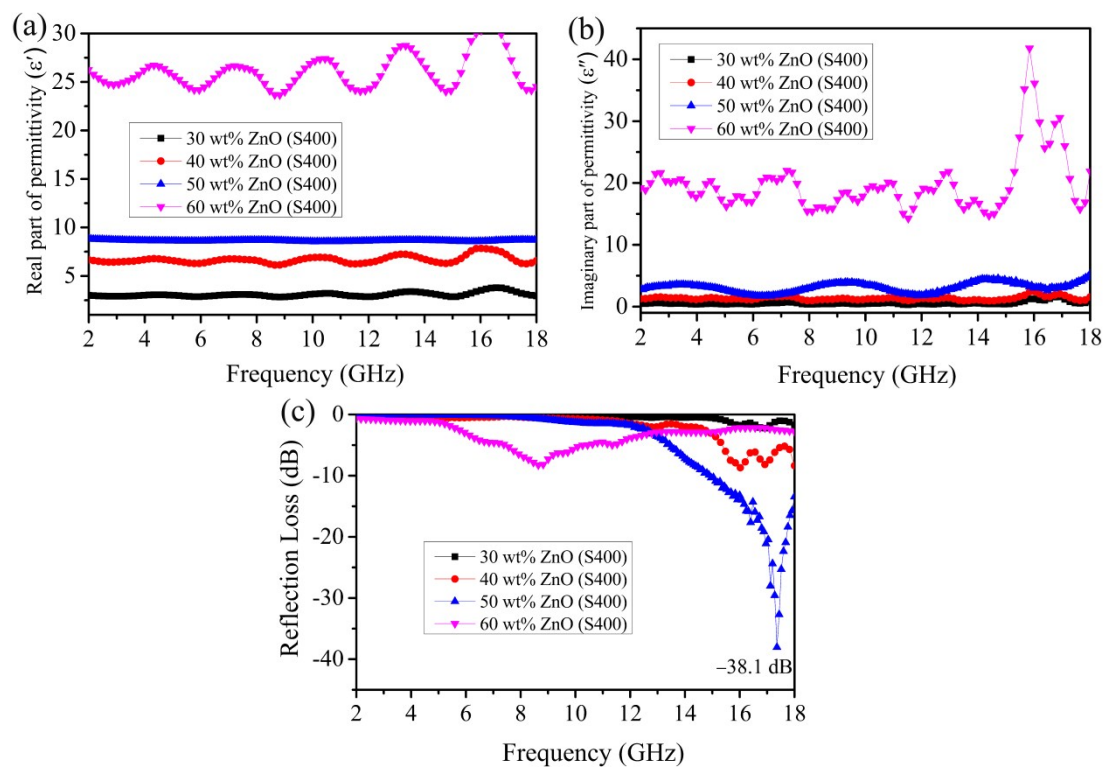


Figure S5 (a) Real parts and (b) imaginary parts of complex permittivity for S400-paraffin composites with different S400 amounts; (c) Reflection loss of S400-paraffin composites with different S400 amounts at thickness of 1.5 mm.