

Supporting Information

Graphene Oxide/Reduced Graphene Oxide Enhanced Noniridescent Structural Colors Based on Silica Photonic Spray Paints with Improved Mechanical Robustness

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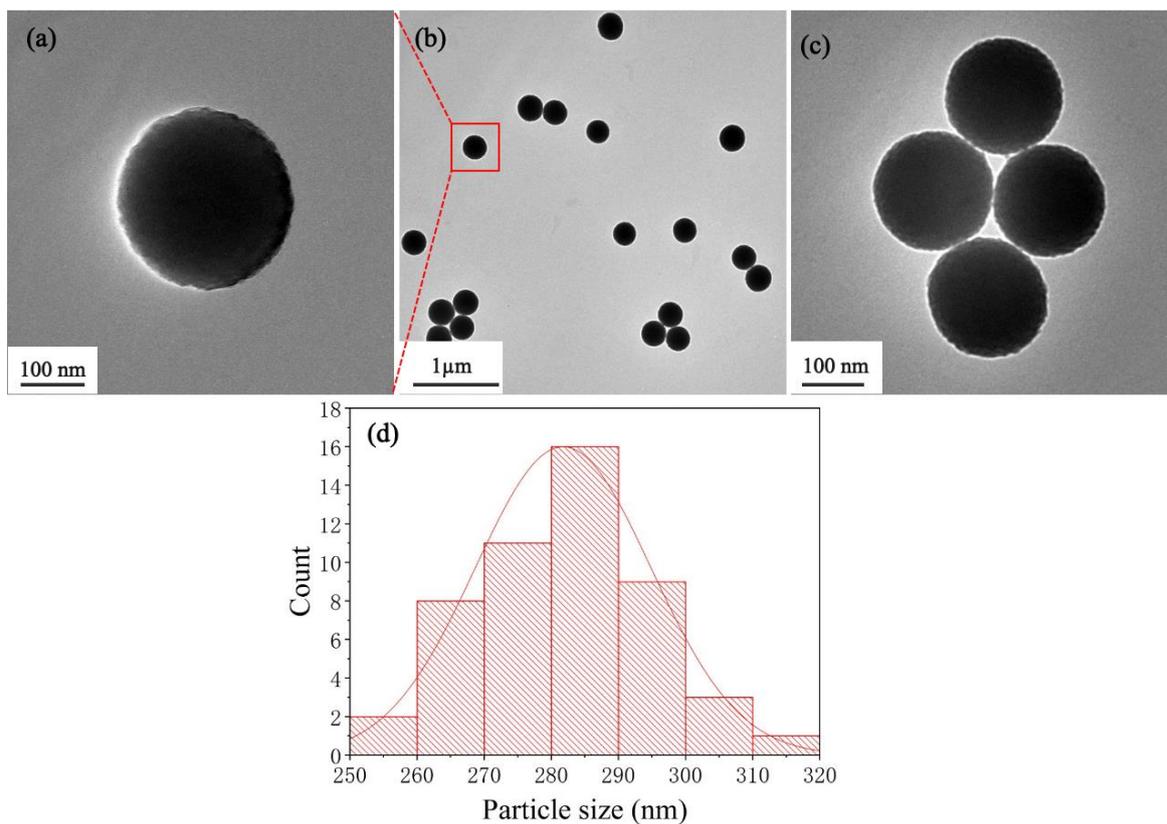


Figure S1. TEM images of SiO₂ nanoparticles with particle sizes of 294.0 nm, scale bars are (a) 100 nm, (b) 1 μm and (c) 100 nm, respectively. (d) The corresponding particle size distribution from TEM image measured by Nano Measurer software.

Differential scanning calorimetry (DSC) was performed on a PerkinElmer DSC800 instrument under a dry nitrogen atmosphere. Approximately 7.5mg of PMB was used, and it was heated at a heating rate of 10 °C/min from -65°C to 125°C.

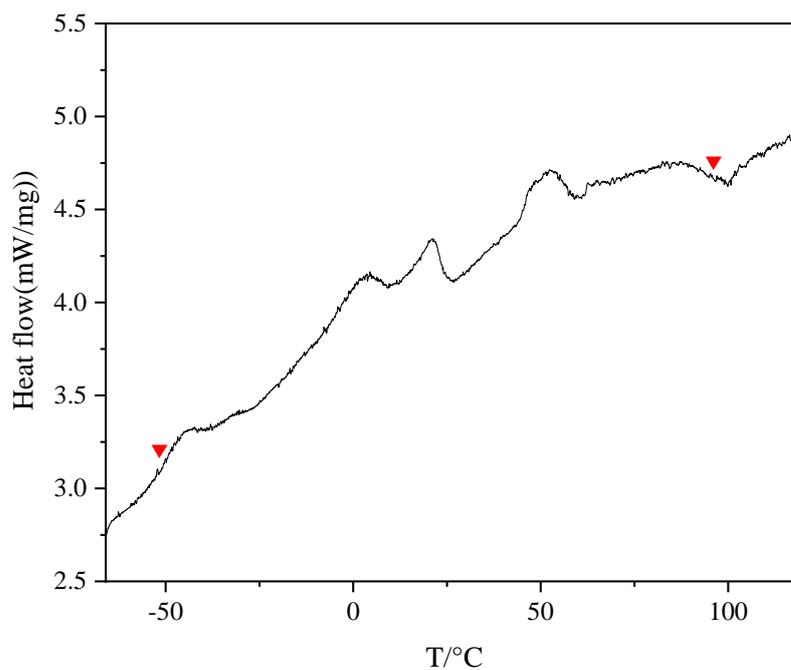


Figure S2. DSC thermogram of PMB.

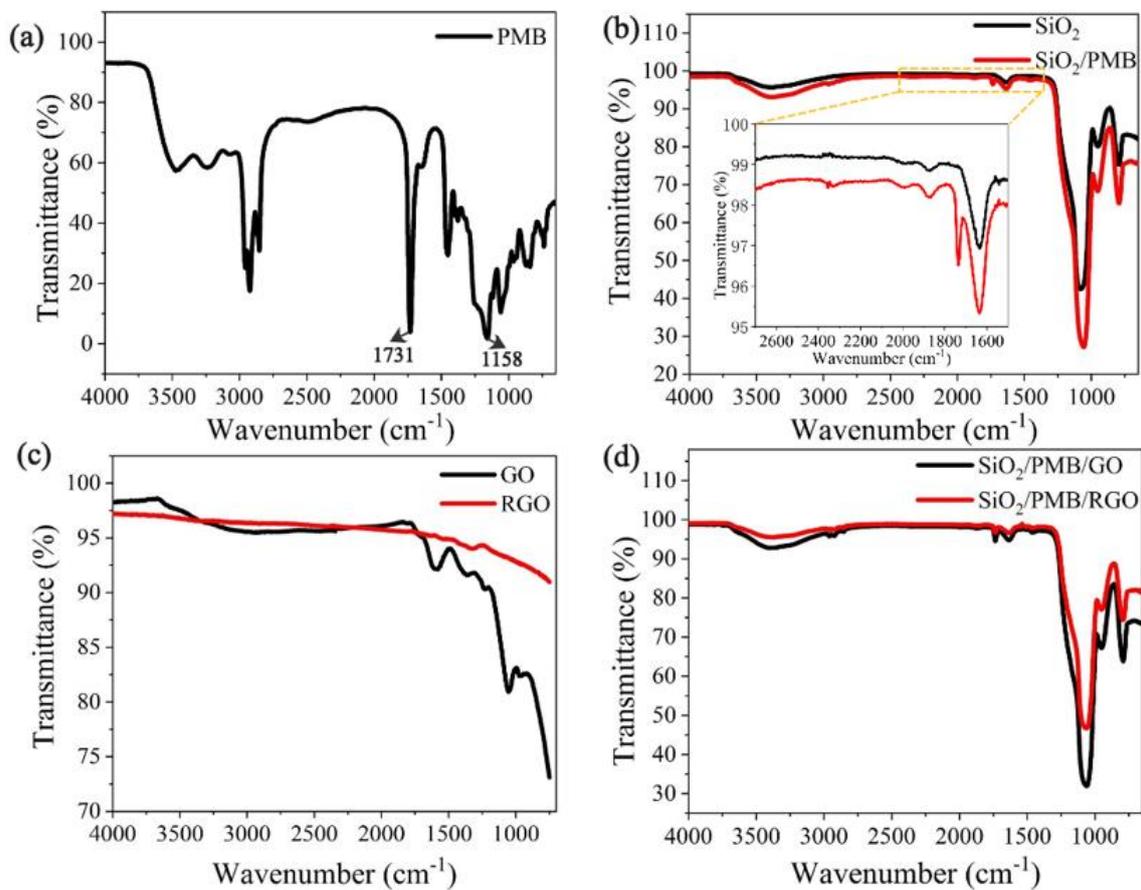


Figure S3. FTIR spectrum of (a) PMB, (b) SiO_2 and SiO_2/PMB PSPs, (c) GO, RGO, (d) $\text{SiO}_2/\text{PMB}/\text{GO}$ and $\text{SiO}_2/\text{PMB}/\text{RGO}$ PSPs.