

## Supporting Information

### FeCo Alloy Nanoparticles Decorated Cellulose Based Carbon Aerogel as Low-Cost and Efficient Electromagnetic Microwave Absorber

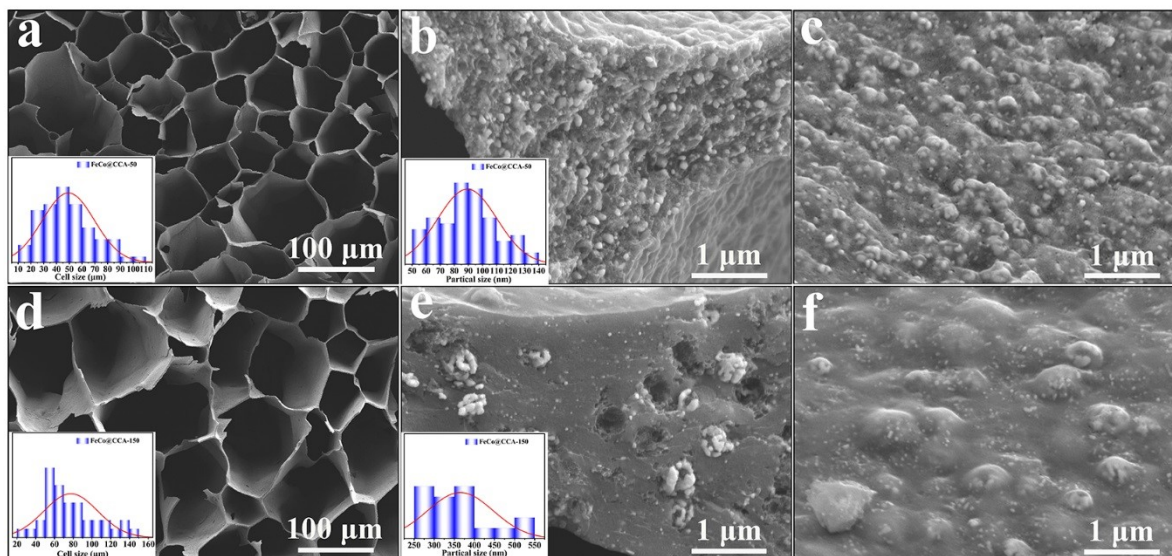
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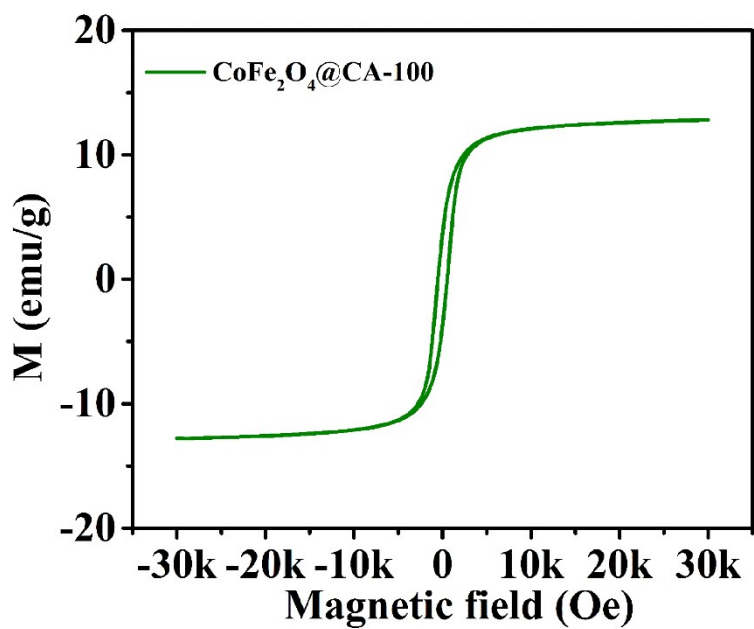
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**Fig. S1.** SEM images of (a, b, c) FeCo@CCA-50, (d, e, f) FeCo@CCA-150.



**Fig. S2.** Room temperature magnetic hysteresis loop of CoFe<sub>2</sub>O<sub>4</sub>@CA-100.

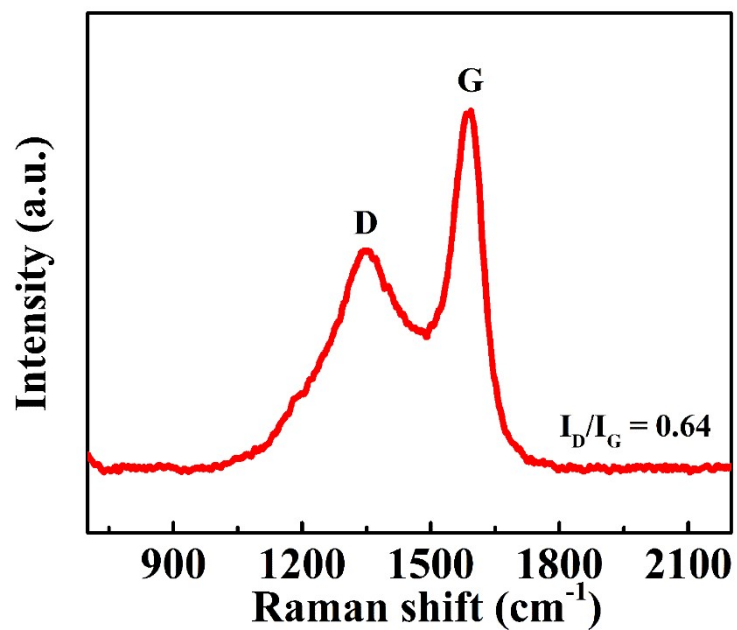


Fig. S3. Raman spectra of FeCo@CCA-100.

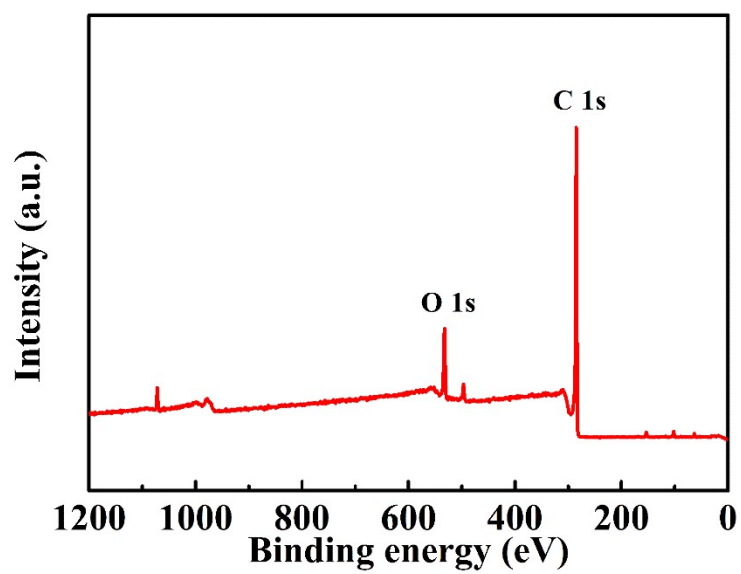


Fig. S4. PS spectra of carbonized cellulose at 580 °C.