Electronic Supplementary Material (ESI) for Journal of Materials Chemistry C.

Supporting Information

Porous Co_9S_8 Nanotubes with Percolation Effect for Lightweight and Highly Efficient Electromagnetic Wave Absorption

Chenhui Zhou, Chen Wu*, Huipeng Lv, and Mi Yan*

School of Materials Science and Engineering, State Key Laboratory of Silicon Materials, Zhejiang University, Hangzhou 310027, China

E-mail: (chen_wu@zju.edu.cn; mse_yanmi@zju.edu.cn)

Supplementary figures

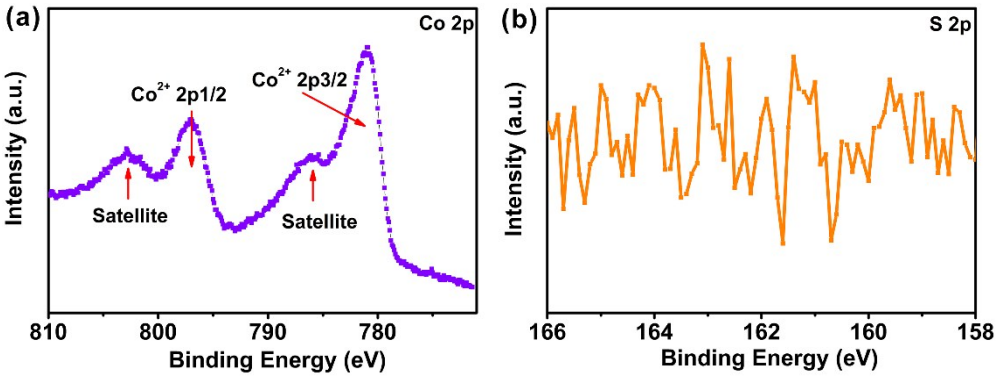

Figure S1. XPS spectra of the $Co(CO_3)_{0.5}(OH)\cdot 0.11H_2O$ precursor showing the (c) Co and (d) S peaks.

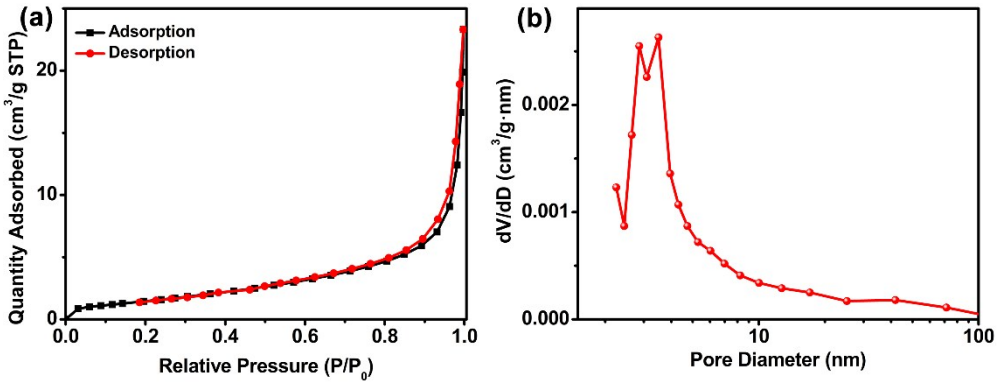

Figure S2. (a) N_2 adsorption-desorption isotherms and (b) pore-size distribution of the Co_9S_8 nanotubes.

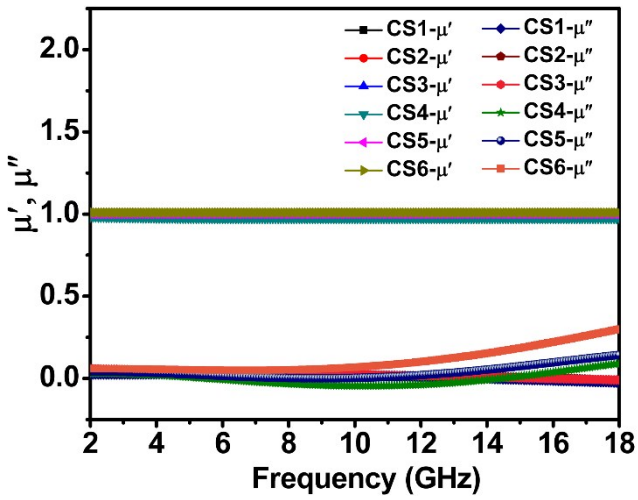

Figure S3. (a) Real (μ') and (b) imaginary part (μ'') of the permeability for CS1 to CS6 measured via the coaxial method.

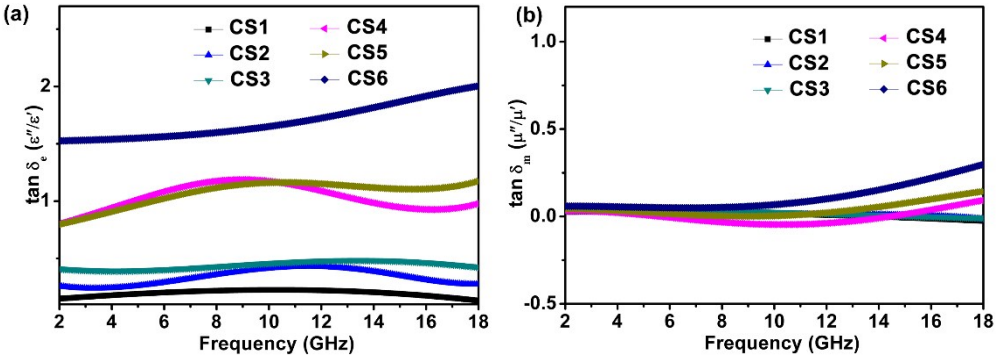

Figure S4. Comparison between (a) dielectric and (b) magnetic loss for CS1 to CS6.