Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A

Supporting information

Synthesis, Characterization, and High Temperature CO_2 capture of New CaO based Hollow Sphere Sorbents

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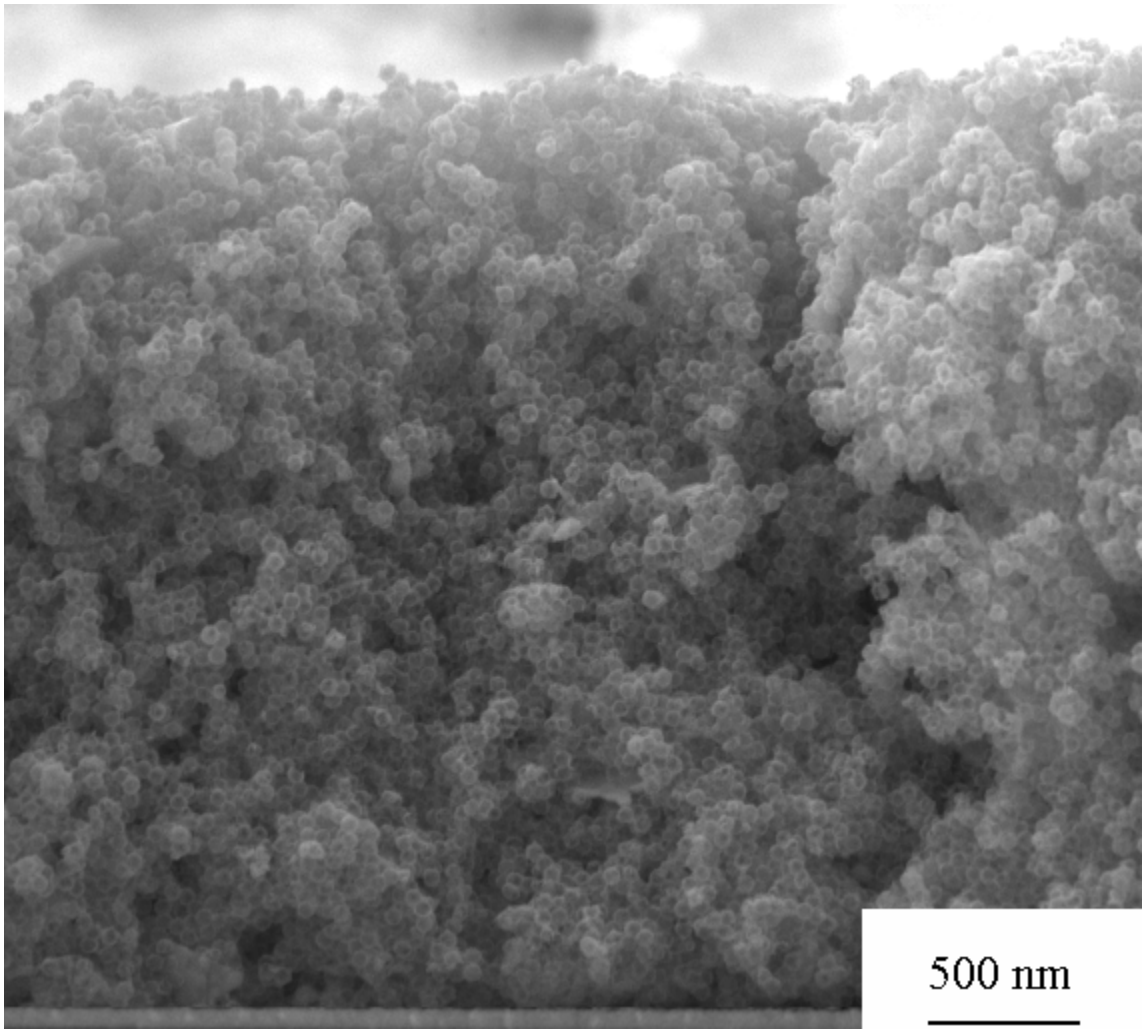

Fig. S1 SEM image of cross-section of hollow spheres stacked on the silicon substrate prepared from T1 core-shell hydrogel template.

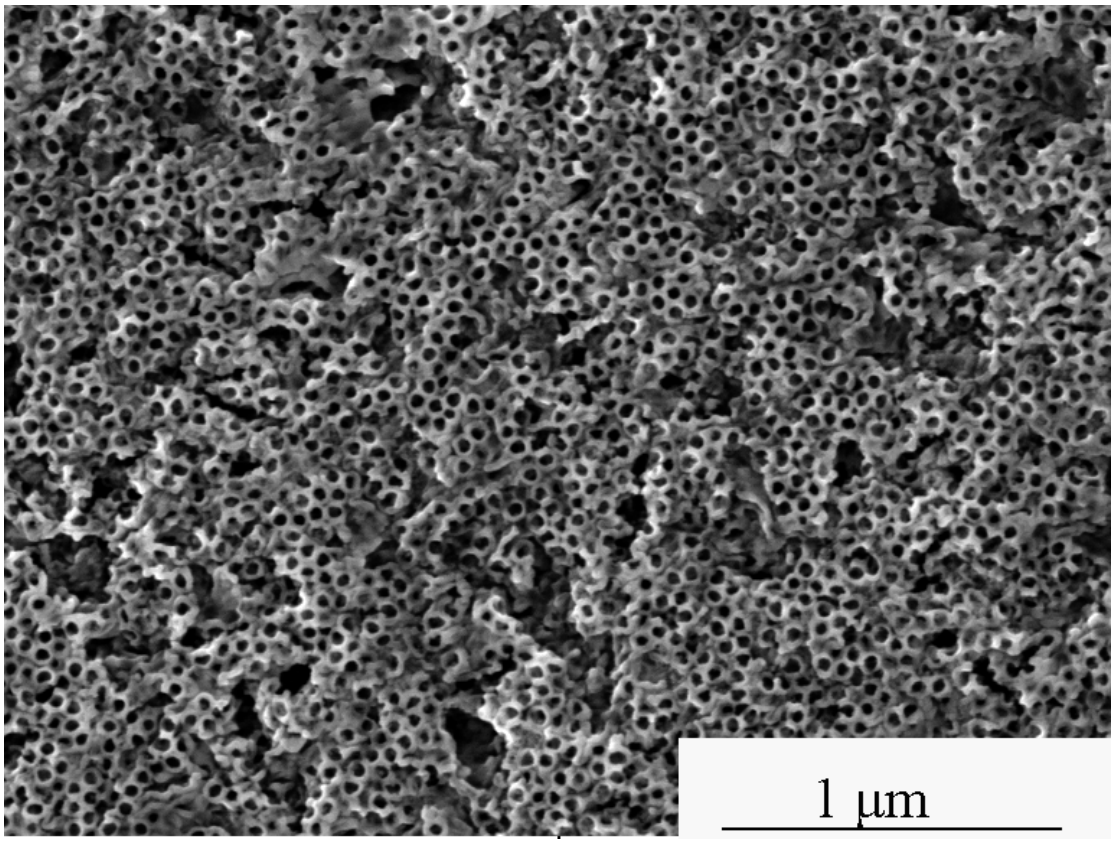

Fig. S2 porous CaO prepared from sulfonated PS spheres and $CaCl_2 \cdot 2H_2O$ without the presence of $Al(O\text{-}i\text{-}Pr)_3$

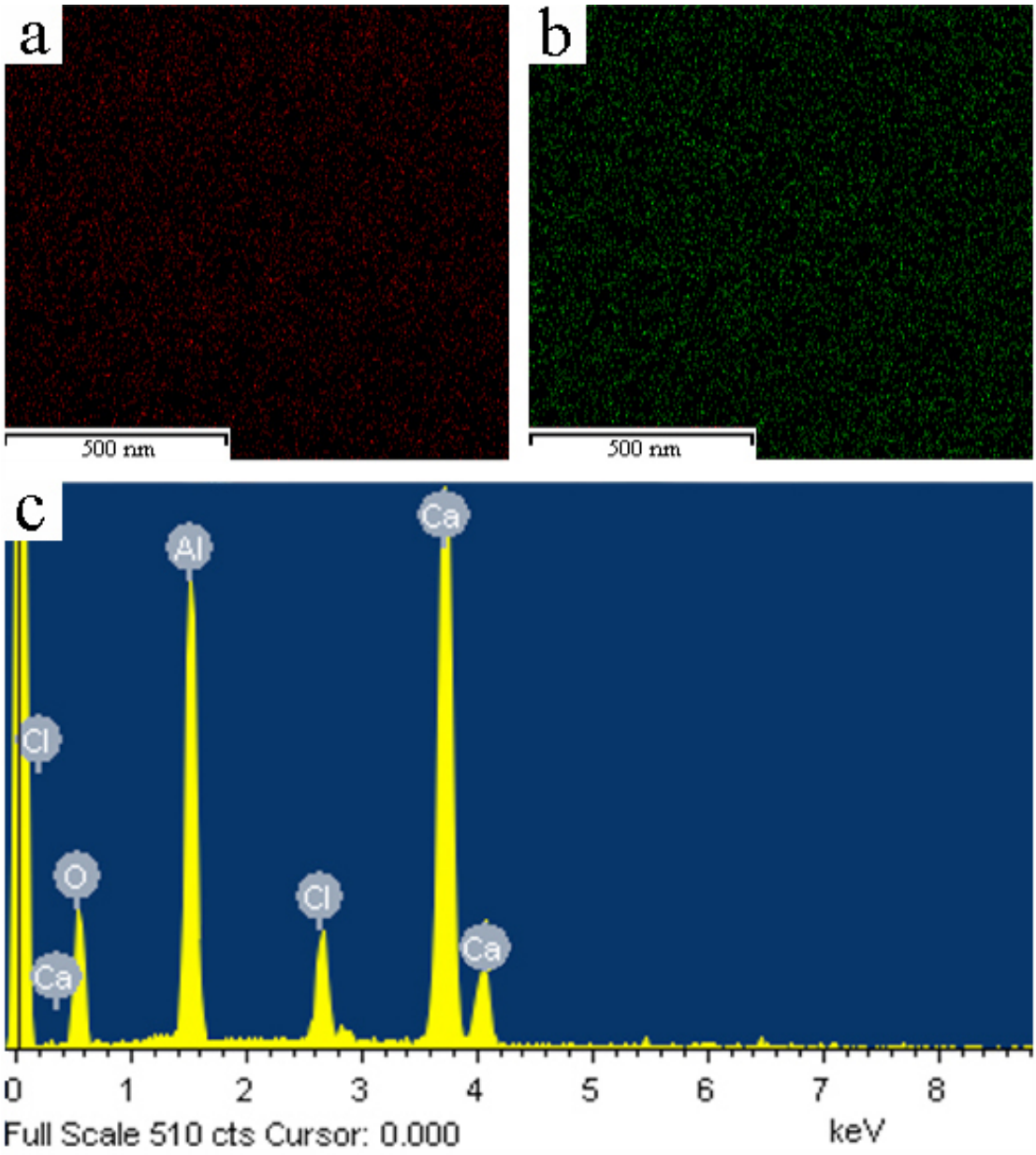

Fig. S3 (a) Ca EDS mapping image, (b) Al EDS mapping image of $CaO/Ca_{12}Al_{14}O_{33}$ hollow sphere sorbents, and (c) their corresponding EDS profile.