Supporting Information

Hollow Mesoporous Silica with Hierarchical Shell from in-situ Synergetic Soft-Hard Double Templates

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Figure S1. Weight loss (solid lines) and its derivative (dashed lines) curves via TGA for the pure silica particles and SOS particles.



Figure S2. FE-SEM micrographs of hollow silica particles obtained under the absence of AIBN when the heating time of keeping 70 $^{\circ}$ C was A) 0 h, B) 1 h



Figure S3. (A) FE-SEM photos, (B) TEM image, (C) static water contact angle of the particulate film of SOS obtained with KPS initiator.



Figure S4. BET measurement of N_2 adsorption/desorption isotherms of HOS particles. The inset is the pore size distribution.