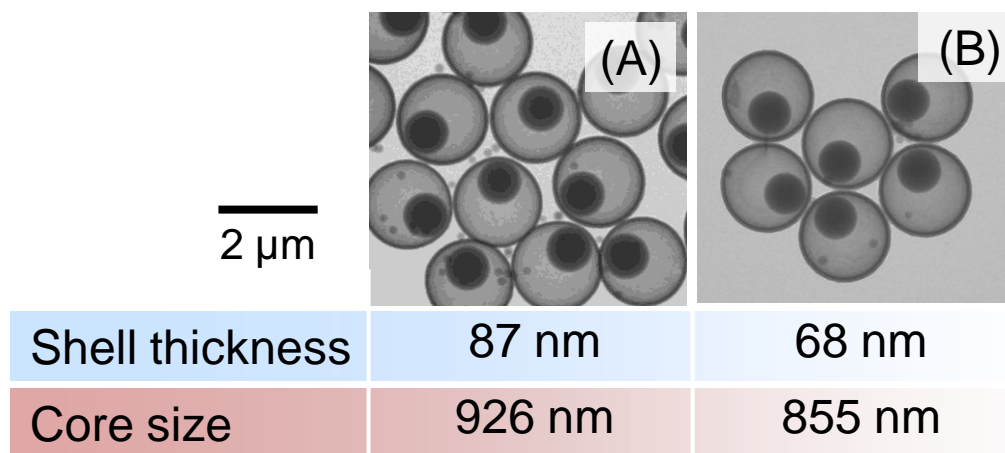


**Figure S1** TEM image of silica rattle particles without secondary silica particles



**Figure S2** TEM images of rattle particles before (A) and after (B) the immersion to basic solution, respectively.