

Improved porosity and ionic sorption capacity of carbon particles prepared by spray pyrolysis from sucrose/NaHCO₃/TEOS aqueous solution

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- (1) Schematic diagram of ultrasonic spray pyrolysis used for the preparation of carbon spheres.
- (2) EDX results of SPC10 carbon particles before and after the ultrasonic washing using purified water.
- (3) Elementary mapping of SPC05 and SPC15 carbons obtained after the ultrasonic washing using purified water.
- (4) TEM images of the as-prepared SPC10 carbon particles before the washing.

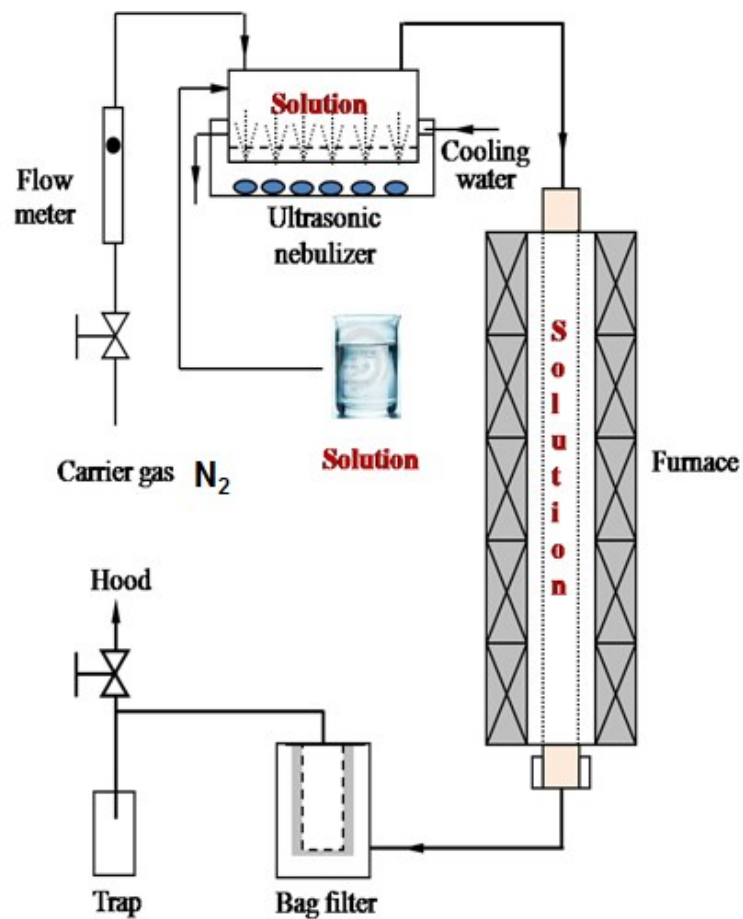


Fig. S1 Schematic diagram of ultrasonic spray pyrolysis used for the preparation of carbon spheres.

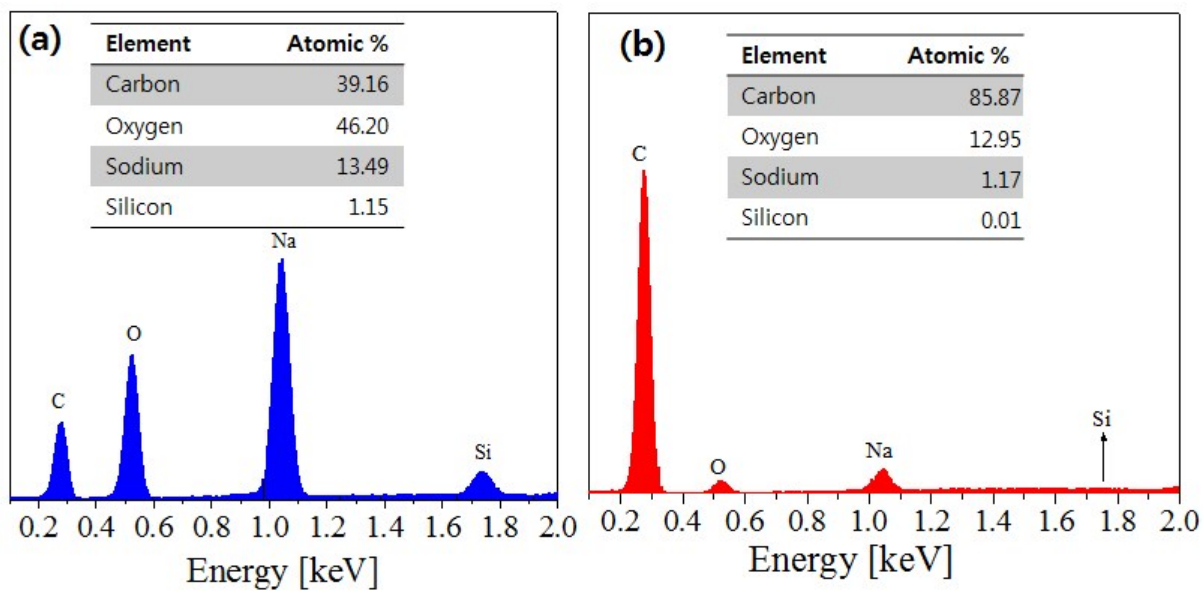
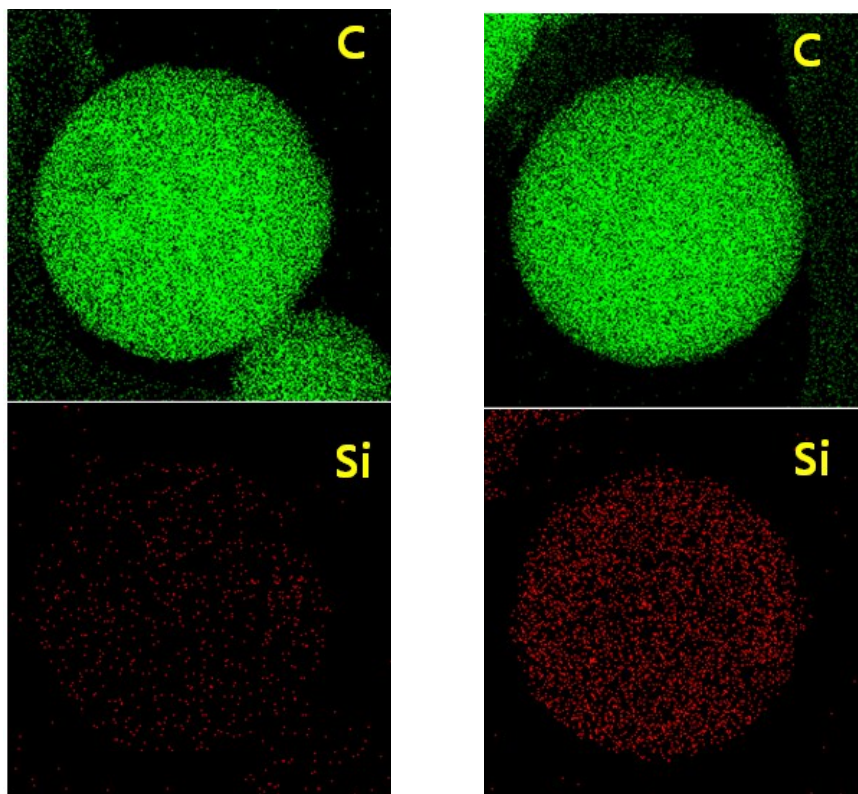


Fig. S2 EDX results of SPC10 carbon particles before (a) and after (b) the ultrasonic washing using purified water.



(a) SPC05

(b) SPC15

Fig. S3 Elementary mapping of SPC05 and SPC15 carbons obtained after the ultrasonic washing using purified water.

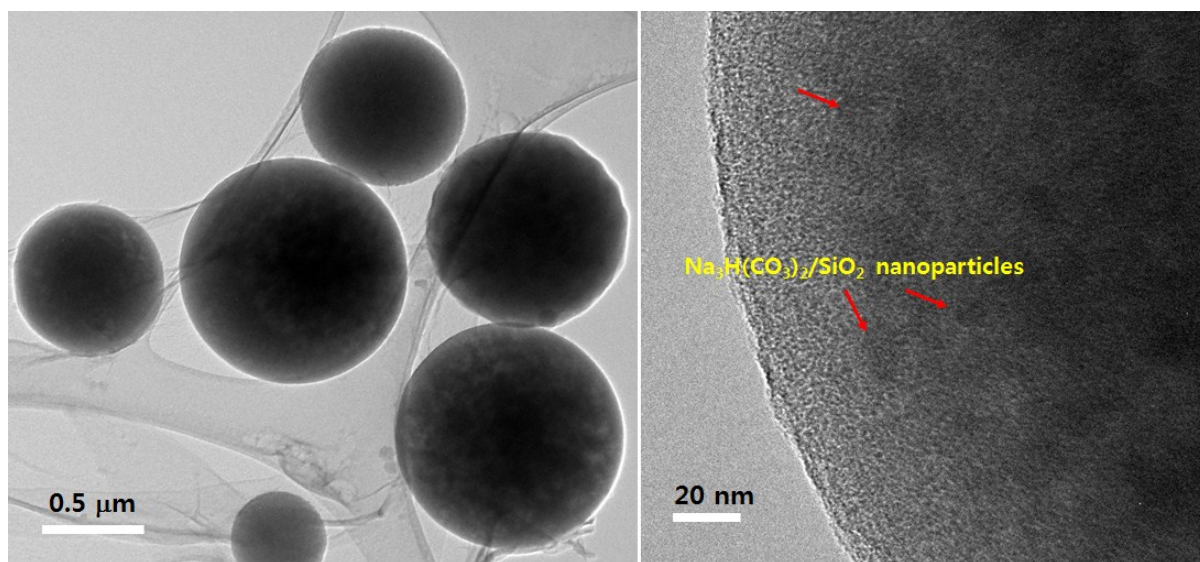


Fig. S4 TEM images of the as-prepared SPC10 carbon particles before the washing.