

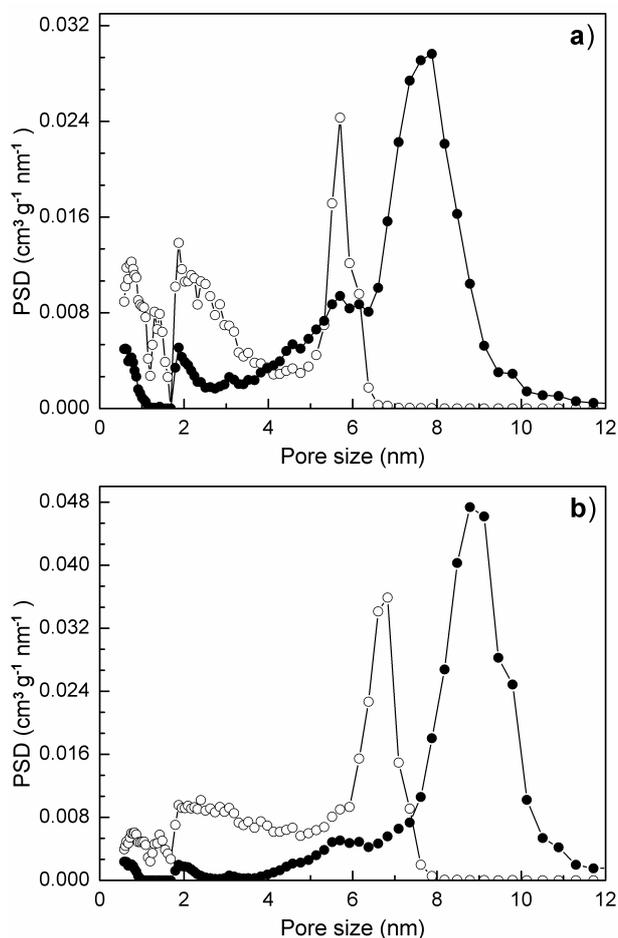
Electronic Supplementary Information for Kleitz *et al.*

Fig. S1 Pore size distributions of cubic silica mesophases with *fcc* (a) or *bcc* (b) structures after conventional calcination at 550 °C (open circles) or the treatment with H₂SO₄ followed by calcination at 250 °C (solid circles). All PSD of these materials were calculated from their Ar physisorption isotherms measured at 87 K by using the NLDFIT method.

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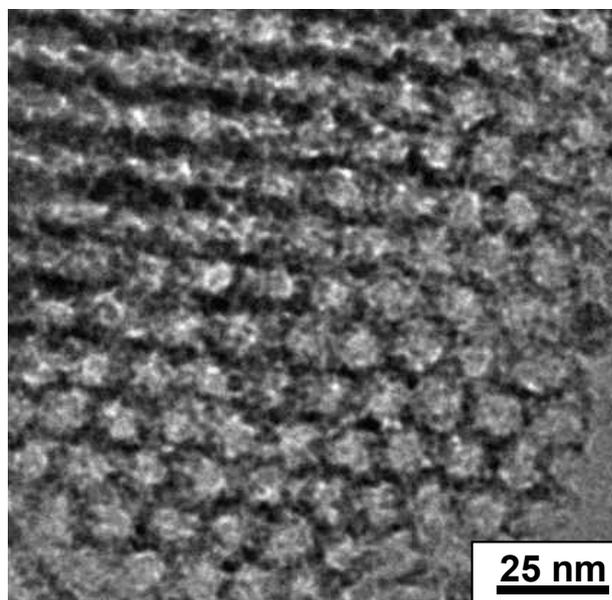


Fig. S2 TEM images of the cubic *bcc* silica obtained after H₂SO₄ treatment and subsequent calcination at 250 °C viewed along [111] axis.

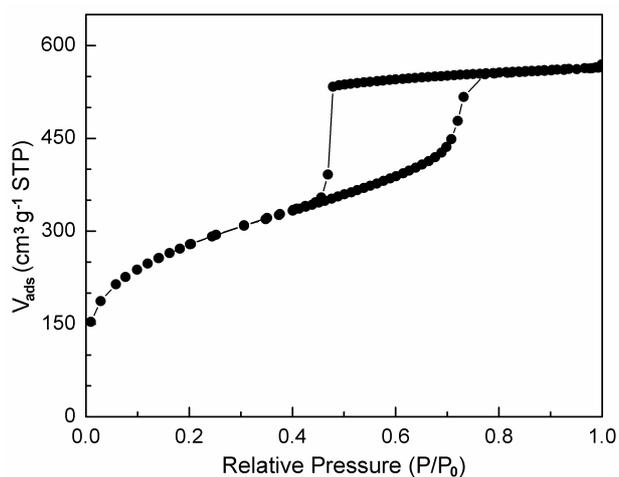


Fig. S3 Nitrogen physisorption isotherm of cubic silica mesophase with *bcc* structure after ethanol extraction.

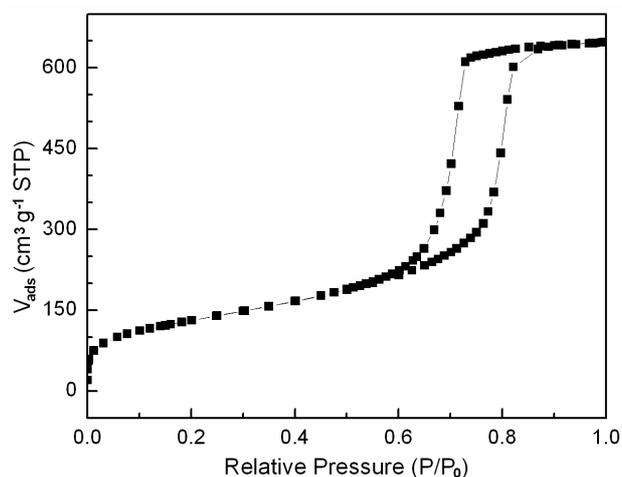
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Fig. S4 Nitrogen physisorption isotherm of cubic silica mesophase with *bcc* structure after microwave digestion in a solution of $\text{H}_2\text{O}_2/\text{HNO}_3$ at 150°C . For the microwave digestion, 0.5 g of the as-synthesized powder is placed in a teflon liner where a mixture of 4 ml HNO_3 (15 M, 65%) and 2 ml H_2O_2 (30%) is then added. The mixture is then exposed 15 minutes to microwave irradiation at 150°C using a CEM Mars microwave apparatus.