

Supporting Information

Functionalized Boron Nitride Porous Solids

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Experimental Details:

i-hBN was prepared by using an “improved method” reported elsewhere. For the synthesis of i-hBN, 250 mg of h-BN (commercial, Sigma Aldrich) was dispersed in a 9:1 mixture of $\text{H}_2\text{SO}_4:\text{H}_3\text{PO}_4$ and stirred at 50°C for 2 hrs. 1.5 g of KMnO_4 (Sigma Aldrich) was then added to the mixture in parts. Upon addition of KMnO_4 , the color of the solution changed from white to violet after which the mixture was subjected to continuous stirring overnight. The mixture was then poured over ice and then 10-12 mL H_2O_2 added which resulted in effervescence and evolution of whitish color. The precipitate was then transferred out; it was washed two times with 200 ml of water, 200 ml of 30wt% HCl and 200 mL ethanol.

Supporting Figures:

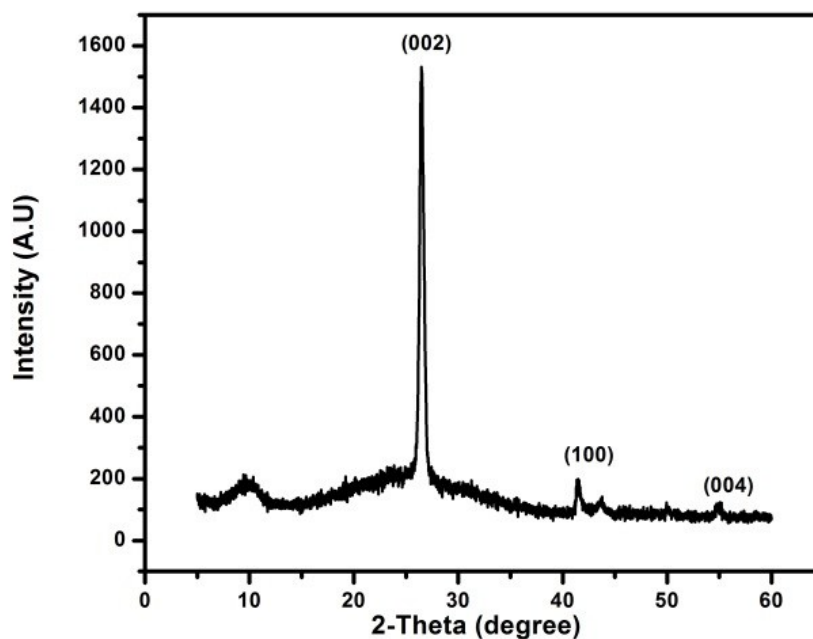


Figure S1. XRD pattern of h-BN foam.

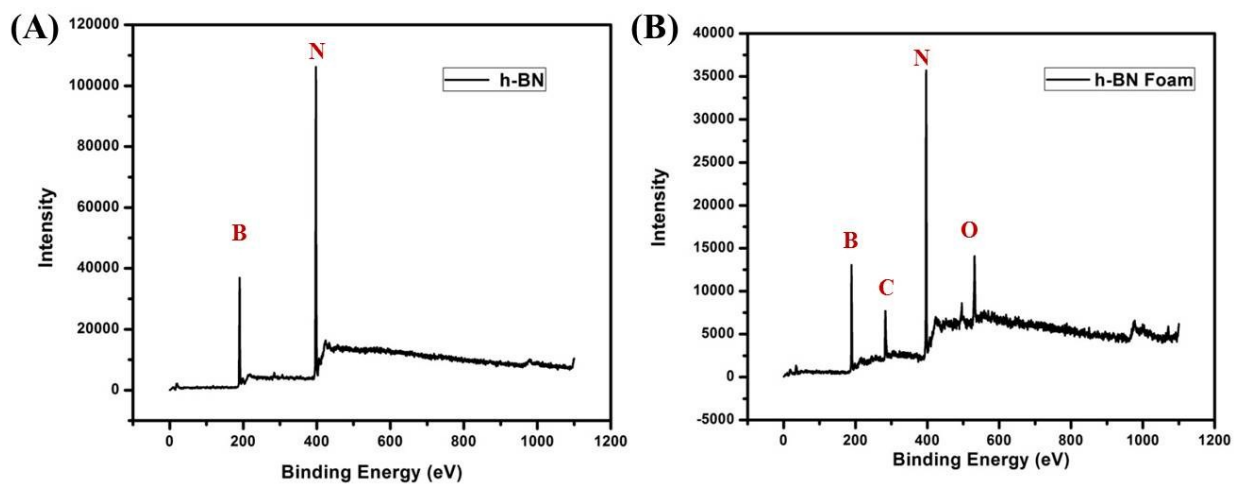


Figure S2. XPS Spectrum of (A) pristine h-BN (B) h-BN foam

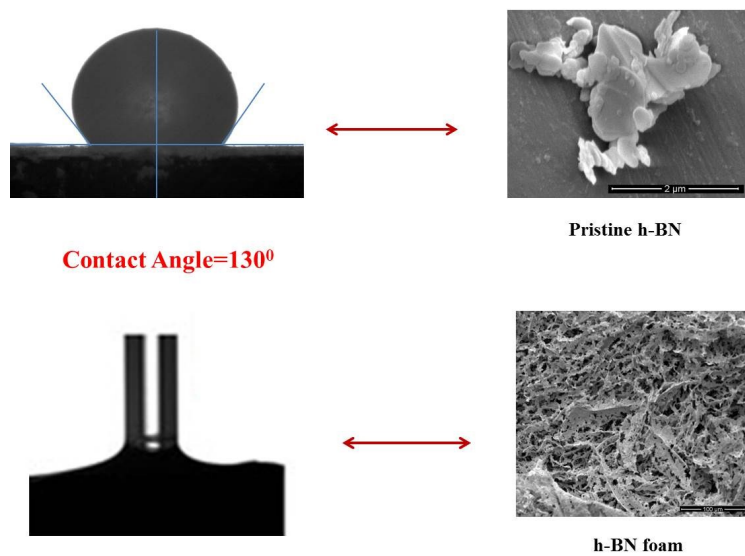


Figure S3. Contact Angle measurements in pristine h-BN and h-BN foam.