Figure S1: XRD patterns of the different samples (a) Pure h-BN sintered at 1000°C for 3 hrs (b) 90BN-10B₂O₃, and (c) 10BN-90B₂O₃.
Figure S2: FTIR pattern of the samples (a) Pure h-BN sintered at 1000°C for 3 hrs
(b) 90BN-10B₂O₃, and (c) 10BN-90B₂O₃
Figure S3: The XPS spectra of porous $h$-BN showing two separate peaks of B and N.
along with trace amount of the peaks of C and O
Figure S4: Digital images of contact angles measurements with DI water of the samples (a) Pure h-BN (b) 90BN-10B₂O₃ and (c) 50BN-50B₂O₃.