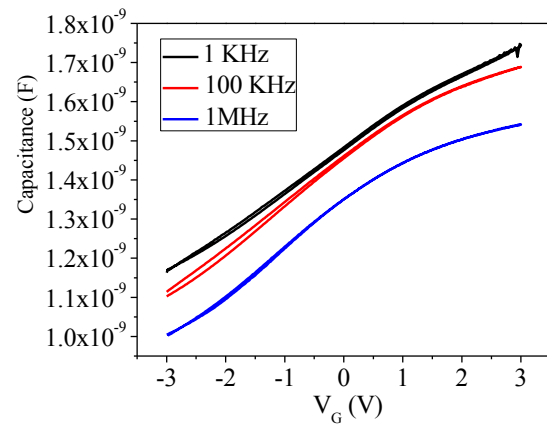
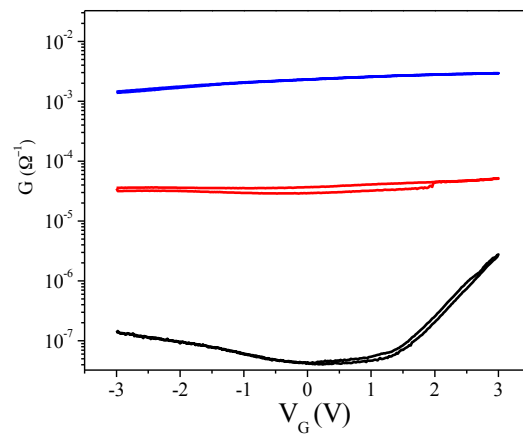


Fig. 1 XRD pattern of the Si/GaN and Si/Al₂O₃/GaN heterostructures ,

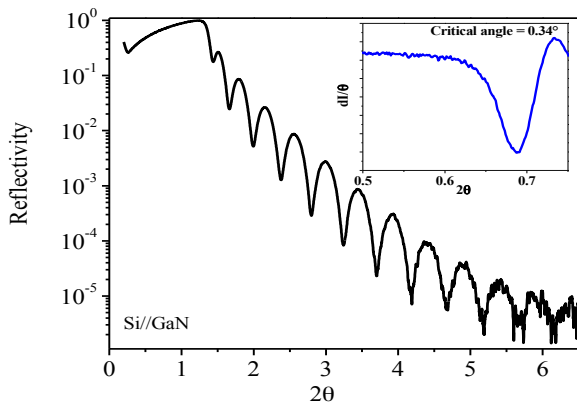


(a)

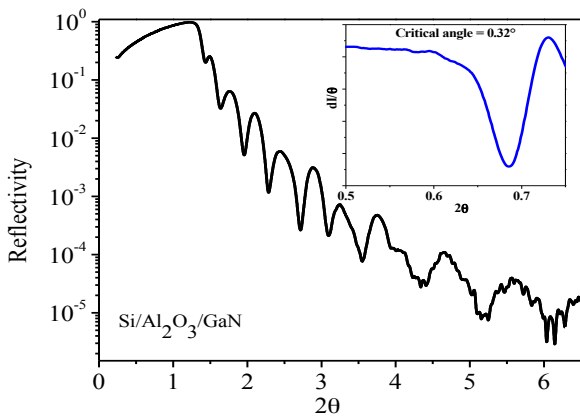


(b)

Fig. 3 C-V characteristics (a) and G-V characteristics (b) of Si/Al₂O₃/GaN.



(a)



(b)

Fig. 2 X-ray reflectivity of Si//GaN (b) si/AL₂O₃/ GaN