

Figure 1. Nanohardness as a function of Si-dose

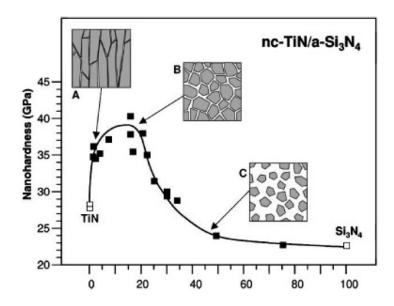


Figure 2. Hardness of nanocrystalline-TiN/amorphous- $Si_3N_4$  as a function of Si-nitride fraction. Inset illustrates the