Secondary ion mass spectrometry investigation of carbon grains formation in boron nitride epitaxial layers with atomic depth resolution

Electronic Supplementary Information

The following figures presents an example of a lateral distribution of carbon, boron and nitrogen (a, b and c, respectively) for BN layers (counting from the surface) for a sample grown under high and low reactor pressure (Self-terminated and 3D mode respectively). For 3D mode only 6 out of 68 layers are presented.

Figure 1: Self-terminated, layer 1

Figure 2: Self-terminated, layer 2

Figure 3: Self-terminated, layer 3
Figure 9: 3D mode, layer 23

Figure 10: 3D mode, layer 34

Figure 11: 3D mode, layer 45

Figure 12: 3D mode, layer 56