Effects of Al addition to Si-based flux on the growth of 4H-SiC films by vapour-liquid-solid pulsed laser deposition


a Department of Applied Chemistry, Tohoku University, Sendai, 980-8579, Japan.
b National Institute of Advanced Industrial Science and Technology, Ibaraki 305-8569, Japan

*Corresponding authors

Supporting information

Figure S1. The thickness of SiC films plotted as a function of deposition time. A good linear relationship between them gives a VLS growth rate of ~25μm/h in average under the present deposition conditions.
Figure S2. A typical Raman spectrum for a film obtained by depositing SiC without flux at 1250 °C, along with its SEM image (inset).