

Electronic supplementary information

One-step synthesis of AlN branched nanostructures by an improved DC arc discharge plasma method

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The crystal structure of the products was examined by X-ray diffraction (XRD) measurements using Cu K α radiation (Fig. S2). All observed peaks can be indexed to a pure hexagonal phase [space group: P6₃mc (186)] of AlN (JCPDS file No. 08-0262).

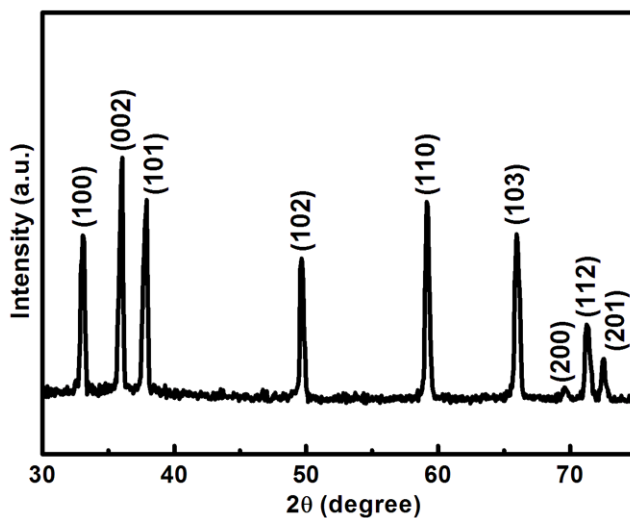


Fig. S1 The corresponding X-ray powder diffraction pattern of the as-synthesized AlN branched nanostructures.