

Electronic Supplementary Information

**Homogeneous dispersion and enhanced thermal property of polystyrene-layered
double hydroxide nanocomposites prepared by in situ reversible
addition-fragmentation chain transfer (RAFT) polymerization**

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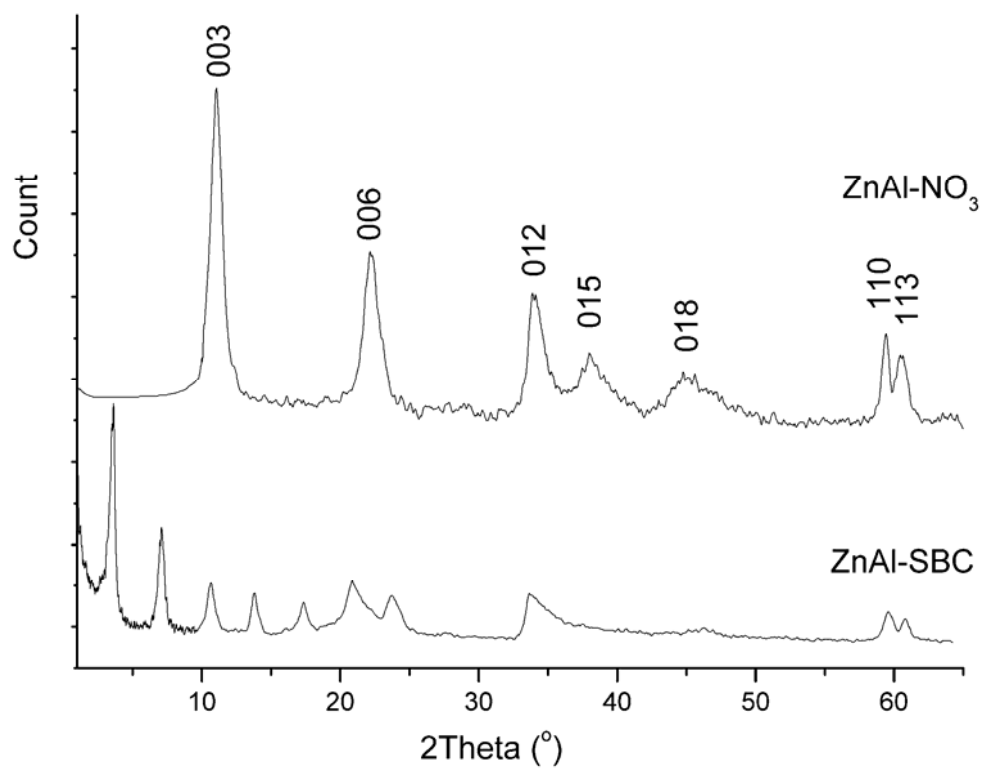


Figure S1. XRD patterns of the ZnAl-NO₃ and ZnAl-SBC samples.

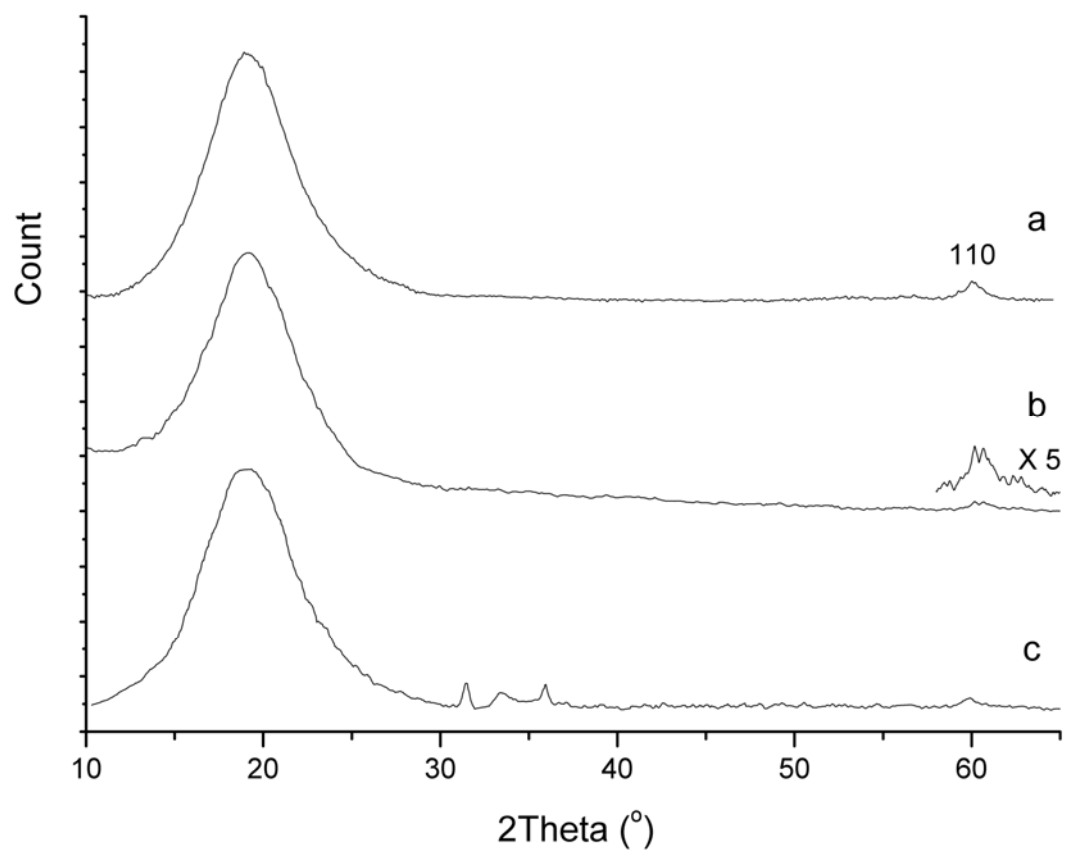


Figure S2. Wide-angle XRD patterns of the samples: a) NC2, b) NC1, and c) PS/LDH samples with 1 wt% LDH loading reacted for 1 h.

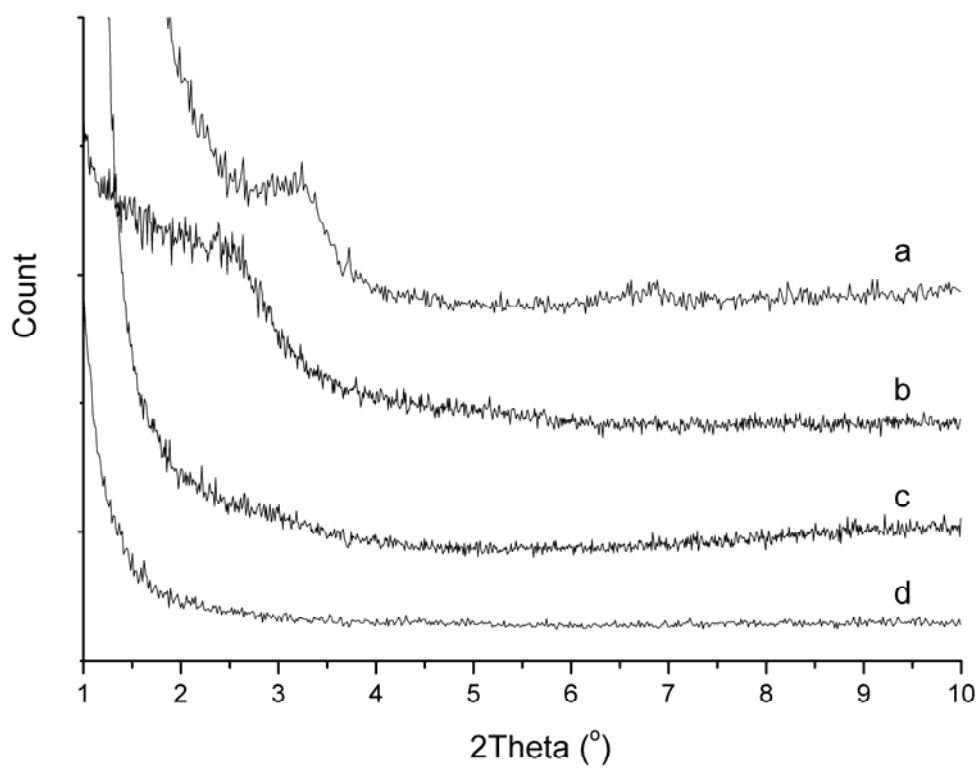


Figure S3. XRD patterns of PS/LDH samples with 1 wt% LDH reacted for a) 1 h, b) 2 h, c) 3 h, and d) 24 h.