Electronic Supporting Information

Oriented Growth of Large-Scale Nickel Sulfide Nanowire Arrays via General Solution Route for Lithium-Ion Battery Cathode Applications

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Fig. S1. SEM images of the products grown on the nickel substrate in typical reaction conditions carried out (A) under Ar flow and (B) in sealed reactor.
Fig. S2. SEM, TEM, HRTEM and SAED analyses of a series of oriented metal chalcogenides nanostructures grown by our method on corresponding metal substrates to indicate the generality of this route: (A) Cu₂S, (B) ZnS, (C) Co₉S₈ and (D) Cu₂Se nanostructures, respectively.

Fig. S3. XRD spectra of the as-grown (A) Cu₂S, (B) ZnS, (C) Co₉S₈ and (D) Cu₂Se nanostructures.