

Supporting Information for

A versatile protocol for ionothermal synthesis of
nanostructured nickel compounds as energy storage
material from a choline chloride-based ionic liquid

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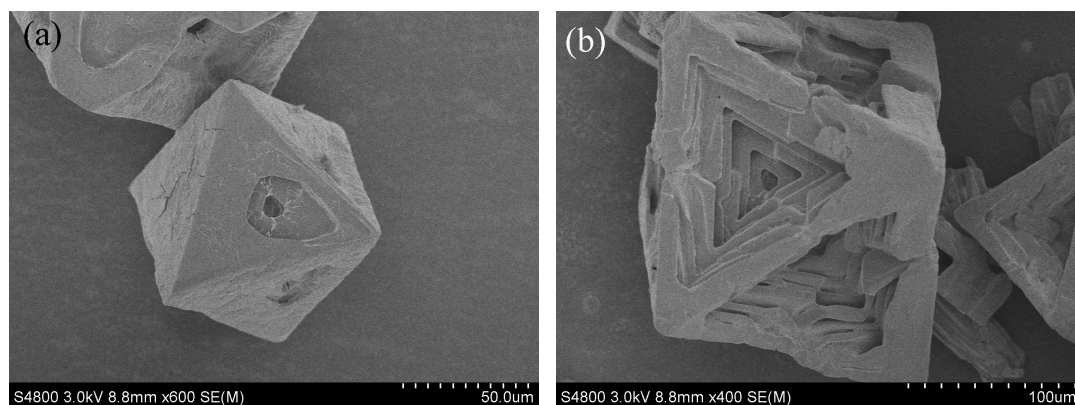


Figure S1 SEM images of the octahedral $\text{Ni}[\text{NH}_3]_6\text{Cl}_2$ crystals with an open structure.

Figure S1 (a) and (b) give the SEM images of the as-prepared $\text{Ni}[\text{NH}_3]_6\text{Cl}_2$ crystals. All $\text{Ni}(\text{NH}_3)_6\text{Cl}_2$ crystals shown in the SEM images exhibit the octahedral geometry with an open structure. However, the crystals shown in Figure S1a and b have different inner structures, which might be at different growth stages. The smaller octahedron in Fig S1a corresponds to the stage when exfoliation of (111) facets begins. The larger one in Fig S1b corresponds to the stage when the growth mechanism is dynamically controlled and the edges continue to grow (see Figure 3 and corresponding discussions in the article).