

## 複合層状複水酸化物の合成と評価

### (Preparation and Properties of Composite Layered Double Hydroxides)

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Layered double hydroxides (LDHs) are in a class of layered materials with positively charged layers of which charge is compensated by the interlayer anions. Synthesis of LDHs has been widely studied and especially coprecipitation of metals at constant pH was most widely used method. In this study, however, we have showed that it is possible to obtain well-crystallized LDHs at moderately higher temperatures in short synthesis time. Ion exchange and exfoliation behavior of the LDHs were investigated. In addition, electrochemical response of intercalated LDHs was set in research.

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