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The rapid coagulation of graphene oxide on La-doped layered double hydroxides

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Abstract:

Since graphene oxide (GO) has been found to be one of the toxic graphene-based nanomaterials, the environmental behavior of GO has been studied extensively in aqueous solution systems. In this work, the large ionic radius lanthanum (La) was doped onto the layered double hydroxides (LDHs), which was conducive to remove the negatively charged GO. The results showed that the coagulation of GO on

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