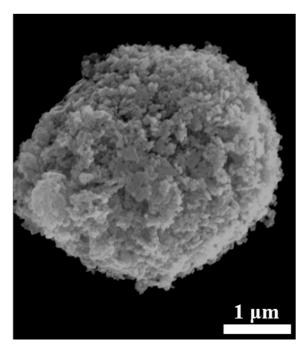
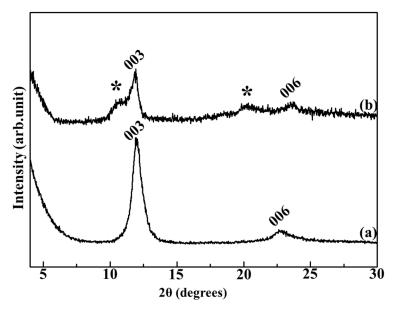
## **Supplementary Materials**



**Figure S1.** Scanning electron microscopic (SEM) image of Layered double hydroxide (LDH) nanopar ticles in powder form.



**Figure S2.** X-ray diffraction pattern of MgAl-CO<sub>3</sub>-LDH (a) before and (b) after treated in chromate solution (1200 ppm). Asterisks (\*) stand for the peak from LDH partially intercalated by chromate.



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