

Surfactant-assisted synthesis of metallic cadmium, cadmium hydroxide nanostructures and their electrochemical charge storage properties

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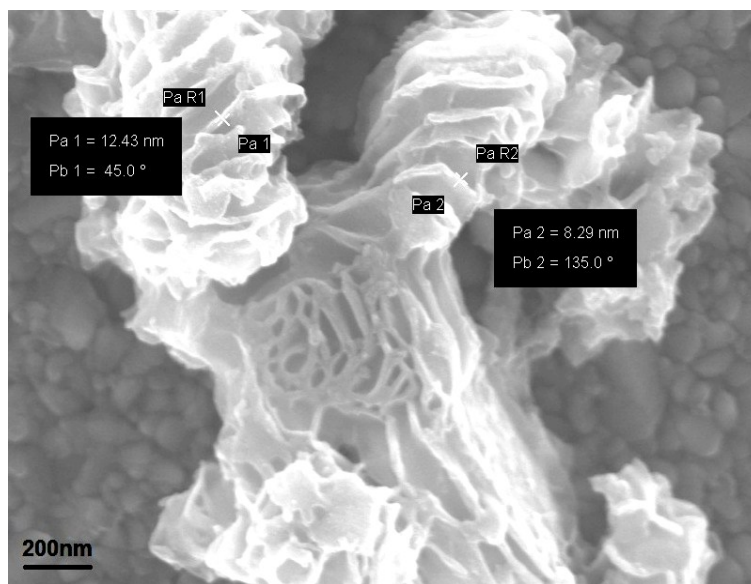
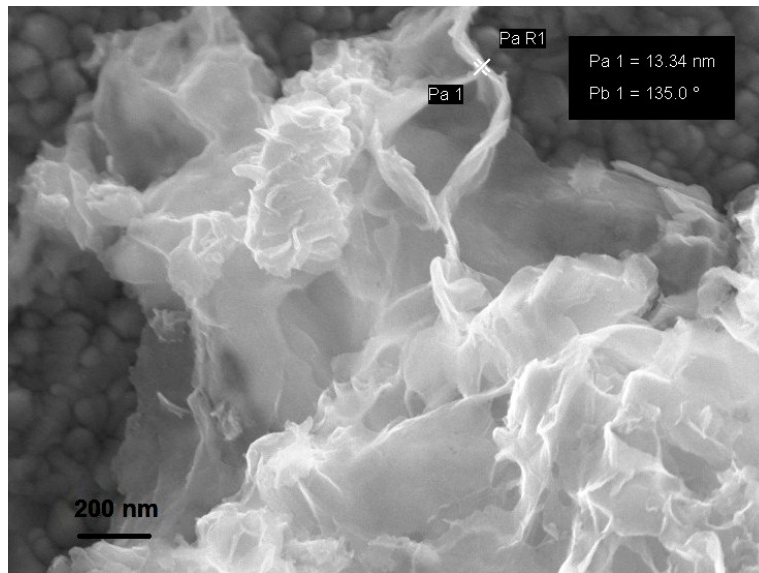
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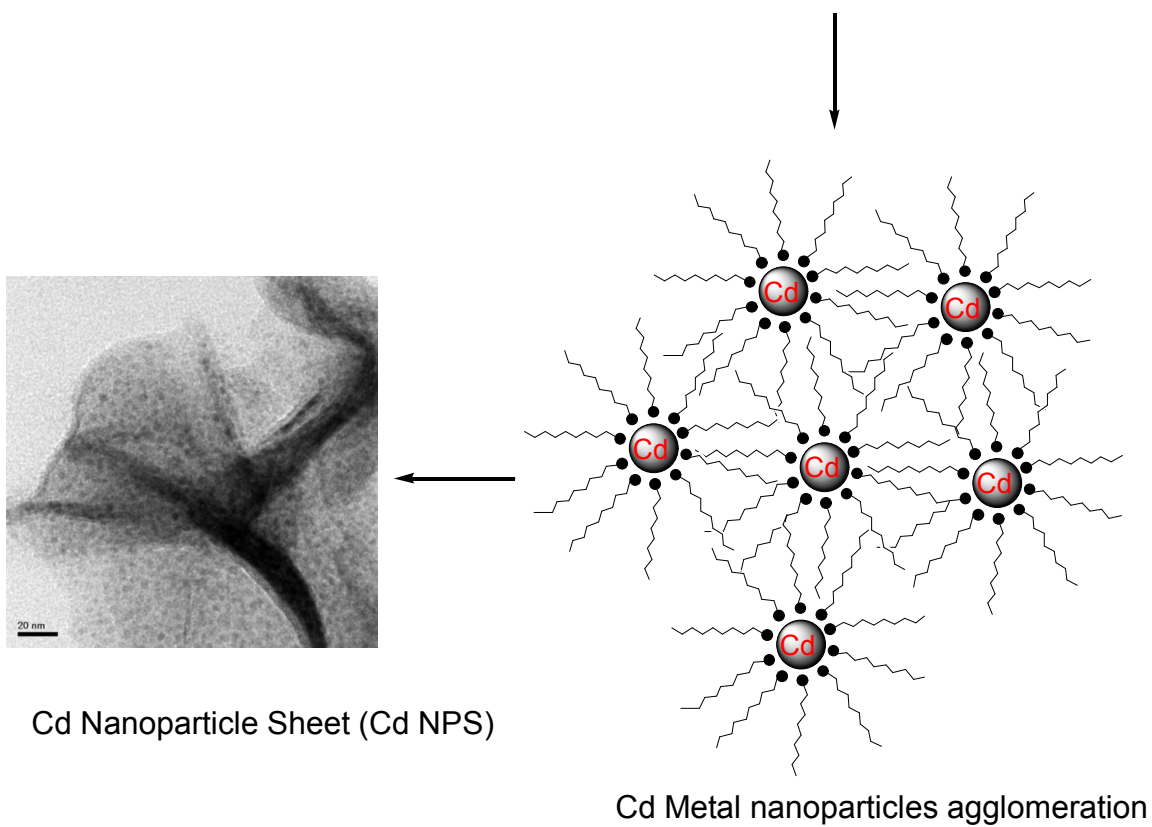
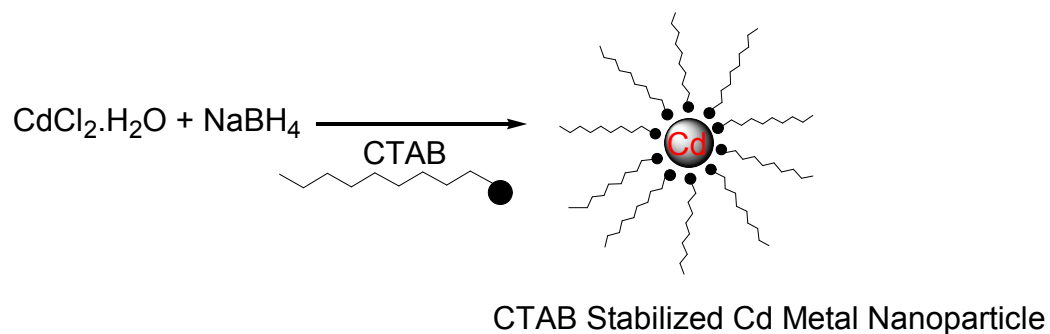
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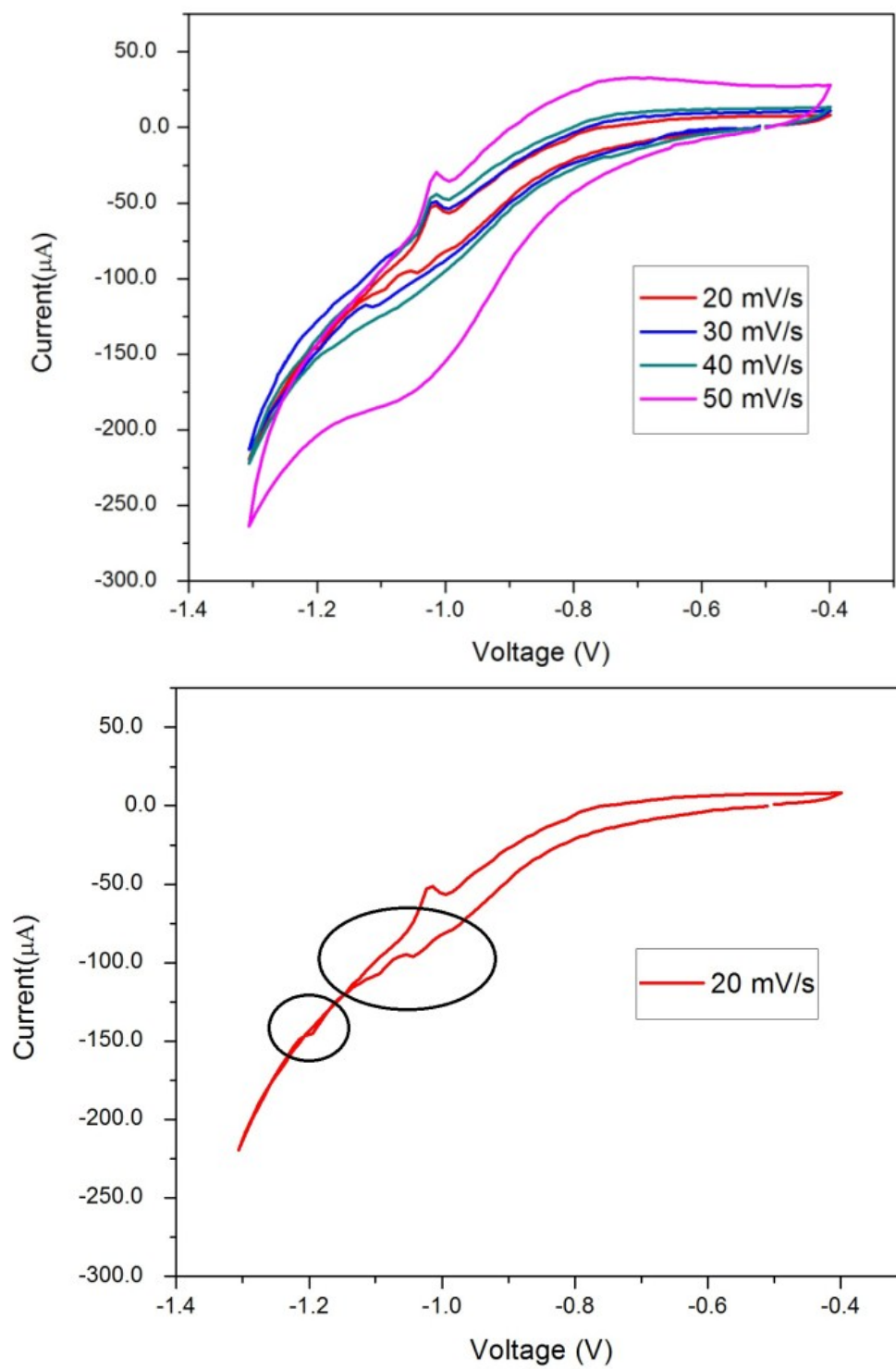
S1: FESEM images of Cd nanoparticle sheets (Cd NPS)



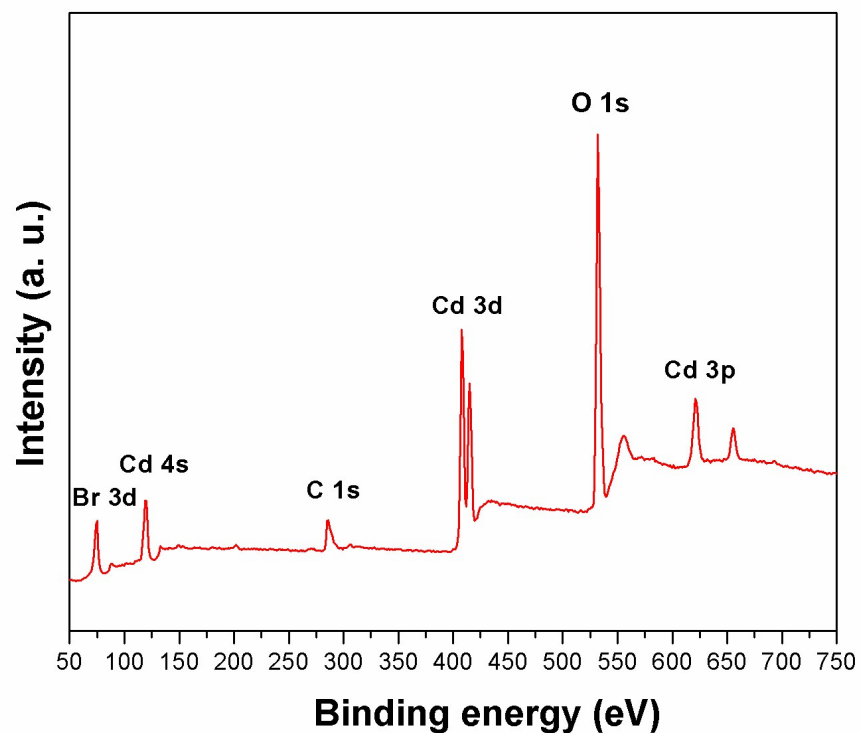
S2: Growth mechanism of Cd nanoparticle sheets (Cd NPS) from precursors



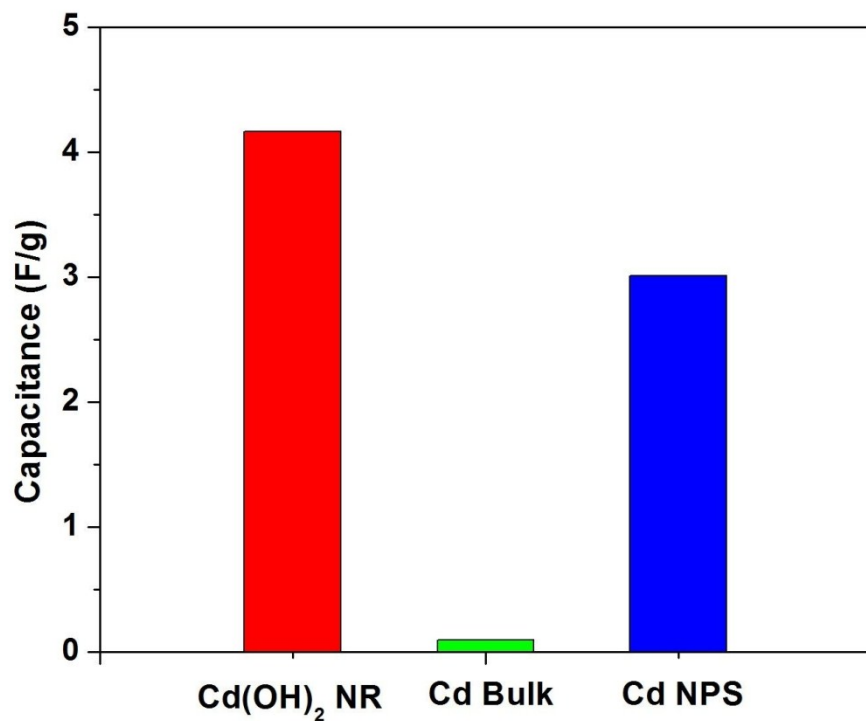
S3: Cyclic voltammogram of Cd NPS at different scan rates (black circles indicate successive peaks correspond to single-electron capacitive charging of cadmium metal nanoparticles/nanoclusters)



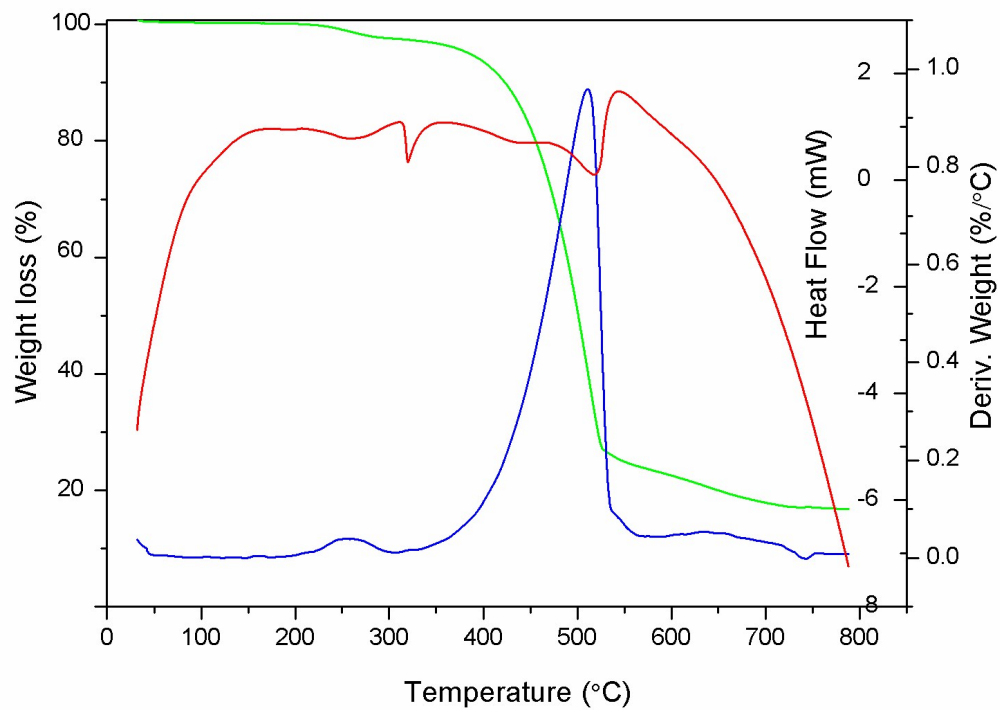
S4: Wide survey XPS spectrum of Cd(OH)₂ NR



S5: Bar chart comparison of specific capacitance values of Cd NPS, Cd bulk and Cd(OH)₂ NR obtained from cyclic voltammetry curves recorded at 50 mV/s scan rate



S6: TGA and DTA curves of the Cd NPS



S7: TGA and DTA curves of the Cd(OH)₂ NR

