Supporting Information

One-pot Synthesis of Sandwich-like Reduced Graphene Oxide@ CoNiAl Layered Double Hydroxide with Excellent Pseudocapacitive Properties

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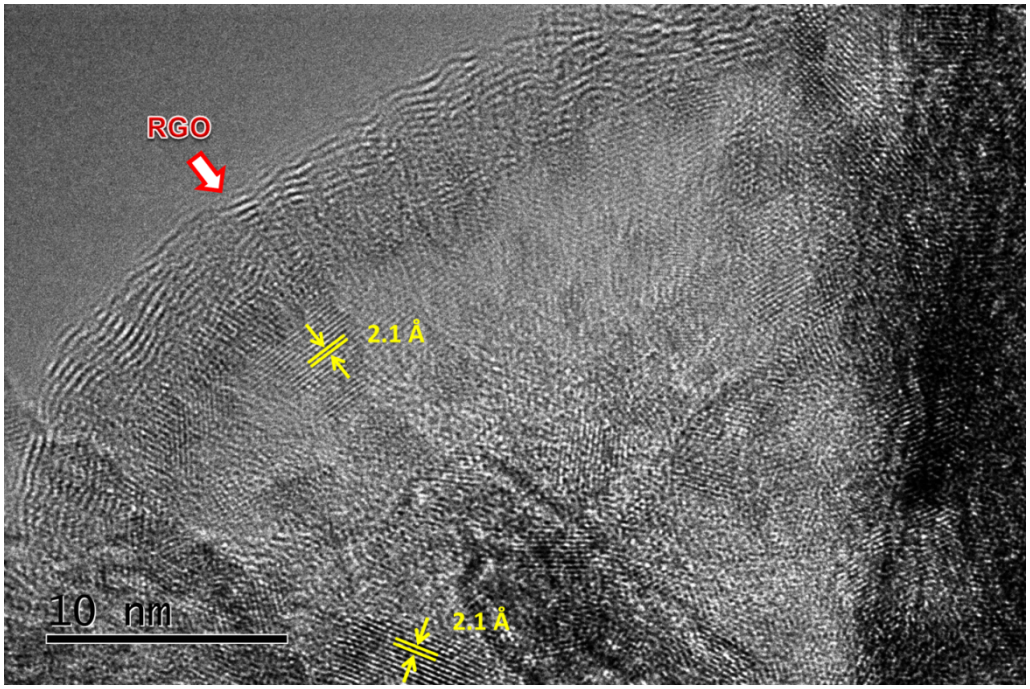

Fig. S1 HR-TEM image of RGO(25)@CoNiAl-LDH

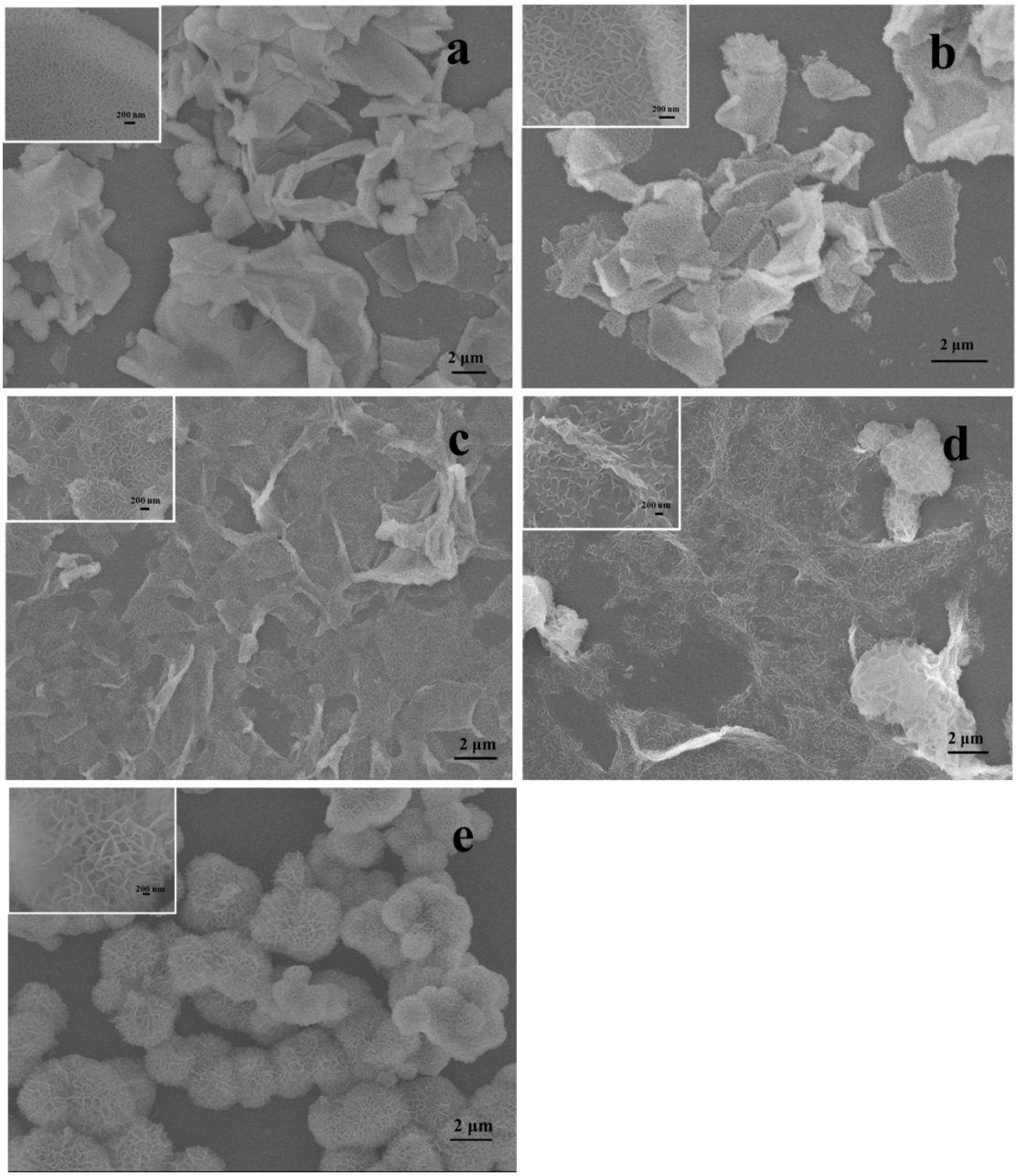

Fig. S2. SEM images of RGO(X)@CoNiAl-LDH (a) X=12.5, (b) X=25, (c) X=35, (d) X=50 and (e)X=0

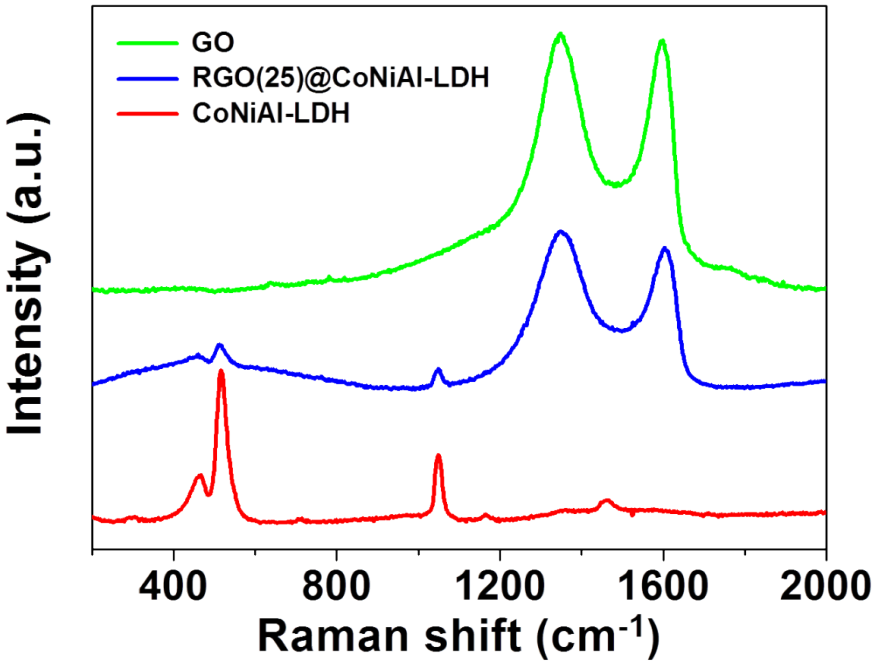

Fig. S3 Raman spectra of GO, RGO(25)@CoNiAl-LDH and CoNiAl-LDH

Table S1 Specific capacitance comparisons of RGO(25)@CoNiAl-LDH in this study with other materials for pseudocapacitors

Material	Current density/ A/g	Specific capacitance/ F/g	Reference
RGO(25)@CoNiAl-LDH	**10**	**1360**	**This study**
Hollow layered double hydroxide microspheres	**2**	**735**	**17**
Sandwich-type three-dimensional layered double hydroxide nanosheet array/graphene composite	**10.71**	**984**	**29**
3D porous layered double hydroxides grown on graphene	**6**	**755.6**	**37**
MWCNT-doped NiCoAl-layered double hydroxide nanosheets	**10**	**597**	**40**
Graphene/CoAl-layered double hydroxide composites	**10**	**516.8**	**46**
Flower-like Fe_3O_4@C@layered double hydroxide (LDH) composite	**10**	**406**	**47**