Supporting Information

Waste *Citrus reticulata* Assisted Preparation of Cobalt Oxide Nanoparticles for Supercapacitors

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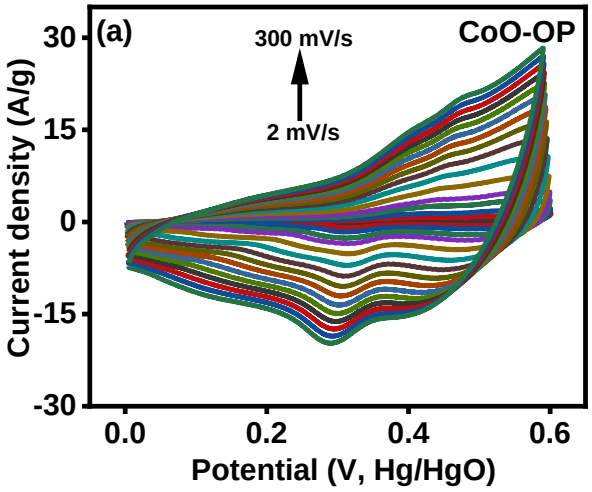

Figure S1: The CV scan curve from 2 to 300 mV/s for prepared (a) CoO-OP.

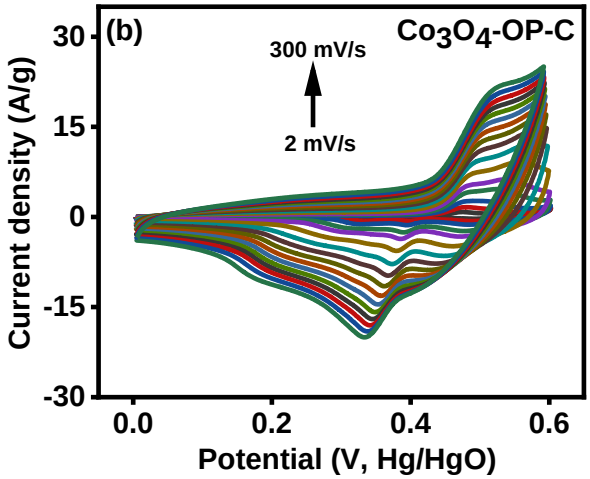

Figure S2: The CV scan curve from 2 to 300 mV/s for prepared (b) Co_3O_4-OP-C.

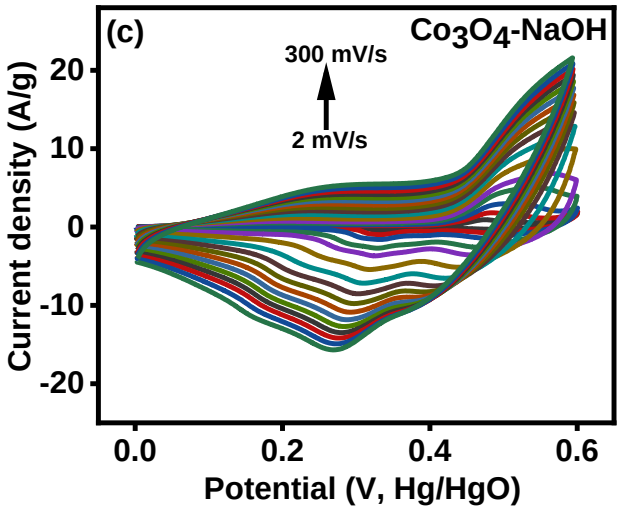

Figure S3: The CV scan curve from 2 to 300 mV/s for prepared (c) Co_3O_4-NaOH.

Table S1: The comparison between specific capacitance (C_{sp}), power density, and energy density of the synthesized samples.

Sample Name	CoO-OP	Co_3O_4-OP-C	Co_3O_4-NaOH	CoO-S-OP	Co_3O_4-S-OP-C	Co_3O_4-S-NaOH	CoO-P-OP	Co_3O_4-P-OP-C	Co_3O_4-P-NaOH
C_{sp} @ 1 A/g	90	53	89	98	87	101	185	100	131
Power density (Wh/Kg)	292	286	284	289	290	294	296	293	293
Energy density (W/Kg)	4.3	2.4	4.0	4.6	4.1	4.8	9.0	4.7	6.2