Electronic Supplementary Material (ESI) for Materials Chemistry Frontiers.

Supporting Information

ZIF-67 Derived Tricobalt tetroxide Induced Synthesis of Sandwich Layered Co_3O_4/NiNH Electrode Material for High Performance Supercapacitors

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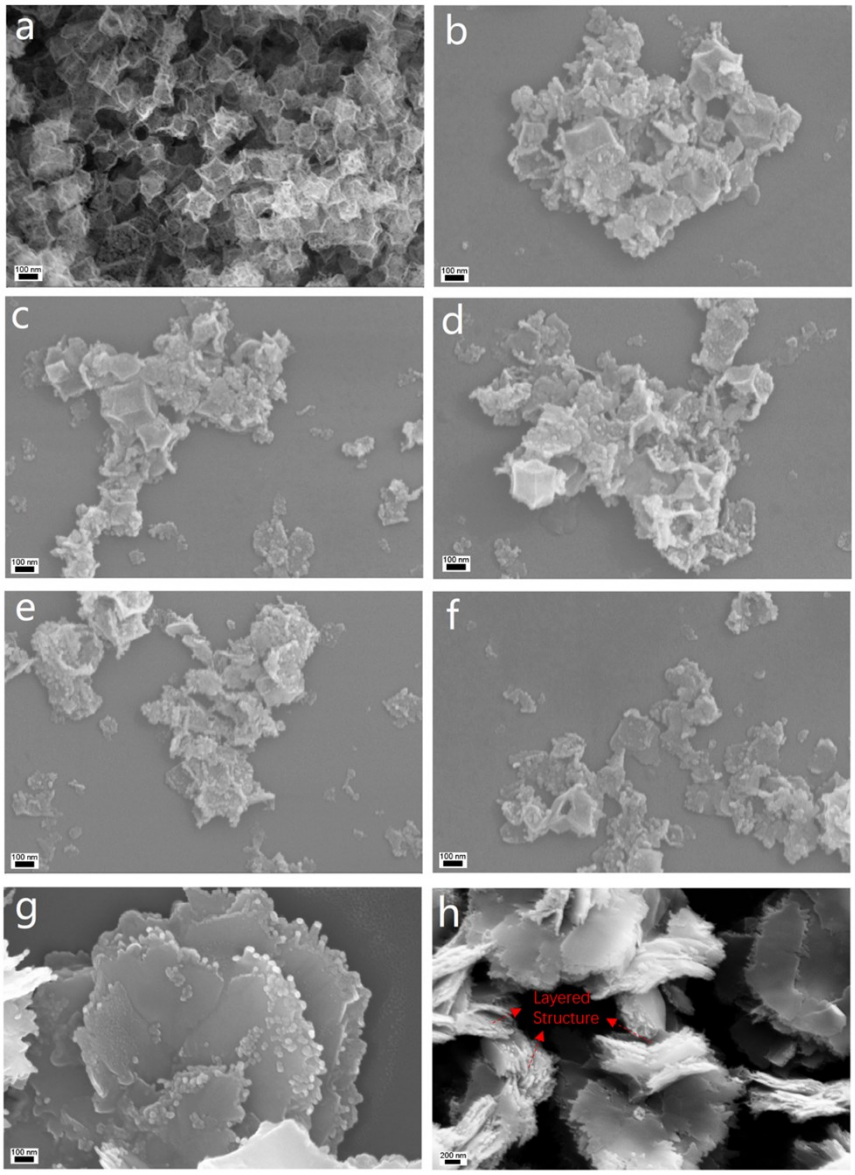

Fig S1. (a) MOF derived Co_3O_4, (b) Co_3O_4/NiNH 1 h, (c) Co_3O_4/NiNH 1.5 h, (d) Co_3O_4/NiNH 2 h, (e) Co_3O_4/NiNH 4 h, (f) Co_3O_4/NiNH 6 h, Co_3O_4/NiNH 12 h (g) and Co_3O_4/NiNH 24 h (h)

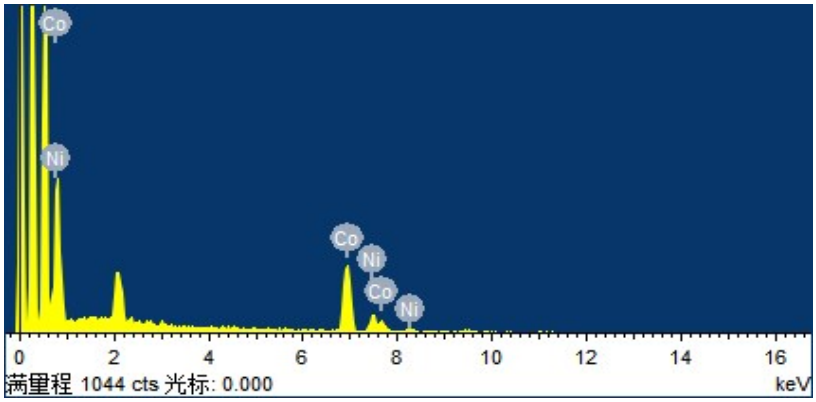

Fig S2. EDS of the Co_3O_4/NiNH

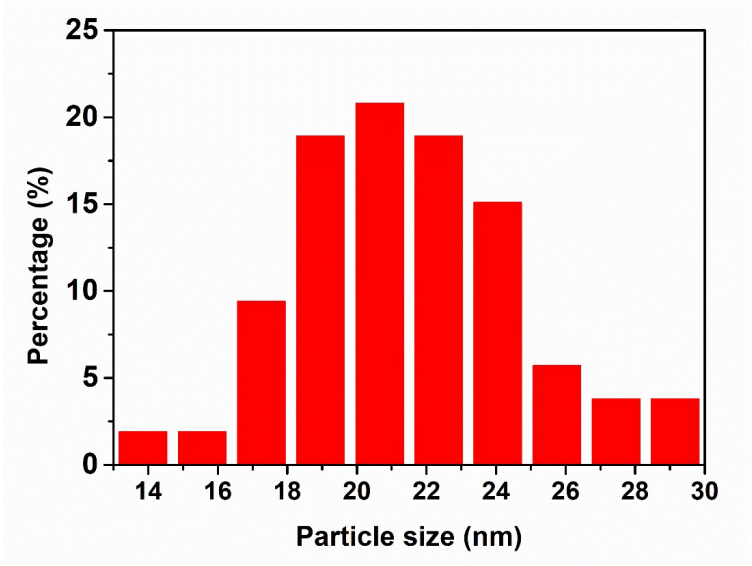

Fig S3. Particle size statistics of Co_3O_4/NiNH

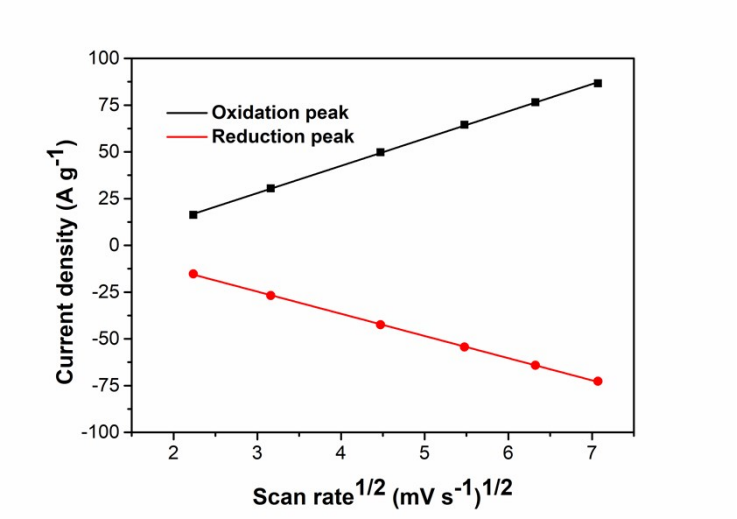

Fig S4. The linear dependence of the oxidation peak and reduction peak current densities vs. the square root of the scan rates for Co_3O_4/NiNH electrode

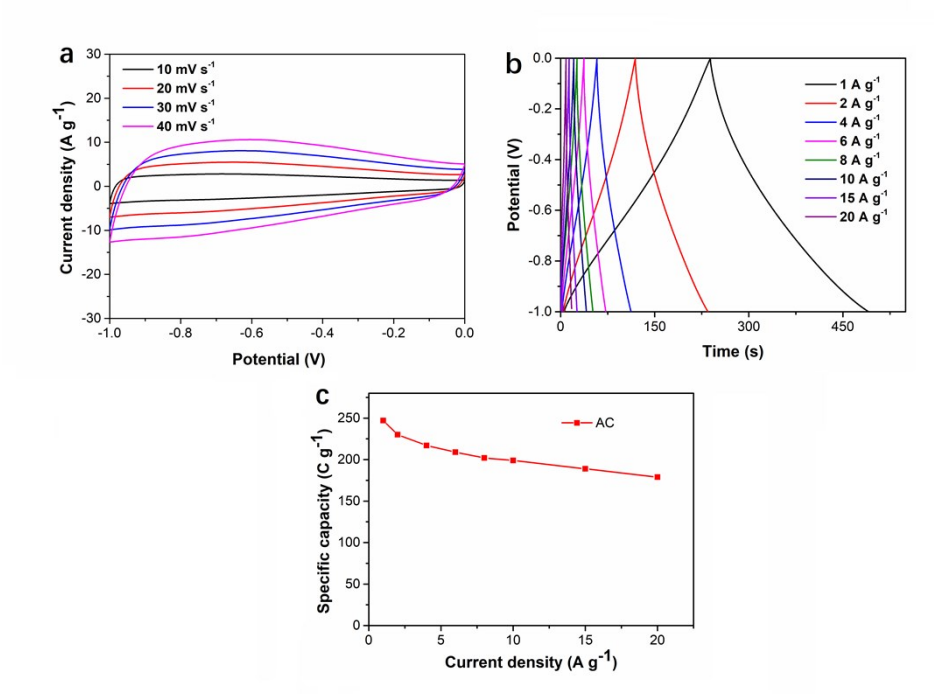

Fig S5. Electrochemical performance of AC electrode, CV curves of AC electrode at different scan rates (a); GCD curves of AC electrode at different current densities(b); the corresponding specific capacities of AC electrode (c)