

Supporting information for

Facile Synthesis of Two-dimensional Layered Ni-MOF Electrode Material for High Performance Supercapacitors

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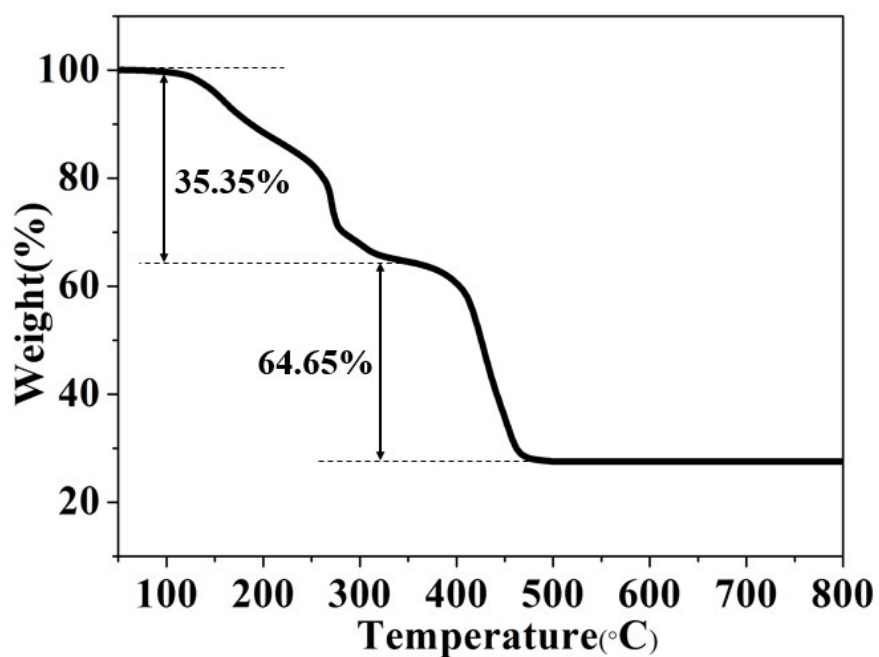


Fig S1 TG patterns of the as-synthesized Ni-MOF.

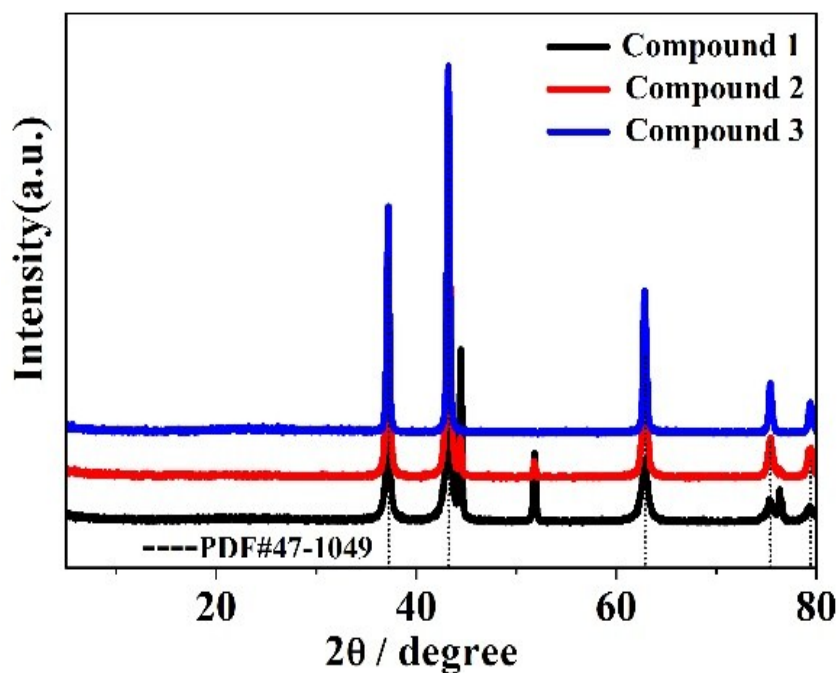


Figure S2 PXRD patterns of different materials obtained from Ni-MOF.

Table S1 The specific capacitance of different materials in three-electrode system at current density of 2 A g⁻¹.

Material	Calcination temperature (°C)	Specific BET surface area (m ² g ⁻¹)	Specific Capacitance (F g ⁻¹)
Ni-MOF	—	436.06	1688.9
Compound 1	400	123	198.7
Compound 2	500	98	82.0
Compound 3	600	60	77.7

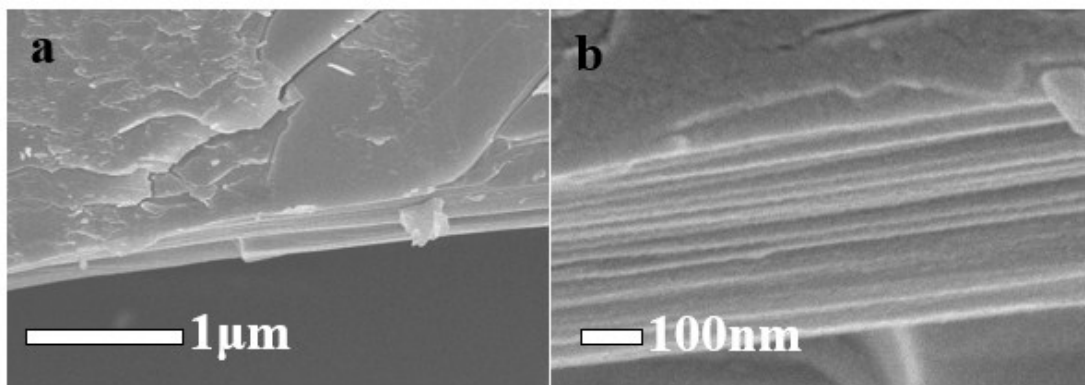


Figure S3 (a and b) The SEM of the 2D Ni-MOF.

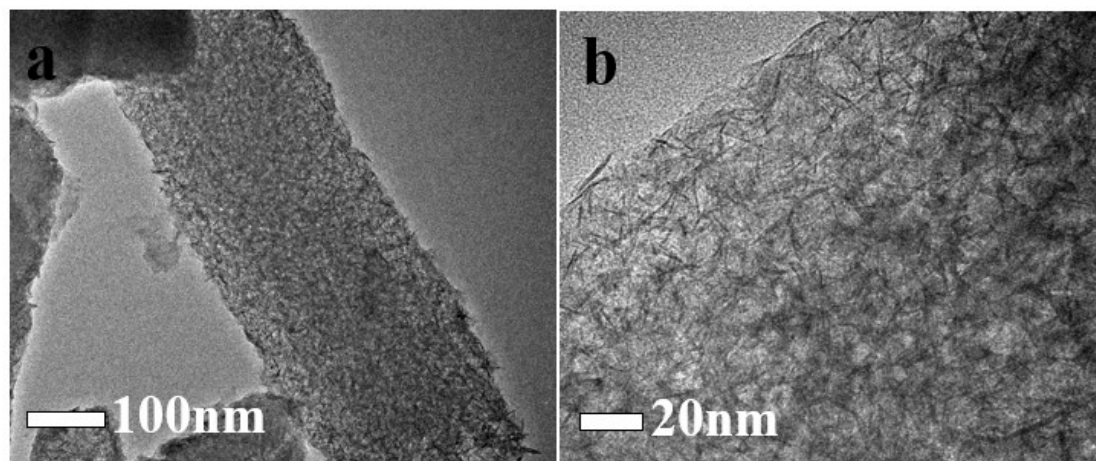


Figure S4 (a and b) TEM images of the Ni-MOF after 5000 charge-discharge.

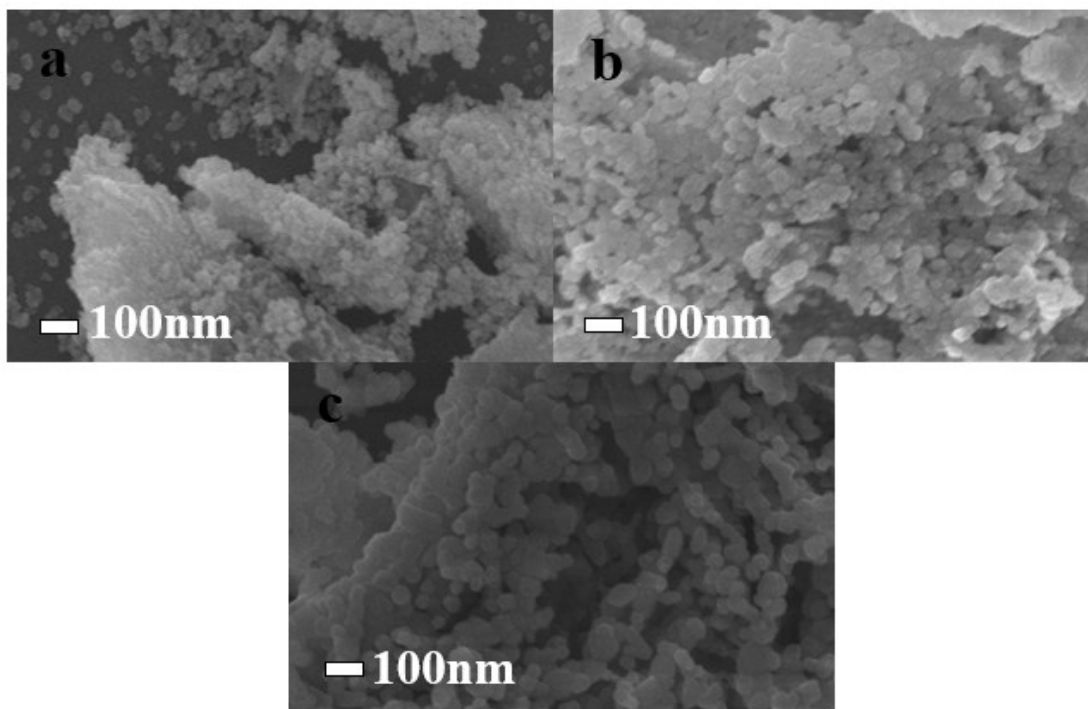


Figure S5 SEM images of compound 1(a), compound 2(b) compound 3(c).

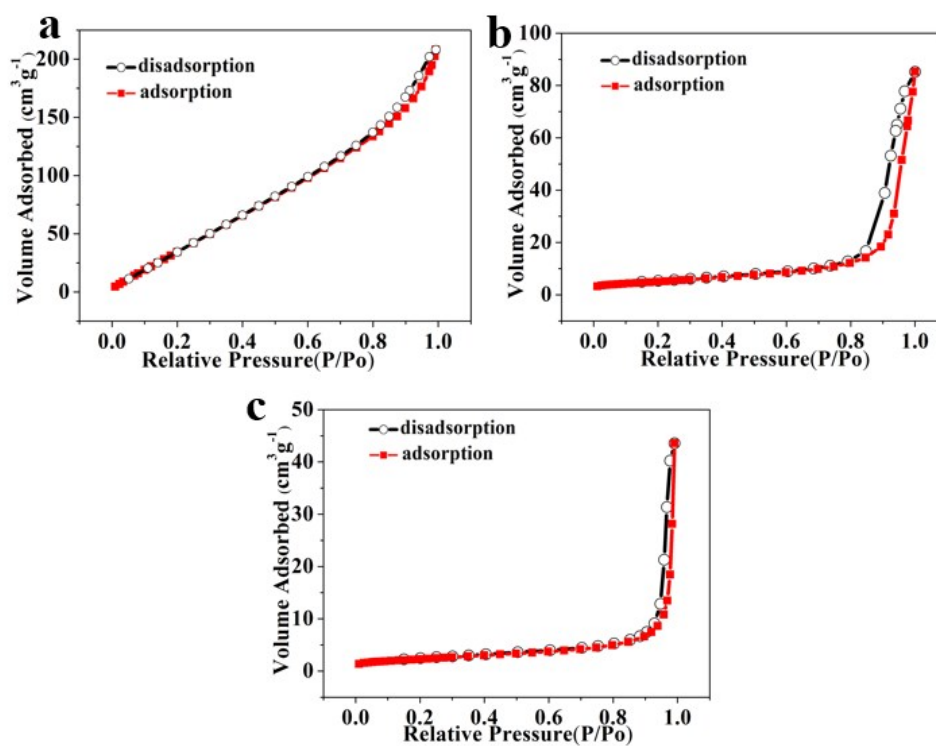


Figure S6 Typical isothermal nitrogen adsorption–desorption isotherms compound 1(a), compound 2(b), compound 3(c) derived from Ni-MOF.