

Supplementary Information

Cobalt-based metal-organic framework electrodeposited on nickel foam as a binder-free electrode for high-performance supercapacitors

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Part I: Supplementary Figures

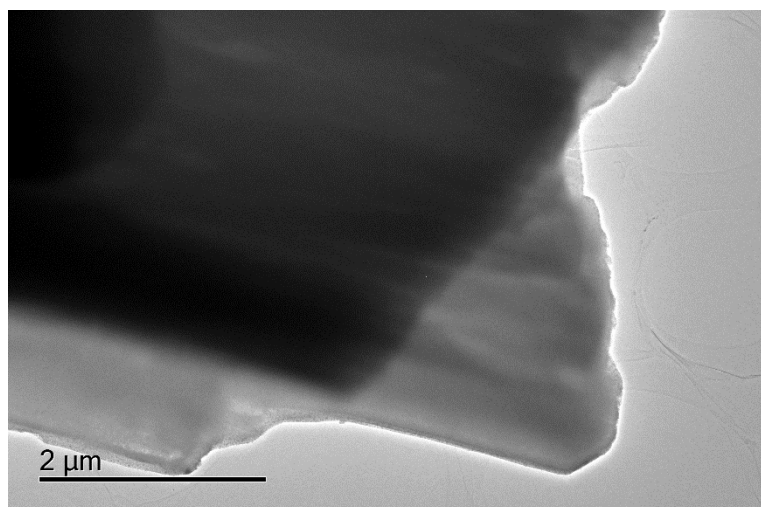


Fig. S1 TEM image of Co-MOF rodlike crystals.

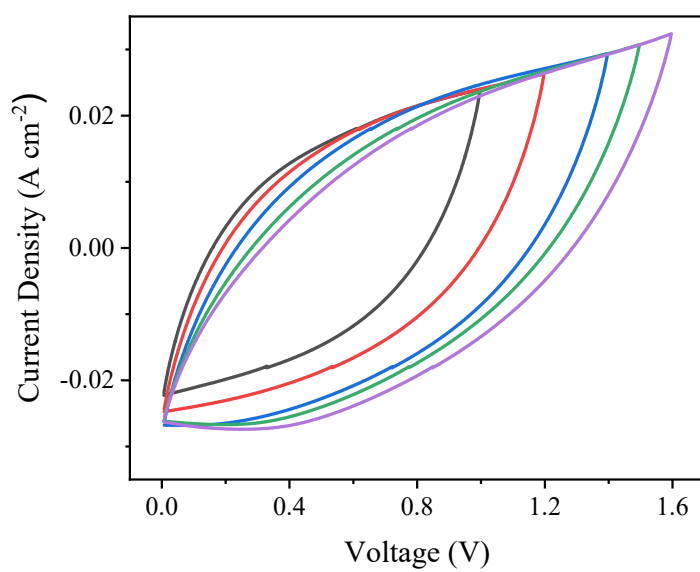


Fig. S2 CV curves of Co-MOF/NF//AC device collected in different scan potential windows at a scan rate of 10 mV s^{-1} .

Part II: Supplementary Tables

Table S1 The amount of active substance for Co-MOF/NF electrodes deposited for different time.

Electrodes Active substance	600 s	1200 s	1800 s	2400 s
M/mg cm ⁻²	5	14	32	40

Table S2 Impedance parameters derived using the equivalent circuit model for Co-MOF/NF electrodes deposited for different time.

Electrodes Parameters	600 s	1200 s	1800 s	2400 s
R _s /Ω	0.486	0.320	0.463	0.610
R _{ct} /Ω	0.058	0.110	0.161	0.100