Electronic supplementary information

Design Synthesis of Porous $NiMoO_4$/C Composite Nanorods for Asymmetric Supercapacitors

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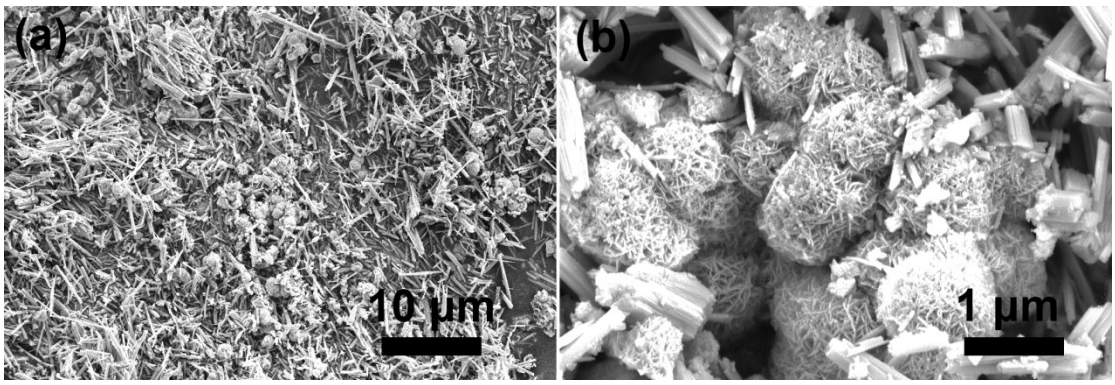

Figure S1. (a-b) SEM image with different magnification of NMO-P prepared with only water as solvent.

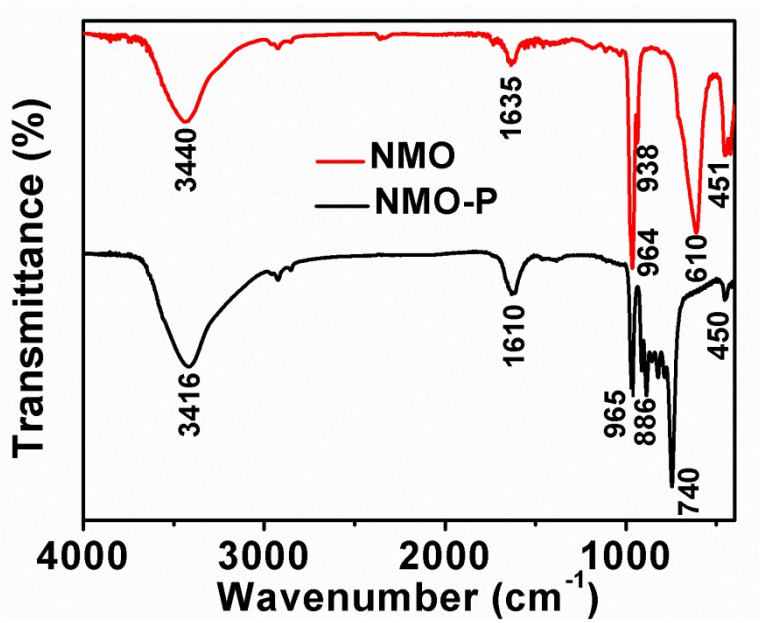

Figure S2. FTIR spectrum of NMO-P and NMO/C composite nanorods at wavenumber from 400 cm^{-1} to 4000 cm^{-1}.

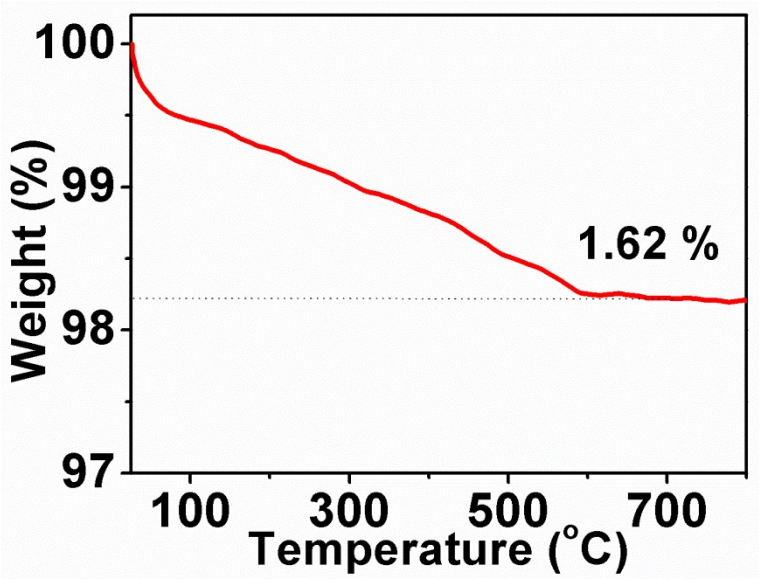

Figure S3. Thermogravimetric curve of NMO/C under N_2 atmosphere with a heating rate of 10 ^{o}C min^{-1}.

Table S1. Comparison of specific capacitance of NMO/C in this study and those of some NMO-based electrodes

Electrode material	Two-electrodes (specific capacitance@current density)	Ref.
$NiMoO_4$/PANI	1.34 F cm^{-2}@1 mA cm^{-2}	32
$NiMoO_4$@$CoMoO_4$	112.2 F g^{-1}@2 A g^{-1}	33
NF@$NiMoO_4$@C	201.3 F g^{-1}@1 A g^{-1}	34
$NiMoO_4$@CMS	137.5 F g^{-1}@1 A g^{-1}	40
$NiMoO_4$@C@Ni_3S_2	0.47 F cm^{-2}@2 mA cm^{-2}	41
$NiMoO_4$-HCNF	135 C g^{-1}@0.5 A g^{-1}	42
$NiMoO_4$ nanosheet	151.7 F g^{-1}@1 A g^{-1}	43
$NiCo_2O_4$@$NiMoO_4$	61.7 F g^{-1}@5 mA cm^{-2}	44
$NiMoO_4$ nanorods	96.7 F g^{-1}@5 mA cm^{-2}	45
$NiMoO_4$-$CoMoO_4$	80 F g^{-}1@1 mA cm^{-2}	46
$NiMoO_4$-$CoMoO_4$ nanotubes	105 F g^{-1}@5 mA cm^{-2} (0.5 A g^{-1})	47
PCNS@$Co_xNi_{1-x}MoO_4$	127.5 F g^{-1}@0.5 A g^{-1}	48
$NiMoO_4$/C	325.1 F g^{-1}@0.5 A g^{-1}	This work