Supporting Information

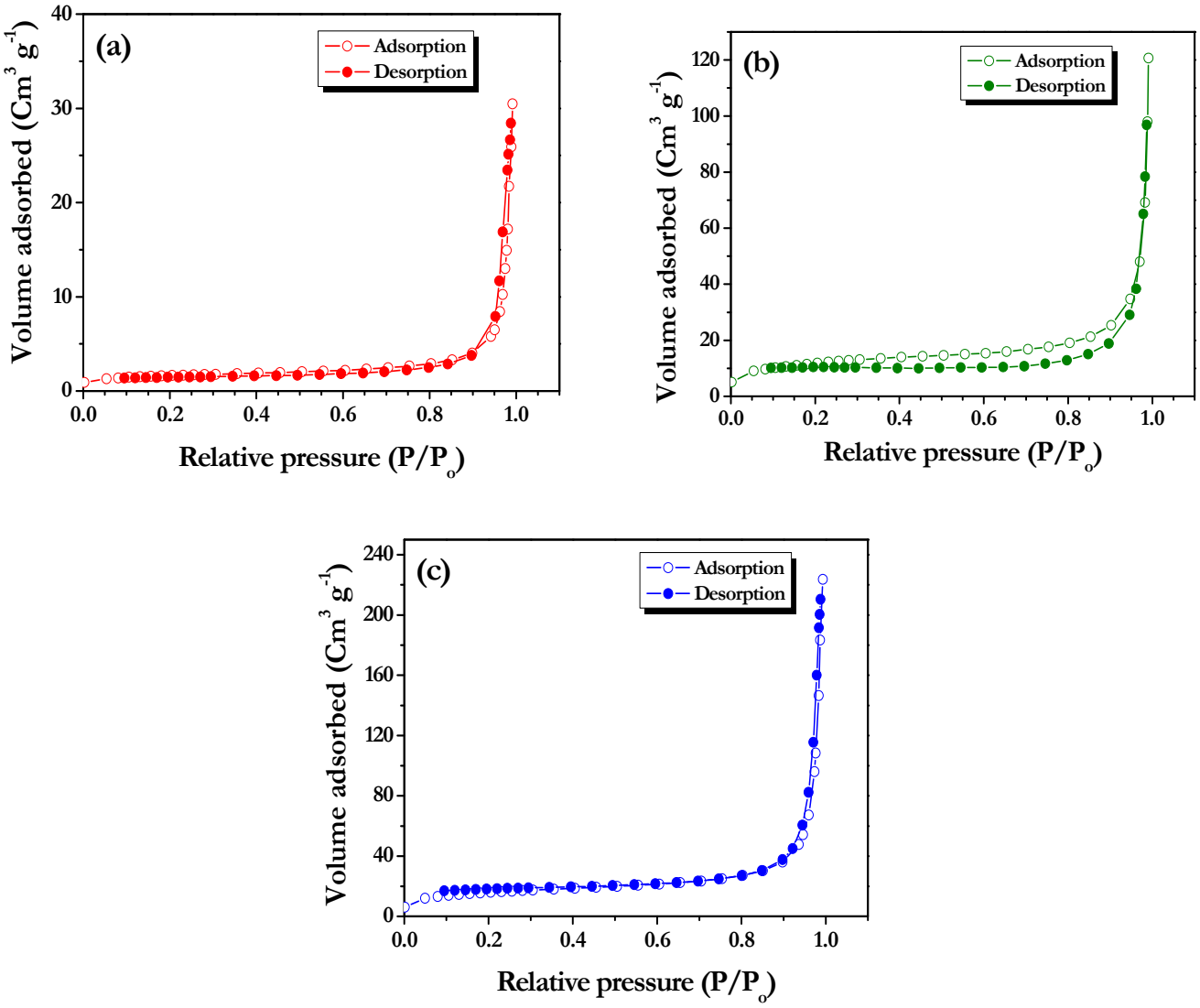

Figure S1. N_2 adsorption/desorption isotherms (a) $Li(Mn_{1/3}Ni_{1/3}Fe_{1/3})O_2$ (b) $Li(Mn_{1/3}Ni_{1/3}Fe_{1/3})O_2$-PPy and (c) $Li(Mn_{1/3}Ni_{1/3}Fe_{1/3})O_2$-PANI composite materials.

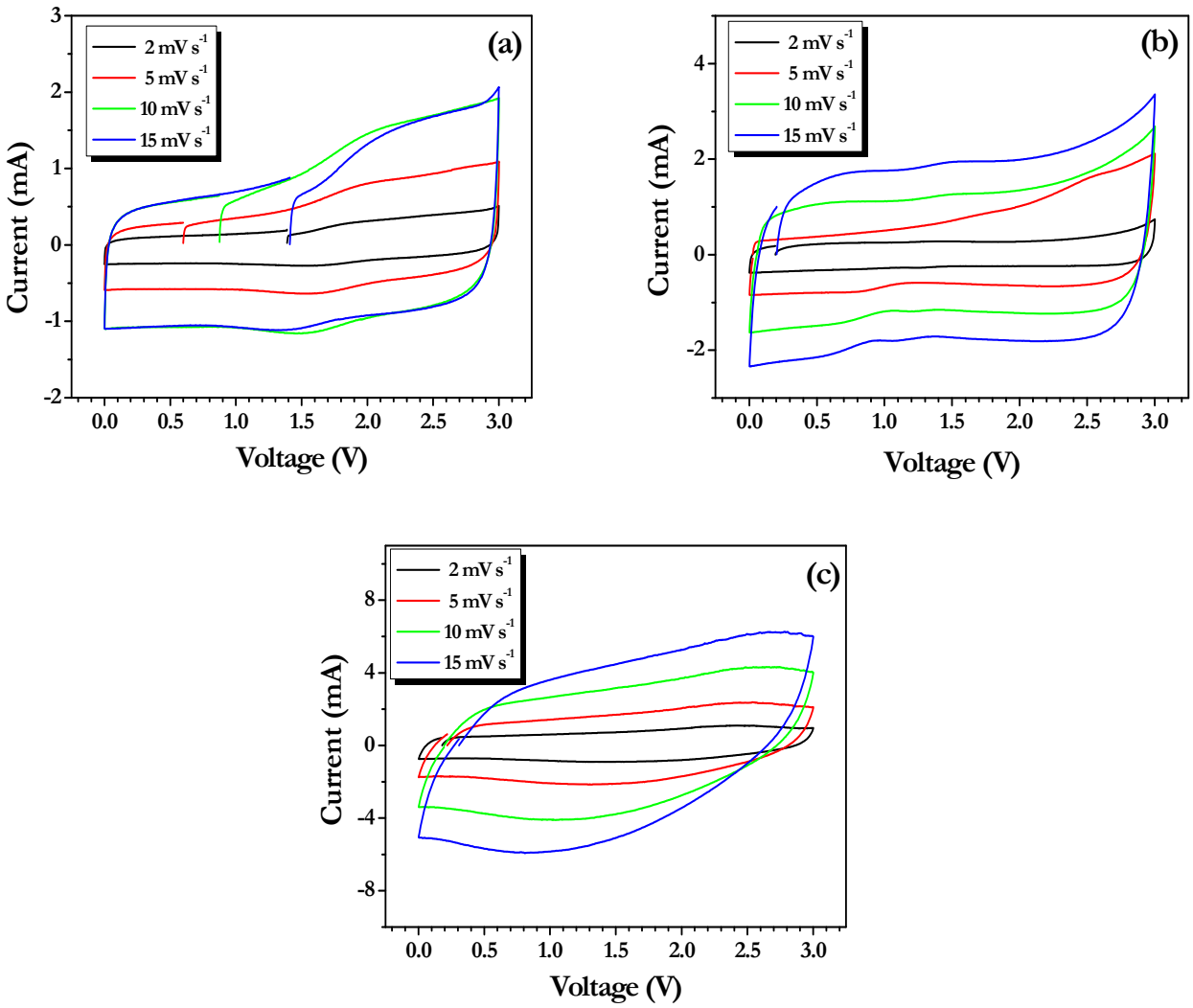

Figure S2. CV curves of (a) $Li(Mn_{1/3}Ni_{1/3}Fe_{1/3})O_2$/AC (b) $Li(Mn_{1/3}Ni_{1/3}Fe_{1/3})O_2$-PPy/AC and (c) $Li(Mn_{1/3}Ni_{1/3}Fe_{1/3})O_2$-PANI/AC cells recorded at different current rates between 0-3 V in the presence of 1 M $LiPF_6$ in EC:DMC (1:1 v/v.).

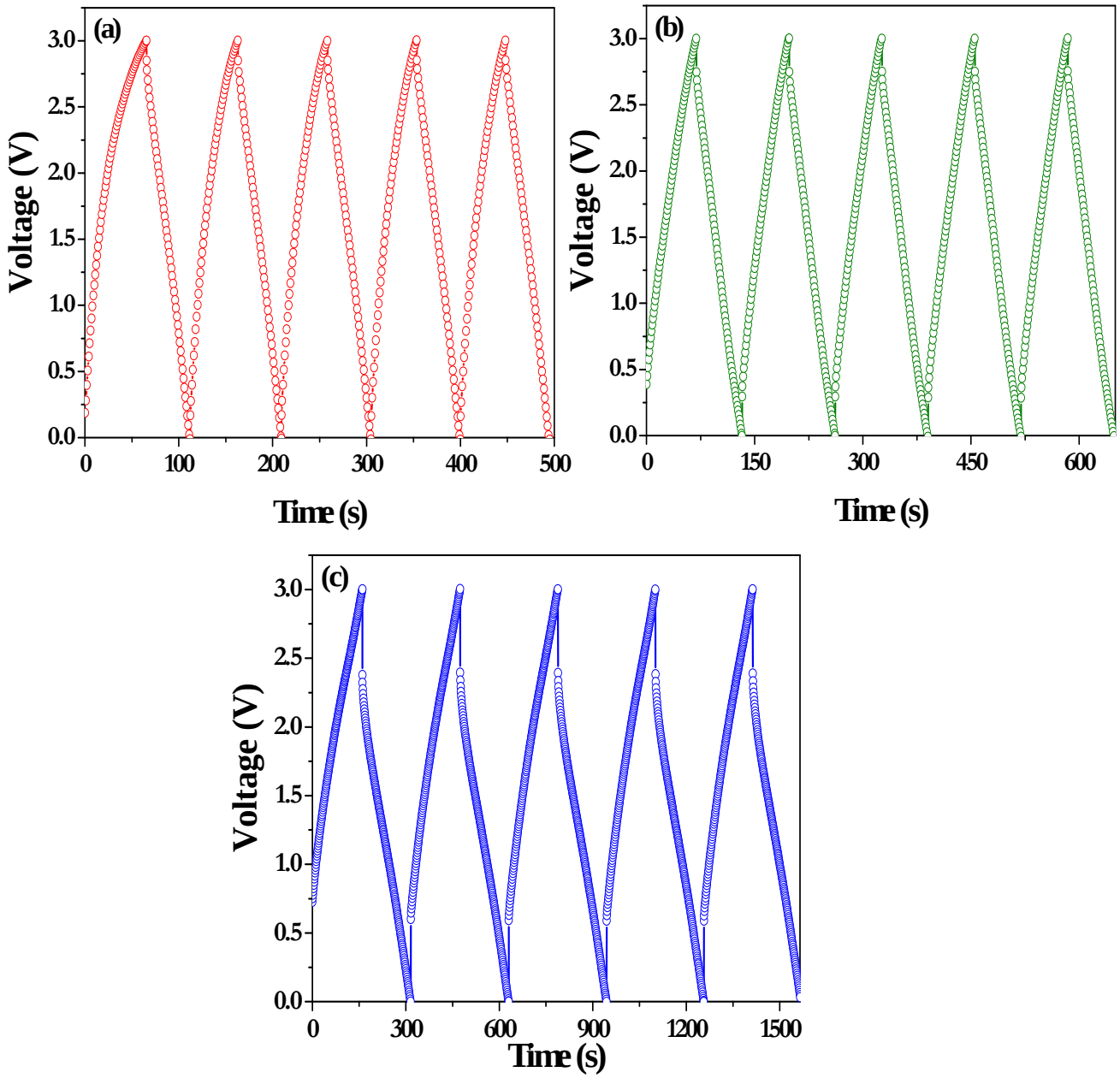

Figure S3. Charge discharge curves of (a) $Li(Mn_{1/3}Ni_{1/3}Fe_{1/3})O_2$/AC (b) $Li(Mn_{1/3}Ni_{1/3}Fe_{1/3})O_2$-PPy/AC and (c) $Li(Mn_{1/3}Ni_{1/3}Fe_{1/3})O_2$-PANI/AC cells recorded at 0.72 A g^{-1} current density between 0-3 V in 1 M $LiPF_6$/EC:DMC (1:1 v/v.) electrolyte.

Table S1. Comparison of specific power (S_{PD}, W kg^{-1}) and specific energy density (S_{ED}, Wh kg^{-1}) of various non-aqueous Li-ion hybrid supercapacitors with Li-intercalating materials as electrodes at given current density.

Systems	S_{PD} (W kg^{-1})	S_{ED} (Wh kg^{-1})	Reference
PANI-Li($Mn_{1/3}Ni_{1/3}Fe_{1/3}$)O_2/AC	**1000**	**~49**	**Present work**
$LiMn_2O_4$/AC	125	35	[1]
$LiTi_2(PO_4)_3$/AC	180	14	[2]
$Li_4Ti_5O_{12}$/poly(methyl)thiophene	30	10	[3]
$LiCoPO_4$/CNF	192	11	[4]
$LiMn_2O_4$/MnO_2-CNT	600	42	[5]
($LiMn_2O_4$ +AC)/$Li_4Ti_5O_{12}$	~200	16	[6]
$LiTi_2(PO_4)_3$/MnO_2	200	43	[7]
Li_2MnSiO_4/AC	900	40	[8]
Li_2FeSiO_4/AC	1000	33	[9]
$LiCrTiO_4$/AC	800	23	[10]
V_2O_5/CNT	45	18	[11]

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