Supplementary Information

Nanoporous Metal Based Flexible Asymmetric Pseudocapacitors

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Fig. S1 XPS spectrum of Mn 2p orbit for the MnO$_2$ deposited on NPG.
**Fig. S2.** (a) Specific capacitance of PPy-NPG//MnO$_2$-NPG asymmetric supercapacitor with 7.5 min-plated MnO$_2$ and different plating cycles PPy. (b) Relationship between specific capacitance and PPy plating cycles. (c) Specific capacitance of PPy-NPG//MnO$_2$-NPG asymmetric supercapacitor with 1 cycle-plated PPy and different plating times MnO$_2$. (d) Relationship between specific capacitance and MnO$_2$ plating times.
Fig. S3. Internal resistances of the PPy-NPG//MnO$_2$-NPG asymmetric supercapacitor, PPy-NPG//PPy-NPG symmetric supercapacitor and MnO$_2$-NPG//MnO$_2$-NPG symmetric supercapacitor at different current densities.