Supporting Information

Kinetics and Electrochemical Evolution of Binary Silicon-Polymer Systems for Lithium Ion Batteries

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Fig. S1 (a-b) Cyclic voltammetry characteristics of Si-PANI and Si-PAA electrodes, respectively.
Fig. S2 (a-c) Galvanostatic charge-discharge profiles of Si-PPy, Si-PANI and Si-PAA at selected C-rates, respectively.
Fig. S3 (a-f) Nyquist plots of Si-PPy, Si-PANI and Si-PAA anodes from 2nd to 7th cycle.
Fig. S4 (a-c) Equivalent circuit of Si-PPy, Si-PANI and Si-PAA anodes used to produce fitted model data, respectively.