

Solid-Electrolyte Interface Formation on Si Nanowires in Li-ion Batteries: The Impact of Electrolyte Additives

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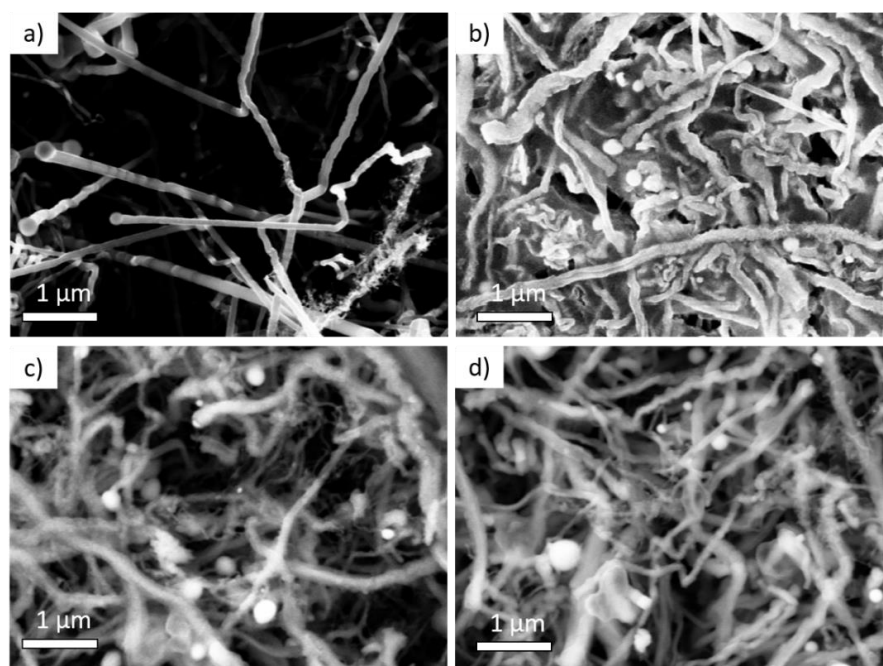


Figure S1. Scanning Electron micrographs at high magnification (35000 X) of Si NW electrodes uncycled (a) and after 5 galvanostatic cycles in (b) BE electrolyte, (c) FEC-added electrolyte and (d) VC-added electrolyte.

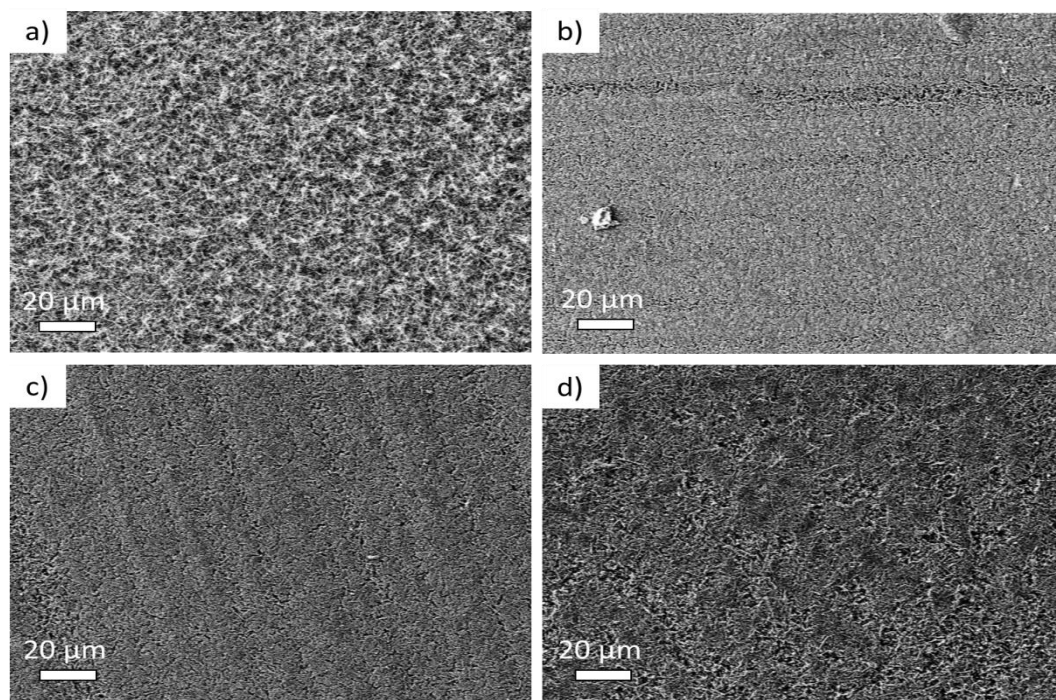


Figure S2. Scanning Electron Microscopy low magnification (1000 X) images of (a) pristine Si NW anode, (b) Si NW anode cycled with 1M LiPF₆ electrolyte, (c) added with 3% of fluoroethylene carbonate (FEC) or (d) added with 3% of vinylene carbonate (VC) additive.