

Supplementary Information

Vertically aligned iron oxide nanotube arrays and porous magnetite
nanostructures as three-dimensional electrode for lithium ion
microbatteries

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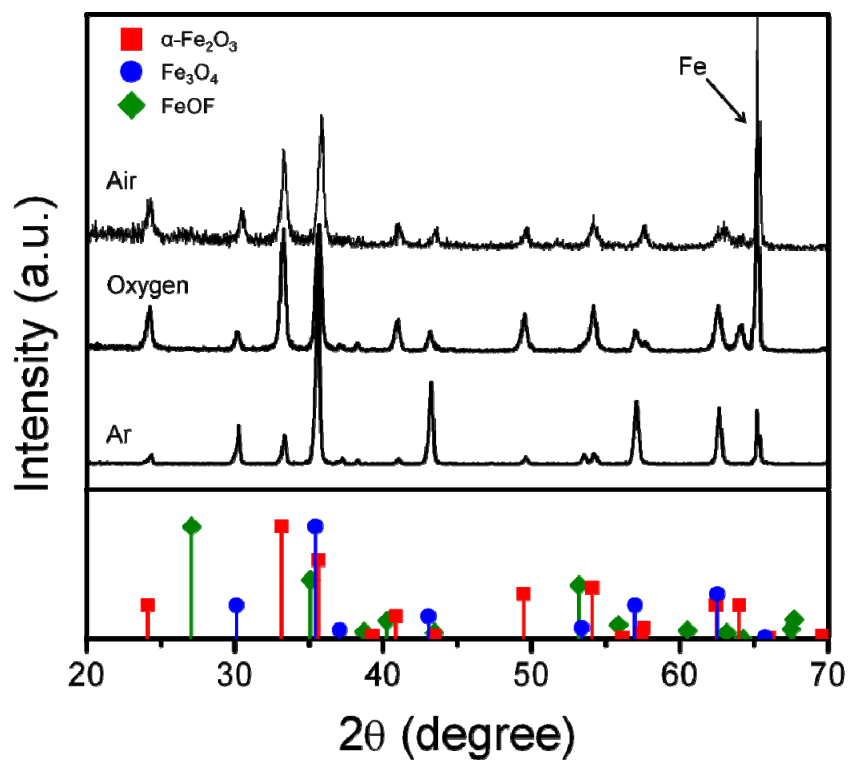


Fig S1. X-ray diffraction (XRD) patterns of annealing samples in air, oxygen and Ar (JCPDS card no. 33-0664, 19-0629 and 70-1522 for hematite, magnetite and iron oxyfluoride, respectively).

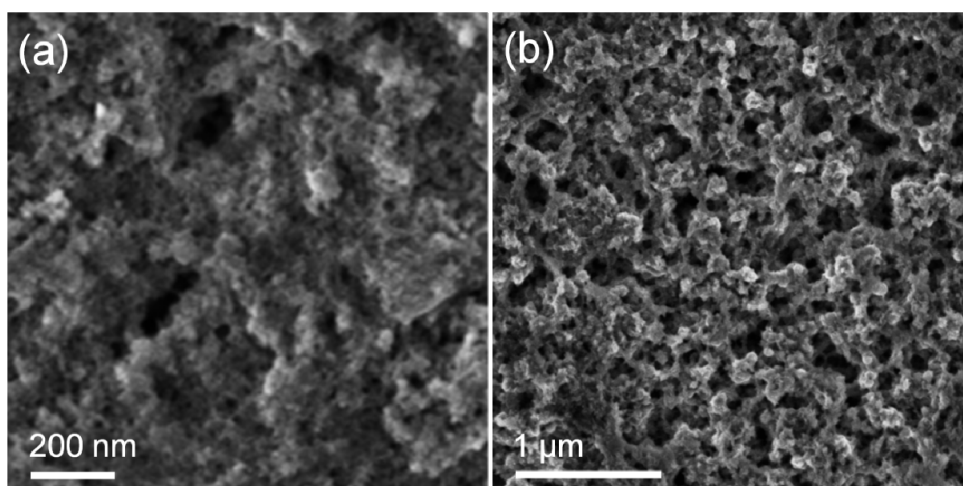


Fig S2. Top view SEM images of (a) IONAs and (b) PMNs after 100 cycles at a current density of $400 \mu\text{A cm}^{-2}$.