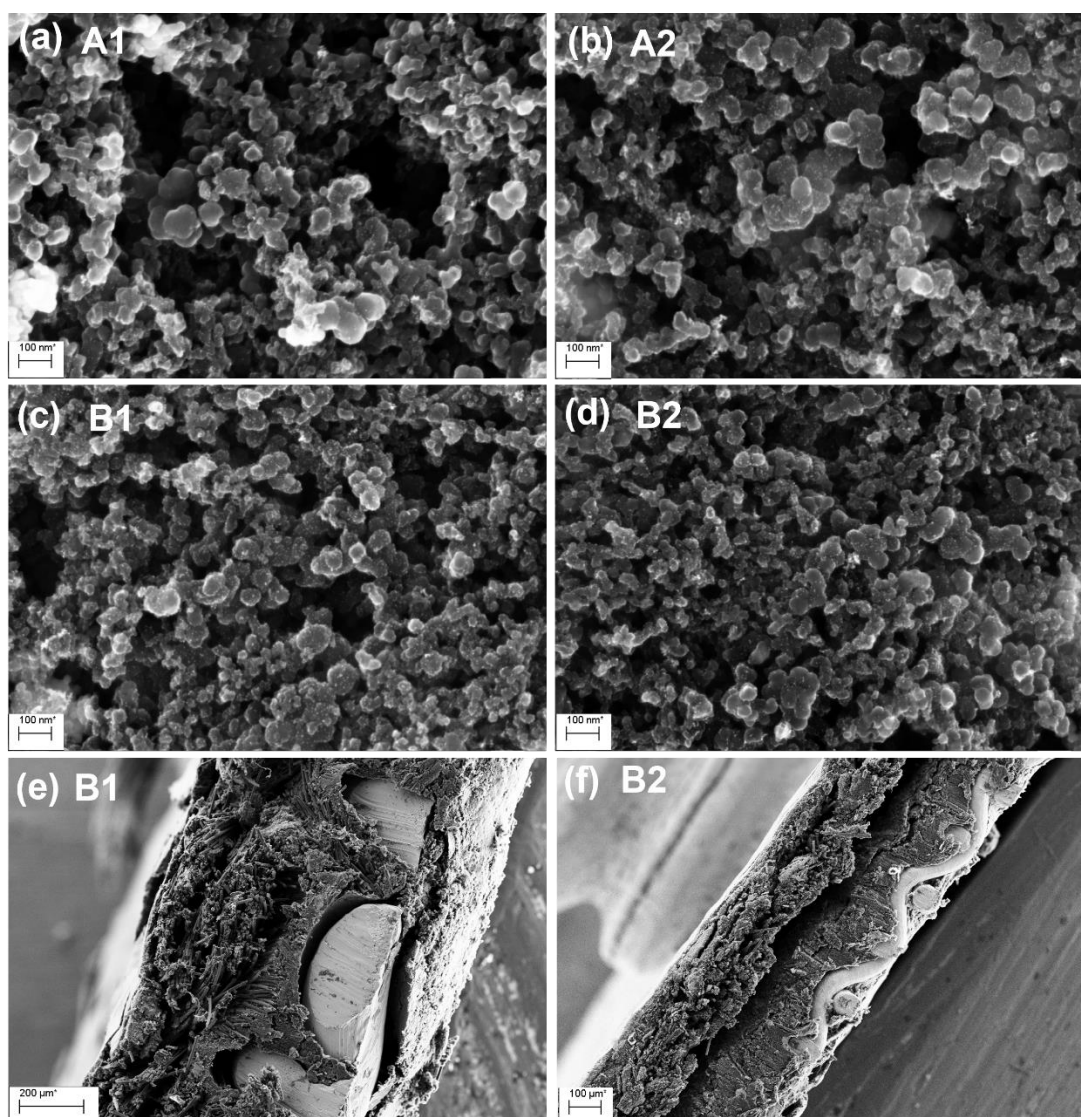


# Development and Optimization of Air-electrodes for Rechargeable Zn-Air Batteries

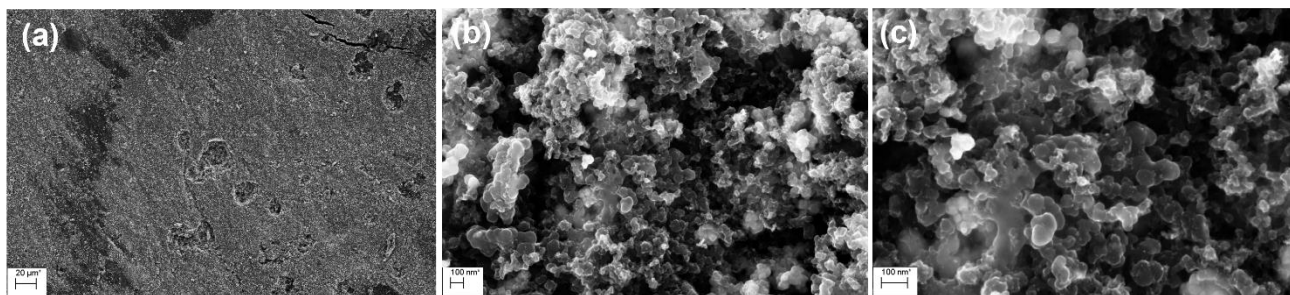
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**Figure S1.** SEM micrographs at a 200 kX magnification for the catalyst layer surface of (a) A1 (b) A2, (c) B1 and (d) B2, and cross section micrographs at a 200 X magnification for (e) B1 and (f) B2 cathodes.



**Figure S2.** SEM micrographs for the catalyst layer surface of B2 cathode after charge and discharge cycling at an **(a)** 800 X, **(b)** 100 kX and **(c)** 200 kX magnification.