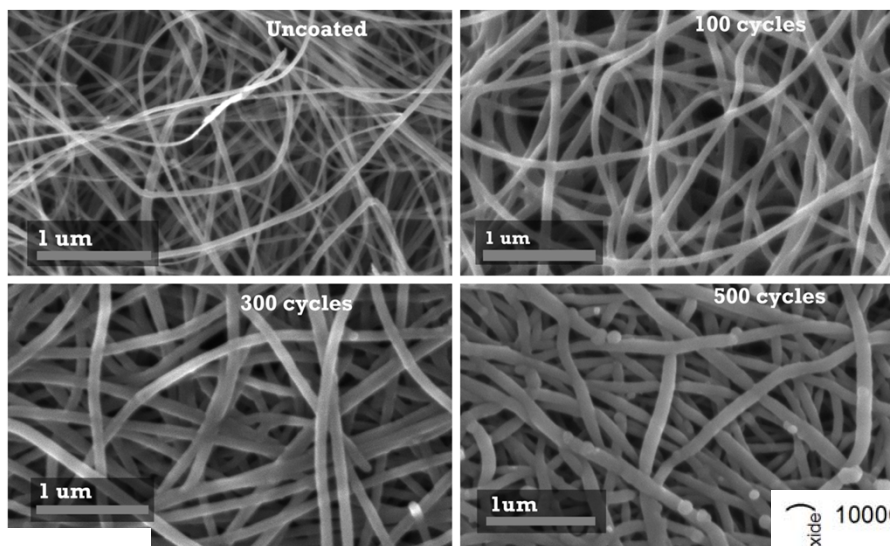


## Metal Oxide Nanoparticles for High Energy Electrochemical Capacitors - PRF # 49045-DNI10

Gleb Yushin

School of Materials Science and Engineering, Georgia Institute of Technology

We tune ALD synthesis conditions to uniformly deposit metal oxide nanoparticles or thin films on the surface of porous carbon electrodes



We produce and test supercapacitor devices and reveal structure-property relationships for the ALD deposited metal oxide films:

We vary the metal oxides thickness by the number of ALD cycles:

