GRADED SILICON-BASED ELECTRODE FOR LITHIUM-ION BATTERIES

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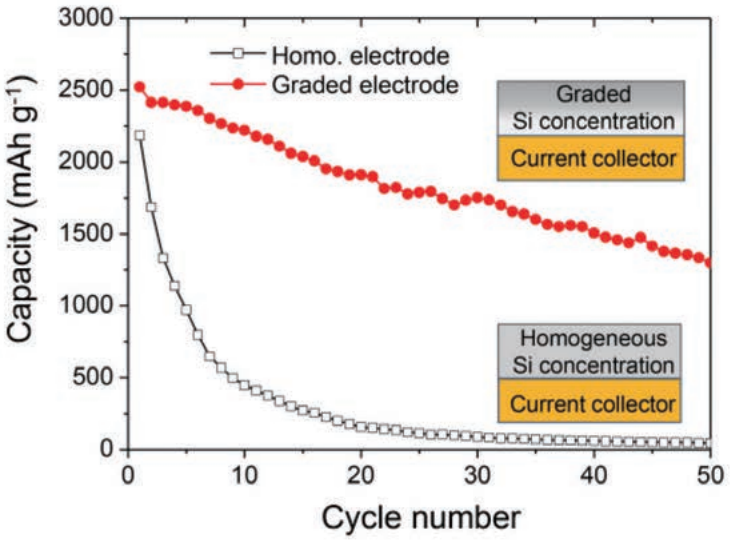
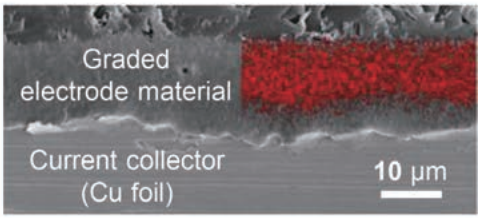
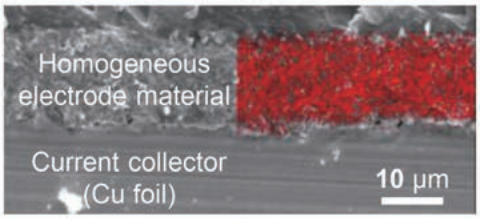
This technology tackled delamination problem by re-allocating the silicon nanoparticles in a layer-graded way in the electrode for lithium-ion batteries. The resulting graded electrodes exhibited much better electrochemical performance and higher utilizing efficiency of silicon in comparison to the homogeneous controls containing the same amount of constituent materials.

NOVEL FEATURES

* Possesses greater electrochemical performance
* Can be used with existing technologies
* Requires less fabrication facilities with cheaper cost







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