

## **Novel Low-cost Carbon Composite Anodes for Lithium and Sodium Ion Batteries**

### **Disclosure Number**

201503528

### **Technology Summary**

We report a method to prepare low-cost, high capacity lithium ion battery anodes using low-cost carbon composites with suitable material additions; and demonstrated their performances in a lithium-ion battery configuration. After 30 cycles, a capacity of 645 mAh/g was achieved for the composite anodes. This is an improvement of over 30% compared to the carbon powders without any additions.

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