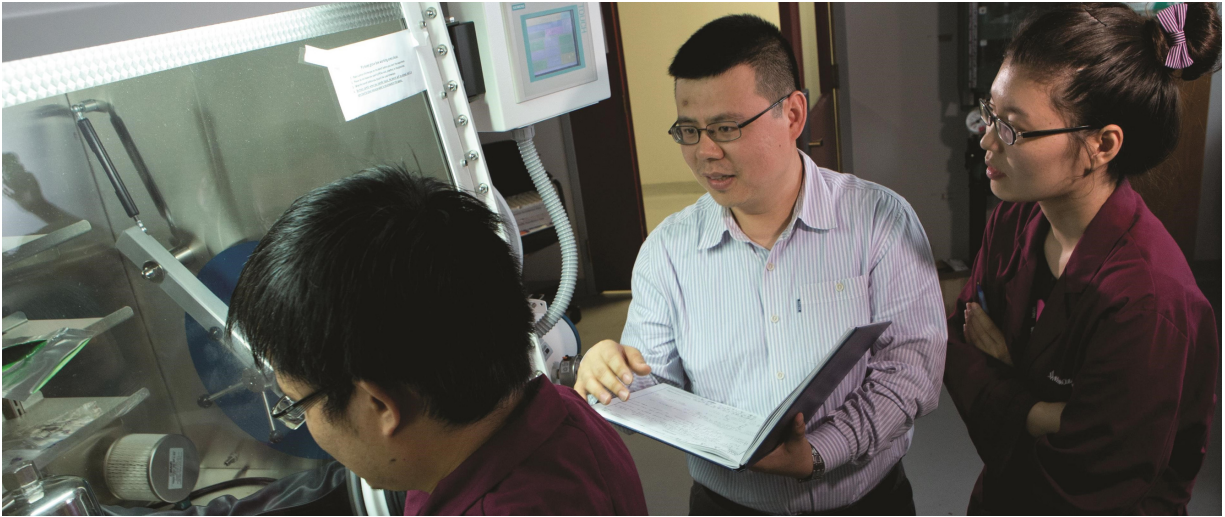


Novel Recycling Process Development for Li-ion Batteries



There is no current commercial method to economically and efficiently recycle Li-ion batteries that have different cathode chemistries. Yet there is a real need to do so as Li-ion batteries are expected to be a \$50 billion industry by 2020. This research project leveraged a hydrometallurgical methodology that recycles Li-ion batteries with high efficiency regardless of cathode chemistry, and used Li-ion batteries from a recycling source and recover precursors for new cathode materials, copper and steel. Economies of energy, chemistry and waste were evaluated.

Overview

This research project focused on developing a commercial method to economically and efficiently recycle Li-ion batteries that have different cathode chemistries.

Researchers

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