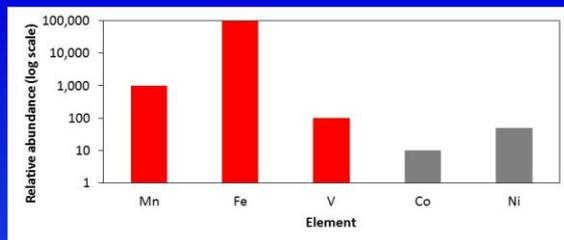
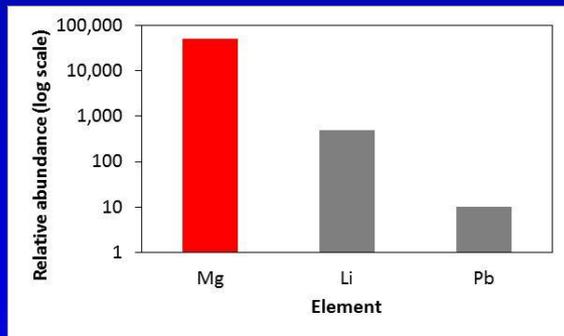


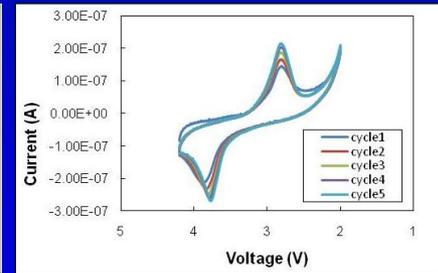
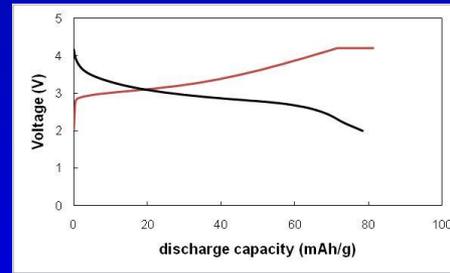
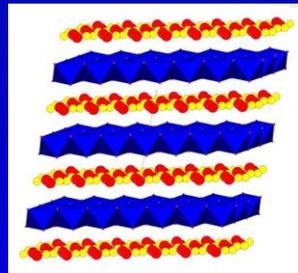
The Architectural Diversity of Metal Oxide Nanostructures: An Opportunity for the Rational Optimization of Group II Cation Based Batteries.

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Purpose: Develop new battery using abundant, low cost materials.



Preliminary results: Successful synthesis of pure Mg_xMnO_y demonstration of good reversibility and capacity retention in lithium based batteries.



Impact on DOE OE energy storage mission: The new battery should provide significantly reduced cost with low environmental impact, addressing key considerations for large scale power sources.



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