**Electrode Design for Rechargeable Sodium-Oxygen Batteries**

*Bing SunA*

ACentre for Clean Energy Technology, School of Mathematical and Physical Sciences, Faculty of Science, University of Technology Sydney, Broadway, Sydney, NSW 2007, Australia, email: bing.sun@uts.edu.au

Owing to the superior high energy density, alkali metal-oxygen (air) batteries have been considered as promising advanced battery systems to meet today’s stringent requirements as the power source for electric vehicles (EVs). However, the development of metal-oxygen (air) batteries, such as sodium-oxygen batteries, is still constrained by several serious challenges, including low energy efficiency and poor cycle life. The electrochemical performance of sodium-oxygen batteries awaits a dramatic improvement in the design of oxygen cathodes and metal anodes. Herein, we present the synthesis of porous carbon materials and investigate their electrochemical performance as cathode catalysts in sodium-oxygen batteries. Furthermore, a ‘sodiophilic’ interlayer were designed for dendrite-free sodium metal anodes.[1-3]

**References**

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