Isothermal microcalorimetry techniques for assessing battery degradation: Theory and application

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Isothermal microcalorimetry paired with electrochemical testing has been established as a powerful technique for gaining insights into degradation of battery cells. Thermal signals belonging to parasitic reactions that occur during battery operation provide key degradation parameters that cannot be determined from electrochemical cycling along. This talk will provide an introduction to the Battery Cycler Microcalorimeter Solution, and give an overview into the unique insights into battery degradation this technique provides.