

Stable and Active Nanosized Sn Electrode for the Conversion of CO₂ to Formate

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In this paper, we will discuss the origin for the pulverization of Sn electrodes during the electrochemical reduction of CO₂ to form formate in a full electrochemical cell. We will report the stable and active performance of the electrode comprised of nanosized Sn particles. The mechanisms to obtain simultaneous stability and activity in Sn-based electrode will be discussed.