

Catalysis In Formic Acid Fuel Cells

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Fuel cells running on formic acid have many applications in portable electronics. Motorola has announced a formic acid fuel cell product, and other products are in development. This talk will discuss the catalysis that occurs in the fuel cells. In particular, we will discuss the fundamental catalytic studies that lead to the choice of palladium as an anode catalyst, poisoning studies to understand the long term behavior, some device design, and catalytic approaches to eliminate poisoning.