

Conducting polymer based multifunctional composite electrodes, Bencsik G, Janaky C, Krivan E, Lukacs Z, Endrodi B, Visy C, REACTION KINETICS AND CATALYSIS LETTERS, 96 (2009) 421-428.

Abstract

In this paper, we report a novel pattern of composite electrocatalysts. PPy/iron-oxalate films exhibit photo-electrochemical activity. The PPy/B12 composite electrode on stainless steel (SS) support shows high catalytic activity in the electrochemical reduction of methylviologen. Thin polymer layers filled with magnetite particles can be applicable in magneto-selective electrochemical reactions.