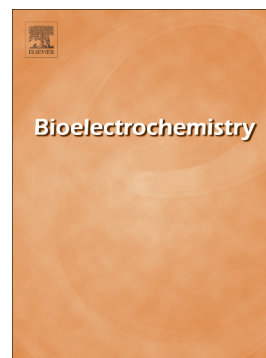


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Low-cost Nanowired α -MnO₂/C as an ORR catalyst in air-cathode microbial fuel cell

Mir Reza Majidi ^{1,*} majidi@tabrizu.ac.ir, Fatemeh Shahbazi Farahani ^{1,*}

f.shahbazi@tabrizu.ac.ir, Mirghasem Hosseini ², Iraj Ahadzadeh ³

¹Department of Analytical Chemistry, Faculty of Chemistry, University of Tabriz, 51664 Tabriz, Iran

²Electrochemistry Research Laboratory, Department of Physical Chemistry, Tabriz University, Tabriz, Iran

³Research Laboratory for Electrochemical Instrumentation and Energy Systems, Department of Physical Chemistry, Faculty of Chemistry, University of Tabriz, Tabriz, Iran

*Corresponding authors:

Abstract

In this work, low cost α -MnO₂ nanowires and α -MnO₂ nanowires supported on carbon Vulcan (α -MnO₂/C) have been synthesized via a simple and facile hydrothermal method for application in microbial fuel cells. The prepared samples have been characterized by X-ray diffraction (XRD), Raman spectroscopy and field emission scanning electron microscopy (FE-SEM). Electrocatalytic activities of the samples have been evaluated by means of cyclic

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