

عنوان مقاله:

An Overview of Laccase-Based Biofuel Cells

محل انتشار:

چهارمین همایش پیل سوختی (سال: 1389)

تعداد صفحات اصل مقاله: 7

نویسندگان:

M Mogharabi - *Department of Chemistry, School of Science, Birjand University*

G Bagherzadeh - *Department of Chemistry, School of Science, Birjand University*

M.A Faramarzi - *Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, Tehran University of Medical Sciences*

خلاصه مقاله:

Enzyme based bioelectronics have attracted increasing interest in recent years because of their applications on biomedical research and healthcare. They also have broad applications in environmental monitoring, and as the power source for portable electronic devices. In this paper, the technology developed for enzyme biofuel cell has been described. The performances of enzymatic biofuel cells are summarized. Various approaches on further development to overcome the current challenges have been discussed. This innovative technology will have a major impact and benefit medical science and clinical research, healthcare management, energy production from renewable sources.

کلمات کلیدی:

Laccase, fuel cell, electron transfer

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/116637>

