Short Communication

Electrochemical Polymerization of Methylene Blue on Glassy Carbon Electrode

Benzhi Liu^{}, Hui Cang, Liqiang Cui, Hongmei Zhang*

School of Environmental Science and Engineering, Yancheng Institute of Technology, Yancheng, Jiangsu Province, China

^{*}E-mail: benzhiliu@163.com

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Electrochemical polymerization of methylene blue on a glassy carbon electrode was performed in Na₂SO₄ solution at pH=2.0. The electrochemical properties of the as prepared polymers modified electrodes were studied by cyclic voltammetry. The result shows that the polymers have high electroactivity and fast charge transfer ability. The morphology of the polymers was investigated by scanning electron microscopy and the structural properties of the polymers were obtained by infrared spectrum.

Keywords: Methylene blue; Electrochemical polymerization; Polymers

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