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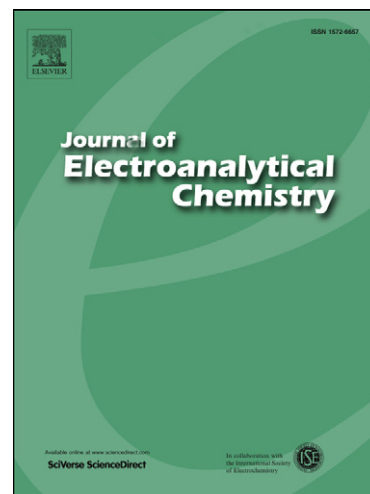
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**Electron transfer of some redox systems through  
physisorbed 4-methyleculetin: A catalytic behavior toward  
oxidation of catechols**

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**Abstract**

Glassy carbon electrode shows the adsorption of 4-methyleculetin in aqueous solution. Homogeneous and heterogeneous electron transfer through spontaneously physisorbed 4-methyleculetin were examined on glassy carbon electrode for some electron transfer systems in aqueous solutions. The various redox couples such as catechol, 4-methylcatechol, 4-*tert*-butylecatechol, 3,5-di-*tert*-butylcatechol and  $\text{Fe}(\text{CN})_6^{4-}$  were examined for the evaluation of their electron transfer via physisorbed layer of 4-methyleculetin on the glassy carbon electrode. These redox systems were categorized according to their kinetic sensitivity to surface

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