

Accepted Manuscript

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PII: S1572-6657(18)30529-0
DOI: doi:[10.1016/j.jelechem.2018.07.057](https://doi.org/10.1016/j.jelechem.2018.07.057)
Reference: JEAC 12539
To appear in: *Journal of Electroanalytical Chemistry*
Received date: 9 May 2018
Revised date: 31 July 2018
Accepted date: 31 July 2018

Please cite this article as: Emi Kusakabe, Yui Nakamura, Kohji Maeda, Mao Fukuyama, Yumi Yoshida, Effect of oxidation ratio of conducting polymer on potential stability of the conducting polymer-coated electrode in voltammetric cell for the ion transfer. *Jeac* (2018), doi:[10.1016/j.jelechem.2018.07.057](https://doi.org/10.1016/j.jelechem.2018.07.057)

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Effect of oxidation ratio of conducting polymer on potential stability of the conducting polymer-coated electrode in voltammetric cell for the ion transfer

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ABSTRACT

Conducting polymer-coated electrodes have been studied as one of the most suitable solid electrodes in organic membrane for fabrication of all-solid ion-selective electrodes or the voltammetric devices for the ion transfer at the liquid-liquid interface. In the present work, we report that the partially oxidized conducting polymer-coated electrode—the 50% oxidized poly(3,4-ethylenedioxythiophene), PEDOT,-coated indium-tin oxide glass electrode, ITOE

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