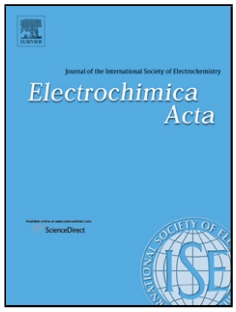

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Author: Chunmei Zhang Lei Li Jian Ju Wei Chen

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Electrochemical Sensor Based on Graphene-Supported Tin Oxide Nanoclusters for Nonenzymatic Detection of Hydrogen Peroxide

Chunmei Zhang, a,b Lei Li, a,c Jian Ju a and Wei Chen a, *, [1]

a State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, Jilin, China

b University of Chinese Academy of Sciences, Beijing 100039, China

c The College of Electrical and Electronic Engineering, Changchun University of Technology, Changchun 130012, China

*Corresponding author, E-mail: weichen@ciac.ac.cn, Tel. +86-431-85262061

Graphical abstract

Highlights

- Reduced graphene oxide-supported tin oxide nanoclusters with an average size of 3–5 nm are prepared.
- The SnO2-rGO composite shows highly electrocatalytic activity for the reduction of H2O2.
- The SnO2-rGO exhibits high sensitivity and selectivity for electrochemical detection of H2O2.
- The SnO2-rGO composite can be used to detect H2O2 level in human blood serum

Abstract

[1] ISE member