Review

Recent Progress and Perspective Design of Various Electrode Catalysts for the Simultaneous Determinations of Dopamine in the Presence of Ascorbic Acid and Uric Acid: A Review

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The flexible electrochemical based biosensors have been fabricated by various suggested methods and the designed composite offer new possibilities for the evaluation of biosensor applications. The resulting composite brought new kind of capabilities, which were employed electrochemical performance and greatly enhanced electrocatalytic activities of DA, AA and UA. The reviewed electrode catalysts have extensively been used improved the electrocatalytic activity and quantitative estimation of real sample analysis from human urine and blood serum. We have briefly discussed different parameters on the basis of biosensors, such as sensitivity, selectivity, reproducibility, real sample analysis and electrode stability. This article offers useful way, which could expand low-cost electrode (disposable electrode) materials and hold great promise electrochemical biosensing devices for biosensor applications.

Keywords: Electrode catalysts, Biosensors, Dopamine, Ascorbic acid, Uric acid, Real sample, Electrode stability.

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