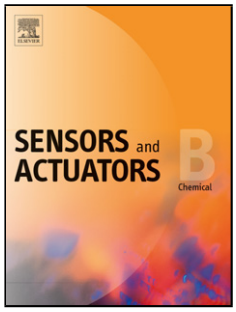

Title: Guests involved CB[8] capped silver nanoparticles as a means of electrochemical signal enhancement for sensitive detection of Caspase-3

Authors: Sunfengda Song, Xiaojun Hu, Hongjie Li, Jialin Zhao, Kwangnak Koh, Hongxia Chen

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Guests involved CB[8] capped silver nanoparticles as a means of electrochemical signal enhancement for sensitive detection of Caspase-3

Sunfengda Song[a, b], Xiaojun Hu[a], Hongjie Li[a], Jialin Zhao[a], Kwangnak Koh[c], Hongxia Chen[a, *]

[a] Laboratory of Biosensing Technology, School of Life Sciences, Shanghai University, Shanghai 200444, PR China.

[b] Shanghai Key Laboratory of Bio-Energy Crop, School of Life Sciences, Shanghai University, Shanghai 200444, PR China

[c] Institute of General Education, Pusan National University, Busan 46241, Republic of Korea.

Highlights

- Guests involved CB[8] capped AgNPs was designed as electrochemical signal enhancement for sensitive detection of Caspase-3.
- Caspase-3 can be measured with a detection limit of 24.62 pg·mL^{-1}.
- This strategy is a new concept for the design of highly sensitive methods based on AgNPs and supramolecule.

Abstract

Cysteine aspartase protease (Caspase-3) plays an important role in various diseases. In this work, silver nanoparticles (AgNPs) with electronic properties have been utilized as signal amplification elements for fabricating electrochemical

*Corresponding authors.

Email addresses: hxchen@shu.edu.cn (H. Chen).