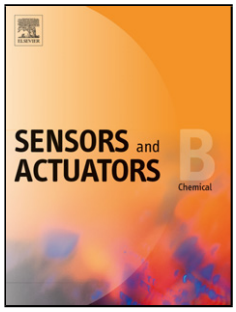

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PII: S0925-4005(18)31686-1
DOI: https://doi.org/10.1016/j.snb.2018.09.066
Reference: SNB 25372

To appear in: *Sensors and Actuators B*

Received date: 12-6-2018
Revised date: 2-9-2018
Accepted date: 15-9-2018

Please cite this article as: Wu J, Ran P, Zhu S, Mo F, Wang C, Fu Y, A highly sensitive electrochemiluminescence sensor for the detection of L-cysteine based on the rhombus-shaped rubrene microsheets and platinum nanoparticles, *Sensors and amp; Actuators: B. Chemical* (2018), https://doi.org/10.1016/j.snb.2018.09.066

A highly sensitive electrochemiluminescence sensor for the detection of L-cysteine based on the rhombus-shaped rubrene microsheets and platinum nanoparticles

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Highlights

- A novel rhombic rubrene micro-materials with high luminescence efficiency has been prepared by reprecipitation method.
- Using rhombic rubrene micro-materials, a rapid and simple ECL sensor for quantitative analysis of L-cysteine has been developed.
- This sensor displayed excellent selectivity and stability.