### Accepted Manuscript

Title: Sensitive sensing of enzyme-regulated biocatalytic reactions using gold nanoclusters-melanin-like polymer nanosystem

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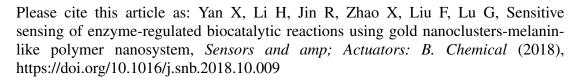
PII: S0925-4005(18)31772-6

DOI: https://doi.org/10.1016/j.snb.2018.10.009

Reference: SNB 25442

To appear in: Sensors and Actuators B

Received date: 3-5-2018 Revised date: 26-9-2018 Accepted date: 4-10-2018



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## ACCEPTED MANUSCRIPT

# Sensitive sensing of enzyme-regulated biocatalytic reactions using gold nanoclusters-melanin-like polymer nanosystem

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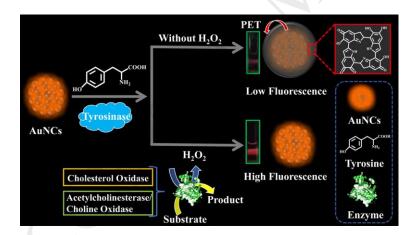
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The authors declare no competing financial interest.

#### **Graphical abstract**



#### Highlights:

• A fluorogenic assay for detecting biomolecules was constructed

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