

Accepted Manuscript

Unconventional application of gold nanoclusters/Zn-MOF composite for fluorescence turn-on sensitive detection of zinc ion

Yuanyuan Li, Xue Hu, Xiaodan Zhang, Haiyan Cao, Yuming Huang



PII: S0003-2670(18)30492-6

DOI: [10.1016/j.aca.2018.04.016](https://doi.org/10.1016/j.aca.2018.04.016)

Reference: ACA 235870

To appear in: *Analytica Chimica Acta*

Received Date: 26 November 2017

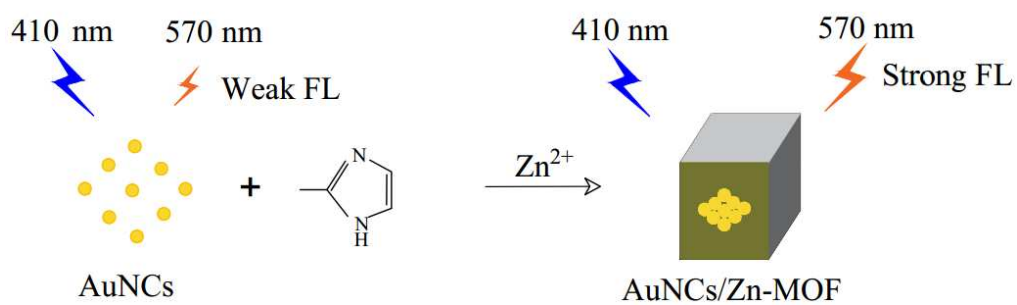
Revised Date: 13 March 2018

Accepted Date: 12 April 2018

Please cite this article as: Y. Li, X. Hu, X. Zhang, H. Cao, Y. Huang, Unconventional application of gold nanoclusters/Zn-MOF composite for fluorescence turn-on sensitive detection of zinc ion, *Analytica Chimica Acta* (2018), doi: 10.1016/j.aca.2018.04.016.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Graphic abstract



Aggregation induced emission enhancement (AIEE) of AuNCs in an aqueous media through enclosing AuNCs into in situ formed Zn-MOF has been reported and used for sensitively detecting Zn²⁺, providing an unconventional application of AuNCs/MOF composite for metal ion detection in various samples.

Download English Version:

<https://daneshyari.com/en/article/7553621>

Download Persian Version:

<https://daneshyari.com/article/7553621>

[Daneshyari.com](https://daneshyari.com)