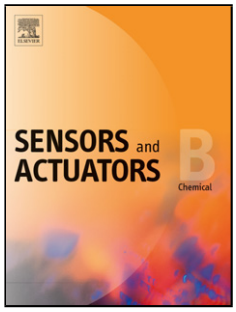

Title: Fluorimetric detection of hypochlorite using albumin stabilized gold nanoclusters

Author: C.L. Gopu A. Shanti Krishna K. Sreenivasan

PII: S0925-4005(14)01546-9
DOI: http://dx.doi.org/doi:10.1016/j.snb.2014.12.004
Reference: SNB 17791

To appear in: *Sensors and Actuators B*

Received date: 24-6-2014
Revised date: 24-11-2014
Accepted date: 2-12-2014

Please cite this article as: C.L. Gopu, A.S. Krishna, K. Sreenivasan, Fluorimetric detection of hypochlorite using albumin stabilized gold nanoclusters, *Sensors and Actuators B: Chemical* (2014), http://dx.doi.org/10.1016/j.snb.2014.12.004

Research highlights

- Simple and sensitive fluorimetric detection method for hypochlorite was developed
- BSA gold nanoclusters prepared in an environment friendly route was used
- Highly selective detection of HOCl and free of interference from other ions
- The application of the method was studied in tap water samples