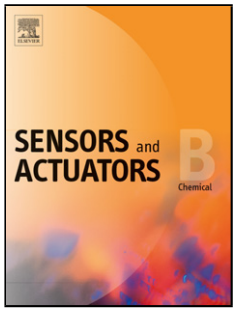


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PII: S0925-4005(17)31789-6
DOI: http://dx.doi.org/10.1016/j.snb.2017.09.129
Reference: SNB 23220

To appear in: *Sensors and Actuators B*

Received date: 8-12-2016
Revised date: 17-9-2017
Accepted date: 19-9-2017

Please cite this article as: Heena Sammi, Deepak Kukkar, Jaskaran Singh, Preeti Kukkar, Rajwinder Kaur, Harmanpreet Kaur, Mohit Rawat, Gurjinder Singh, Ki-Hyun Kim, Serendipity in Solution–GQDs Zeolitic Imidazole Frameworks Nanocomposites for Highly Sensitive Detection of Sulfide Ions, Sensors and Actuators B: Chemicalhttp://dx.doi.org/10.1016/j.snb.2017.09.129

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# Serendipity in Solution–GQDs Zeolitic Imidazole Frameworks Nanocomposites for Highly Sensitive Detection of Sulfide Ions

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## Graphical Abstract

An innovative and facile sensing approach for solution-based sensing of sulfide ($S^{2-}$) anions using nanocomposites of europium doped Graphene Quantum Dots (GQDs:Eu) with Zeolitic Imidazole Frameworks (ZIF-8) has been reported. These nanocomposites are thus demonstrated as an efficient platform for solution-based sensing of $S^{2-}$ ions with high reproducibility and selectivity.