### Accepted Manuscript

Title: Enhanced humidity-sensing response of metal oxide coated carbon nanotube

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PII: S0924-4247(14)00545-7

DOI: http://dx.doi.org/doi:10.1016/j.sna.2014.12.023

Reference: SNA 9006

To appear in: Sensors and Actuators A

Received date: 23-9-2014 Revised date: 12-12-2014 Accepted date: 17-12-2014

Please cite this article as: D. Jung, J. Kim, G.S. Lee, Enhanced humidity-sensing response of metal oxide coated carbon nanotube, *Sensors and Actuators: A Physical* (2014), http://dx.doi.org/10.1016/j.sna.2014.12.023

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#### ACCEPTED MANUSCRIPT

## Highlights

- The sensor can be fabricated easily using a spin-capable CNT.
- Metal oxides were deposited on CNT yarn to improve performance of the sensor.
- Flexibility of the sensor can be achieved by using CNT as sensor platform.

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