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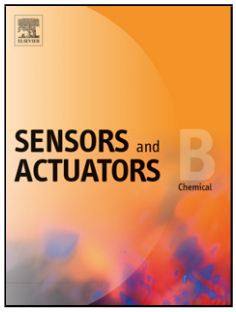

Title: Printed Flexible Electrochemical pH Sensors based on CuO Nanorods

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ACCEPTED MANUSCRIPT

Printed Flexible Electrochemical pH Sensors based on CuO Nanorods

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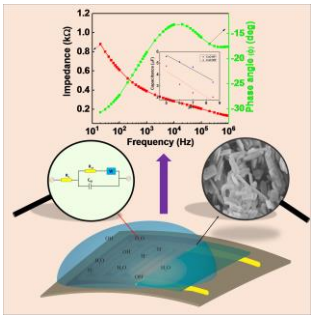
Graphical abstract



Highlights

- CuO nanorods and CuO nanoflower were prepared by hydrothermal synthesis method.
- New flexible capacitive pH sensors were fabricated by using CuO nanostructures.
- Microstructure, morphology and crystal structure of the nanomaterial were investigated.
- The pH sensing performance was proved by electrochemical impedance spectroscopic analysis.
- The sensor performance under different flexible conditions were tested
- The sensor performance in biomedical application were tested.

Abstract

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