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A Low Power Ammonia Sensor Node Embedded with a Light Weight Non-Linear Analytics

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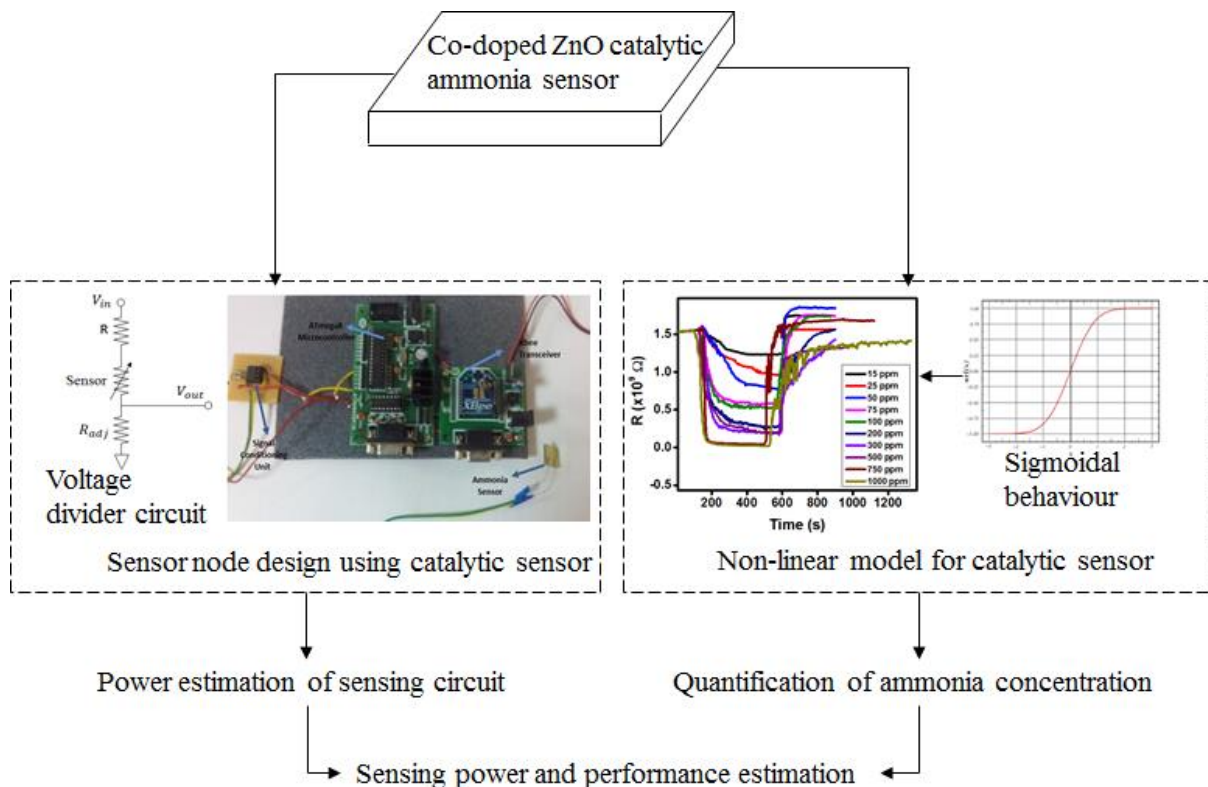
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Highlights

- An in-house fabricated room temperature operated ammonia sensor is used in this work
- A single sensor sensing circuit is designed with low power consumption
- A non-linear light weight model is proposed for accurate quantification of ammonia

Graphical

abstract



Abstract

A wireless gas sensor node with nanosensor for rapid *in-situ* detection of ammonia gas is developed and an analytical model for precise and accurate quantification of ammonia in any industrial or closed environment has been proposed. A nanosensor is preferred due to its highly

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