

## Accepted Manuscript

Title: Monolayer graphene resonators for mass detection: A structural mechanics feasibility study

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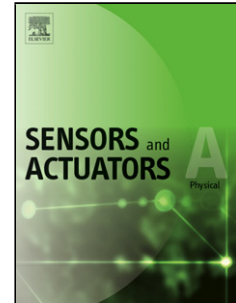
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## Highlights

- An advanced bending model for graphene based nanosensors.
- Finite element modal analysis of circular monolayer graphene sheet.
- Feasibility study for nanomechanical gas detection.

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