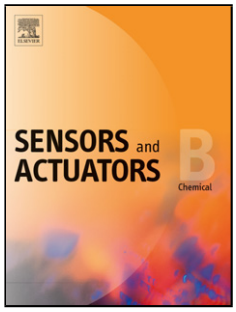

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Hydrogen gas sensing properties of platinum decorated silicon carbide (Pt/SiC) Nanoballs

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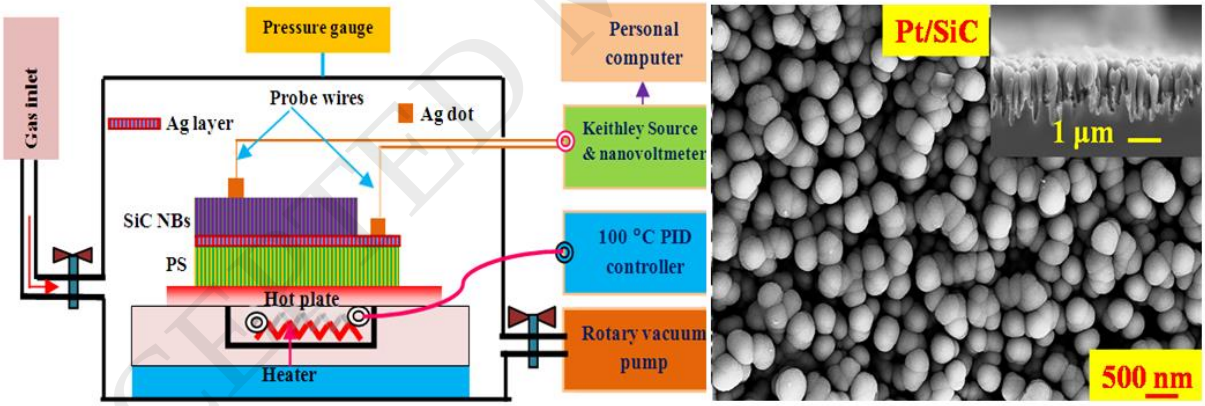
Graphical Abstract:



Highlights:

- Platinum decorated SiC nanoballs (NBs) were grown on porous silicon using RF magnetron sputtering.
- Porous silicon substrates were prepared by metal-assisted chemical etching process.