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ACCEPTED MANUSCRIPT

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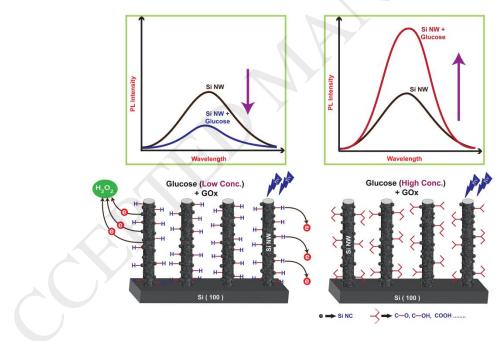
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Highlights:

- Level free glucose detection at μ M level by mesoporous Si nanowire arrays.
- Glucose mediated photoluminescence quenching and anomalous photoluminescence enhancement observed from the same Si NWs.

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