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#### ACCEPTED MANUSCRIPT

# Ion beam assisted fortification of photoconduction and photosensitivity

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### **Highlights**

- The applicability of swift heavy ion irradiation is extended for fortification of photoconductivity, photosensitivity with high specific detectivity for visible (405 nm and 470 nm) photosensor along with UV (355 nm)-sensor.
- Sensors presented here were fabricated without requirement of rigorous synthesis procedures.

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