

Electrical and detection properties of nano silver oxide deposited by reactive pulsed laser deposition

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ABSTRACT

In this presented paper, silver peroxide and the thin films silver oxide have been prepared using Pulse Laser Reactive Deposited (RPLD) technique. Peroxide of silver has been deposited on a p-silicon substrate. Annealing of the films has been taken under vacuum above (200-600°C) to produce oxide films. The silver oxide makes the I-V characteristics. Better (the reverse current has been changed from 20 μ A to 16 mA) in the graph of the characteristics curve of I-V, the current had changed proportional with voltage. The response sensing are sensor has been more visually green (560nm) and near IR (840nm).