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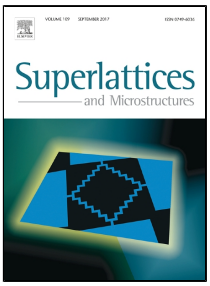

Influence of substrate heating and annealing on the properties and photoresponse of manganese doped zinc oxide thin films

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> Thin films of different crystalline quality were produced under different deposition and annealing conditions

> Photoresponse for the in-plane devices fabricated using these films were studied

> ZnO film deposited and annealed at 700 ºC showed a higher responsivity, response and recovery time and the gain

> Sensitivity to UV light was highest for ZnO film as-deposited at 700 ºC