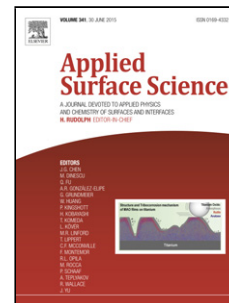


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Fabrication of graphene and ZnO nanocones hybrid structure for transparent field emission device

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Highlight

1. Demonstrated transparent field emission device with CVD graphene and ZnO nanocones.
2. Graphene film was coated on carbon doped ZnO nanocone prepared by ion irradiation.
3. Low turn-on field for the graphene/C:ZnO nanocones hybrid structure is achieved.
4. Graphene/C:ZnO heterostructure is promising for transparent field emission devices.

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