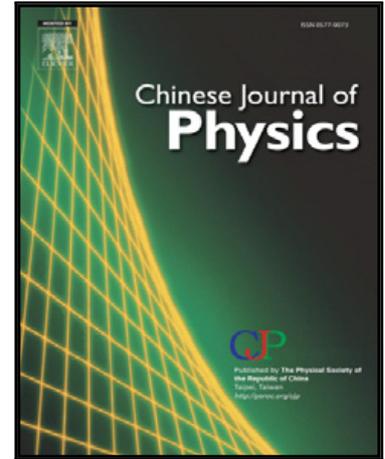


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On the optical energy gap of SmN

Muhammad Azeem

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HIGHLIGHTS

- Near stoichiometric SmN thin films can be fabricated by simple thermal evaporation.
- The films show an onset of optical absorption at 1.2 eV.
- Experimental observations confirm that the DyN and SmN band structures are similar.
- The band structure calculations must be tuned to the experimentally observed values.

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