

## Graphene For Transparent Conductors Synthesis Properties And Applications Lecture Notes In Nanoscale Science And Technology

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Under an applied voltage of 5 V and in 0.5 M PSS, high quality graphene flakes are obtained in a good yield, giving an I D /I G ratio of about 0.86 in Raman spectroscopy. The transparent conductive film prepared from the dispersion of high quality graphene flakes shows great promise due to its low sheet resistance ( R s ) of 1.1 k $\Omega$  and high transmittance of 89%.

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