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Vibrational properties of Mass produced graphene monolayer by chemical method

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Content :

Graphene is a two-dimensional crystal of carbon atoms arranged in a honeycomb lattice. It is a zero band gap semimetal with very unique electronic optical and mechanical properties which make it useful for many applications such as ultra-high-speed field-effect transistors, p-n junction diodes, terahertz oscillators, and low-noise electronic, NEMS and optical sensors.The high quality mass production of this nanomaterial is a big challenge, for this work we have used chemical method which helped to get this goal. Raman and FTIR vibrational spectroscopies were investigated to the examination of the production quality.

Level (Hons, MSc, PhD, other)? :

PhD

Consider for a student award (Yes / No)? :

Yes

Short Paper :

Yes

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