

Length Control of Single Walled Carbon Nanotubes

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Abstract

We report a convenient centrifugation method to separate single-walled carbon nanotubes (SWNTs) with narrow length distribution. The SWNTs were first stirred in 10% HF for 5 minutes. After centrifugation at varied speed and time, different fractions was collected. AFM images show about 80% of SWNTs contain in the sediment have a length varied from 800 nm to 1200nm.

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