

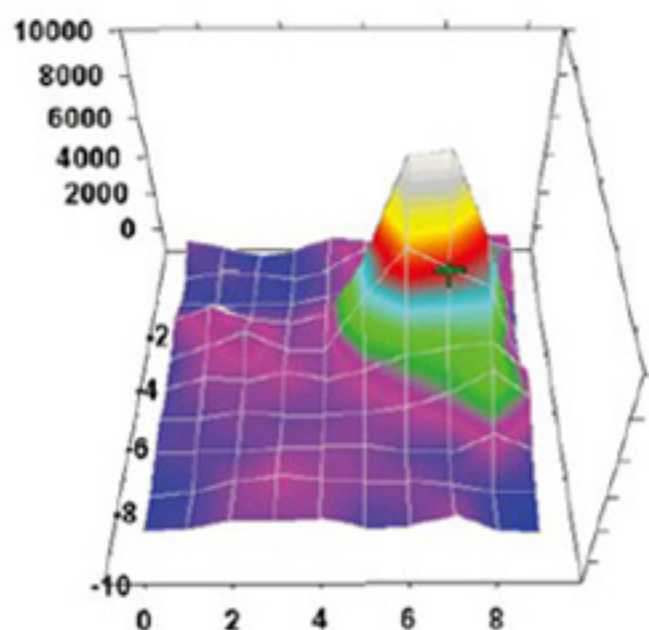
商品化CNT复合材料的测定 II

Measurement of commercially available CNT composite:#2

通过拉曼光谱测定PET类高分子材料中的CNT的分布情况

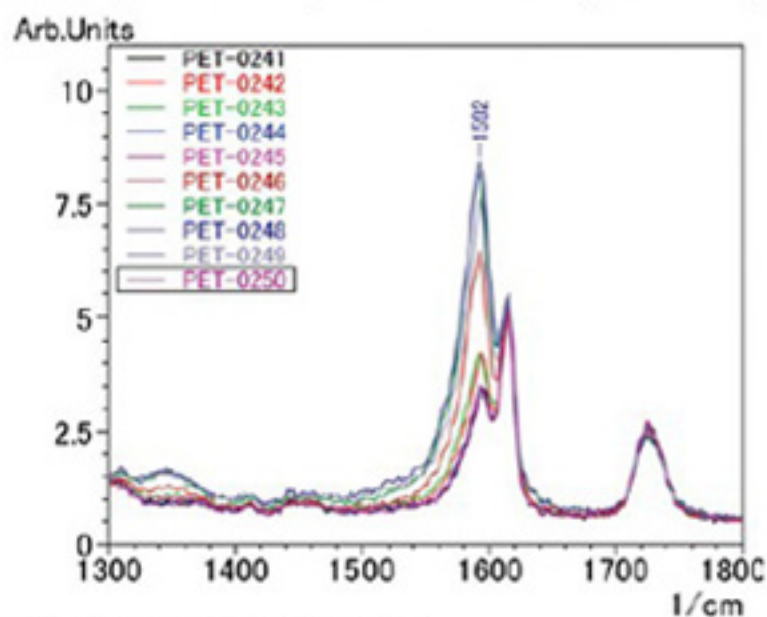
Raman map of CNT dispersion in Polyethylene terephthalate (PET)-related polymeric materials

拉曼光谱 (Ex. 532nm)
G波段 ($1550-1600\text{cm}^{-1}$) 的谱图
($1\mu\text{m}\phi$; $10\times 10=100\text{pt}$)



左图 (1~10点) 为拉曼光谱的重叠

Overlay of Raman spectra from 1 to 10 point of map

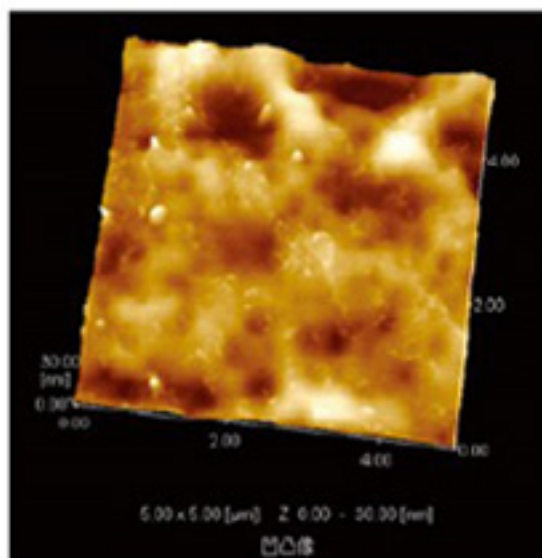


各测定点G波段的强度变化

Comparison of Raman spectra by intensity in the G-band region of each analytical point

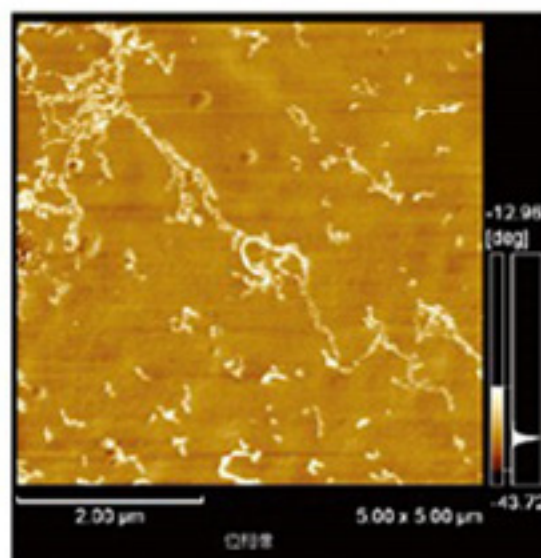
通过探针显微镜观察PET类高分子材料中的CNT的分布情况

Observation of dispersion state of CNT in Polyethylene terephthalate (PET)-related polymeric materials by SPM technique



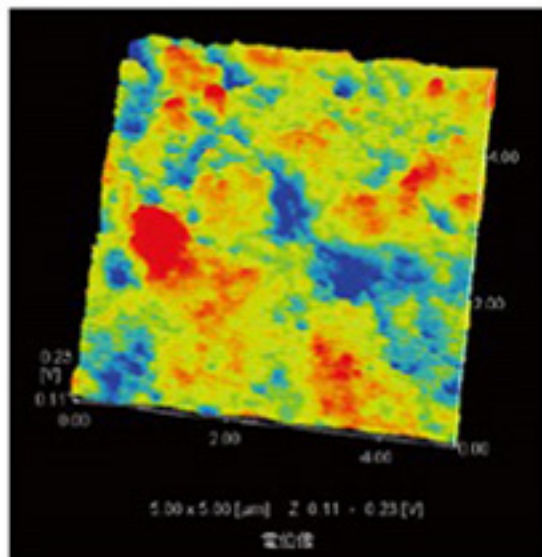
凹凸像 $5\mu\text{m}\times 5\mu\text{m}$

Topographic image



相位像 $5\mu\text{m}\times 5\mu\text{m}$

Phase image



电位像 $5\mu\text{m}\times 5\mu\text{m}$

Electric potential image