明志科技大學
MING CHI UNIVERSITY OF TECHNOLOGY

四技部工讀實務實習

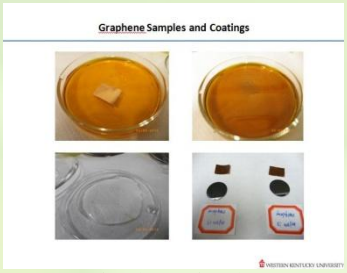
102年成果發表展示會

工作項目

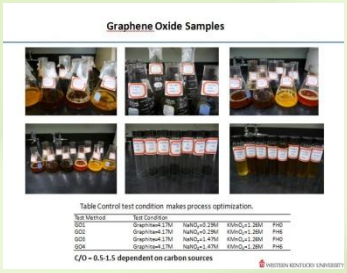
TOPIC

Preparation of Graphene and Graphene Oxide Thin Film

Preparation of Graphene - CVD



Graphene Sample

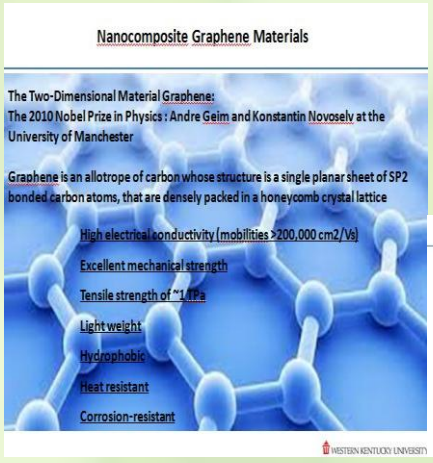


Preparation of Graphene Oxide

內容摘要

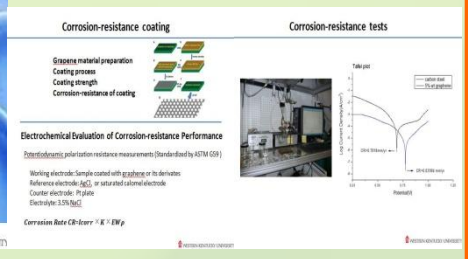
Abstract

Graphene (G), and its derivatives, is an ideal two-dimensional material. It is comprised of a single sheet of hexagonally packed carbon atoms. Graphene has attracted significant research interest because of its excellent properties.



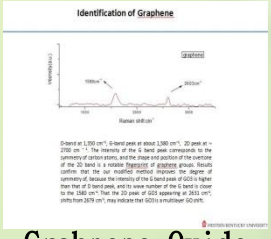
purpose

1. large-scale growth of Graphene.
2. Get low cost, large production.
3. Application.



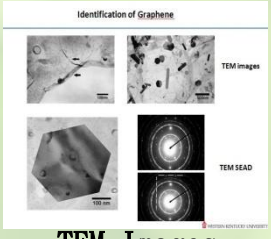
實習成果

Raman test



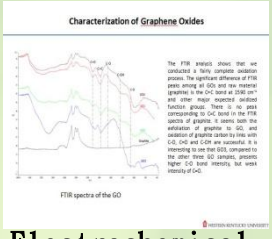
Grahpene Oxide

TEM Images



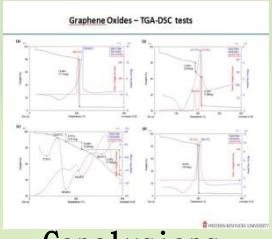
TEM Images

FTIR

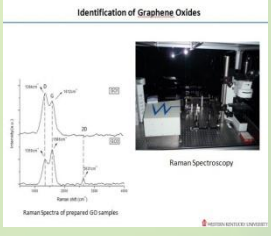


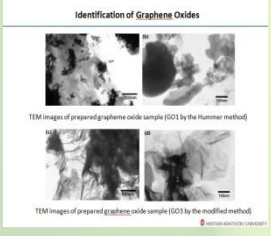
Electrochemical

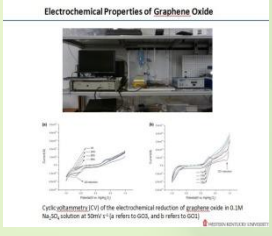
TGA

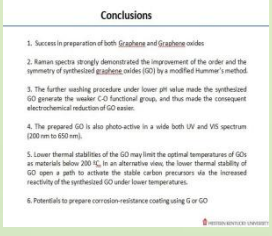


Conclusions









材料工程

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實習廠區:ICSET
實習期間:2012/9~2012/9
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