

Properties and Applications of Graphite Oxides

정혜경

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Graphene has attracted much interest because of its fascinating electronic structure with excellent electron mobility. However, there are some difficulties in making graphene of large and uniform area for real applications. One alternative is graphite oxide. Since graphite oxide is water soluble, it can be sprayed or spin-coating onto any substrates for applications such as Transparent Conducting Film (TCF) and Field Effect Transistor (FET). In this talk, chemical and physical properties of graphite oxide will be discussed. In addition, possible applications made of graphite oxide (GO) will be introduced.