

Graphene: Properties, Preparation and Application Perspective

Yongsheng Chen

yschen99@nankai.edu.cn

State Key Laboratory for Functional Polymer Materials and Center for Nanoscale Science & Technology, Institute of Polymer Chemistry, College of Chemistry, Nankai University, Tianjin 300071, China.

The large scale preparation and characterization of graphene materials and their hybrid and composite materials, together with their various device applications will be presented. These include the results for organic photovoltaic device, light emission device, transparent electrode and memory device, room-temperature ferromagnetism, nonlinear optical limiting, electromagnetic interference shielding and absorbing and photoconducting applications and so on.

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