

Graphene for Biomedical Applications

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Abstract:

Graphene materials since discovery in 2004 have received extensive research and scientific attention due to its extraordinary strength, high surface-to-mass ratio and superconducting properties. In the last a few years graphene has intensively used for biotechnology, biomedicine, bioengineering, disease diagnosis, and therapy applications. This report focuses on the history of graphene and biomedical application of graphene. Furthermore, the synthesis process of graphene and application in biomedical research (e.g. biosensors, bioimaging, targeted delivery, and cancer therapy) discussed in this report.

Keywords: Graphene, biomedical, CVD Graphene.