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Carbon nanostructures and their use in biomedical and energy applications

Nanoscale forms of carbon (e.g. fullerene, carbon nanotubes and graphene) exhibit unprecedented electronic, optical, thermal and mechanical properties. Their use in a variety of applications is being increasingly explored; in addition, two dimensional analogues of graphene, both organic [1] and inorganic are being studied intensively. Here we describe new approaches for the synthesis of such systems [2] as well as the use of carbon nanostructures in biomedical [3] and energy applications [4-6].

References

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