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## Sommario/riassunto

Carbon nanomaterials have a unique place in Nanoscience owing to their exceptional electrical, thermal, chemical and mechanical properties and have found application in areas as diverse as composite materials, energy storage and conversion, sensors, drug delivery, field emission devices and nano-scale electronic components. Conjugated carbon nanomaterial covers the areas of carbon nanotubes, fullerenes and graphene. Graphene is the newest of the carbon nanomaterials and promises to be a very active field. Already since its isolation in 2004 it has grabbed the attention of the chemistry, materi