

Carbon Nanotube And Graphene Nanoribbon Interconnects By Debaprasad Das;Hafizur Rahaman

By Debaprasad Das;Hafizur Rahaman

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Single wall carbon nanotubes and graphene nanoribbons are interesting because they lie between the simple molecular systems 4. Coherent phonons in carbon nanotubes.

Carbon nanotubes (CNTs) are allotropes of carbon with a cylindrical nanostructure. Graphene nanoribbon. The chiral vector is bent,

Methods for preparation of graphene nanoribbons from carbon nanotubes and compositions, thin films and devices derived therefrom US 8703090 B2

Mar 18, 2012 Transformation of graphene nanoribbon into carbon nanotube published at Phys. Rev. B 85, 085428 (2012) by O. O. Kit, T. Tallinen, L. Mahadevan, J. Timonen

Books. Debaprasad Das and Hafizur Rahaman, Carbon Nanotube and Graphene Nanoribbon Interconnects, CRC Press (Taylor and Francies Group), USA.

unzipping of carbon nanotubes to form graphene nanoribbons wall of a carbon nanotube to form a nanoribbon. 1038/nature07872 METHODS

Graphene nanoribbon system in Figure 15.1 (a) generally has the structure developed toward one-dimensional direction, whereas nanographene system in Figure 15.1 (b

Carbon nanotubes and graphene provide high carrier mobility for carbon nanotube (CNT) and graphene nanoribbon Debaprasad Das, Hafizur Rahaman

Analysis of Stability in Carbon Nanotube and Graphene Nanoribbon Sandip Bhattacharya, Debaprasad Das,Hafizur Subhajit Das, Debaprasad Das,Hafizur Rahaman

Nanotube Interconnects Debaprasad Das and Hafizur Crosstalk analysis in Carbon Nanotube interconnects and its impact Debaprasad Das and Hafizur Rahaman

Beryllium substitutional doping within graphene, graphene nanoribbons, and carbon nanotubes are graphene nanoribbons, and carbon nanotubes are investigated

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1. Nature. 2009 Apr 16;458(7240):877-80. doi: 10.1038/nature07919. Narrow graphene nanoribbons from carbon nanotubes. Jiao L, Zhang L, Wang X, Diankov G, Dai H. [Debaprasad Das; Hafizur Rahaman] Carbon Nanotube and Graphene Nanoribbon Interconnects Growth of Carbon Nanotubes and Graphene Nanoribbon

Abstract. Carbon nanotubes (CNTs) and graphene nanoribbons (GNRs) field effect transistor (FET) can be the basis for a quasi one dimensional (Q1D) transistor

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is achieved using flattened carbon nanotubes preferentially attacked to yield regular graphene nanoribbons Materials Chemistry was published between

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The morphologies of graphene nanoribbons (GNRs) encapsulated in single-walled carbon
nanotubes (SWNTs) are investigated using molecular-dynamics (MD) simulation. The

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