



Charge transfer in graphene

By Swarup Supakar

LAP Lambert Academic Publishing Mrz 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x4 mm. Neuware - The fascination of graphene lies in its simple structure yet startling properties. It is easy to run out of superlatives --it is the strongest material known to man, with the highest electrical and thermal conductivities. Its two dimensional nature results in out standing electronic properties such as the integer Quantum Hall Effect and observation of the as celebrated by the 2010 Nobel Prize in Physics to Geim and Novoselov. Perhaps its most impressive aspect is the speed with which real-world applications such as transparent flexible electronics are being realized: This project will involve the fabrication and analysis of Inter facial charge transfer . How does graphene interact with atoms, molecules, and nano particles, with metals, semiconductors and insulators Effectively integrating graphene into devices will require these questions to be answered, but more importantly the interactions between two-dimensional graphene and its environment are fundamentally different to those expected for three dimensional structures. 60 pp. Englisch.



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