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Title: DFT study on the adsorption of diethyl, ethyl methyl, and dimethyl ethers on the surface of gallium doped graphene

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Adsorption of three ether molecules on the surface of Ga-doped graphene has been investigated

High degree of adsorption for all analytes is found

Ga-doped graphene shows p-type semiconductor property upon adsorption of ether molecules

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