

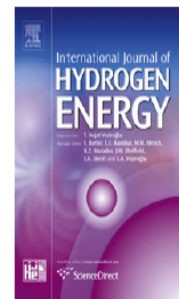


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## Hydrogen adsorption around lithium atoms anchored on graphene vacancies

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### ABSTRACT

Density functional theory and molecular dynamics were used to study the interaction of a lithium atom with a vacancy inside a graphene layer. It was found that the lithium atom