

Exploring the role of K as a promoter in the water-gas shift reaction and methanol synthesis

Researchers:

- Jose Javier Plata Ramos. [Universidad de Sevilla](#) [1].

Idioma Indefinido

Descrição:

Proyecto asignado a través de la [Red Española de Supercomputación](#) [2].

The activity and selectivity of a heterogeneous catalyst can be substantially affected by the addition of a promoter. In this project, we aim to study the influence of K as a promoter for the WGS reaction and methanol synthesis in different Cu based catalyst. Our previous studies demonstrated that K plays an important role in water dissociation but it is unclear its influence in the whole catalytic cycle from a thermodynamic and kinetic points of view.

URL de origem:<https://web.computaex.es/pt-pt/proyectos/exploring-role-k-promoter-water-gas-shift-reaction-and-methanol-synthesis>

Ligações

[1] <https://www.us.es/> [2] <https://www.res.es/>