
Zr-based metal-organic frameworks for biomass valorization

Researchers:

- Manuel Ortuño. [ICIO](#) [1] (Instituto Catalán de Investigación Química).

Idioma Indefinido

Descrição:

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

While fossil fuels deplete, the use of biomass as renewable resources of carbon atoms becomes a promising solution to develop a sustainable industry. Bridging the gap between homogeneous and heterogeneous catalysis, this project will study metal-organic frameworks based on zirconia nodes to catalyze the valorization of biomass-derived feedstocks into high-value chemicals and fuels. Understanding the reaction mechanisms at atomic level of detail will help to guide future experiments.

URL de origem: <https://web.computaex.es/pt-pt/proyectos/zr-based-metal-organic-frameworks-biomass-valorization>

Ligações

[1] <http://www.iciq.org/> [2] <https://www.res.es/>