

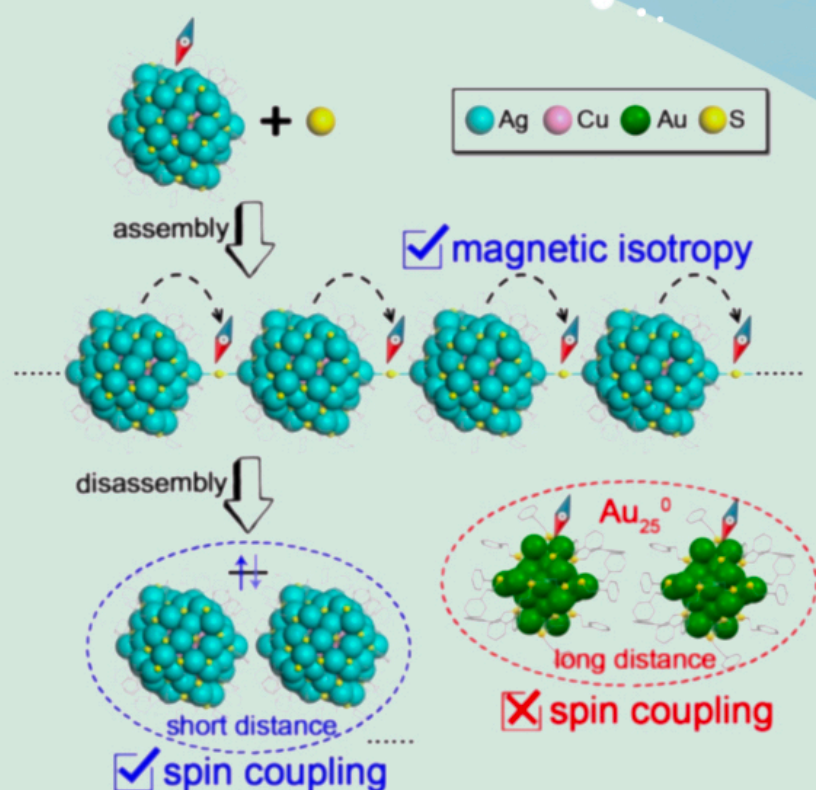
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# Science Island Express

The Science Island Express delivers the most recent happening at HFIPS.

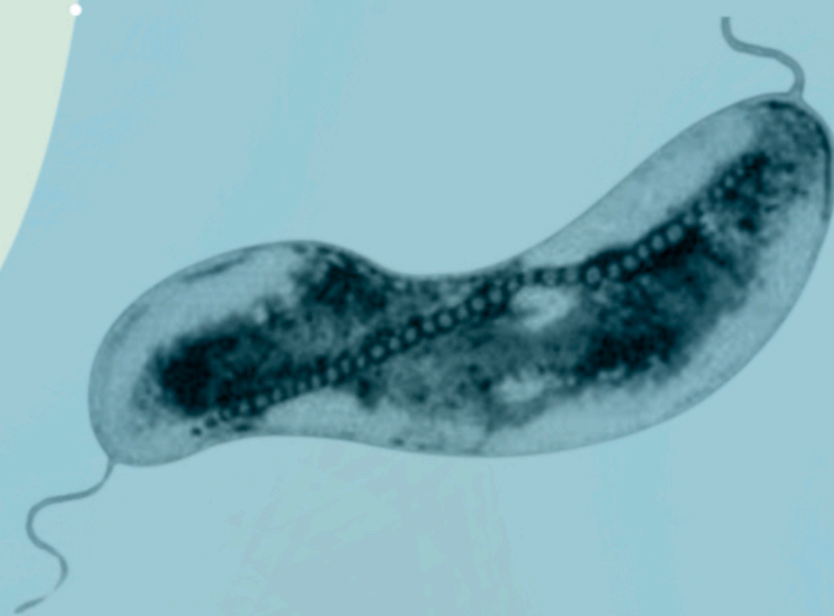
## Material



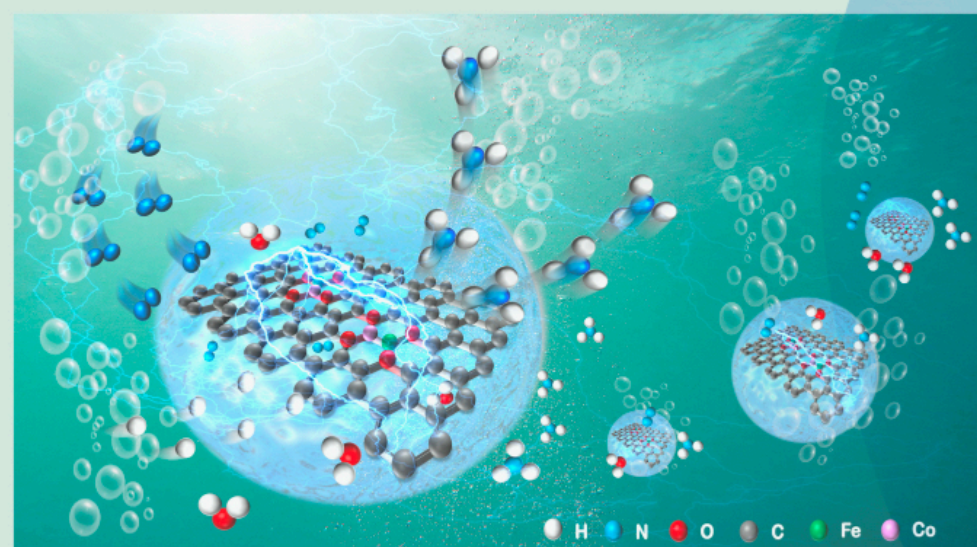
*Nature Communications* published HFIPS's work on preparing a linear assembly structure formed by linking two  $\text{Ag}_{77}\text{Cu}_{22}$  clusters with one sulfur ion using a simultaneous synthesis and assembly strategy through which the joint team also discovered the spin transfer and spin coupling.

## Crossdisciplinary

Inspired by biomineralization mechanism of magnetotactic bacteria, which is called natural "biocompass", HFIPS researchers biomimetically synthesized soft ferromagnetic nanoparticles with high magnetic targeting and tumor tissue penetration.



## Material



HFIPS team has demonstrated the use of controllably synthesized single-atom catalysts to depict the relationship between electrocatalytic nitrogen reduction reaction performance and single-atom loading.

