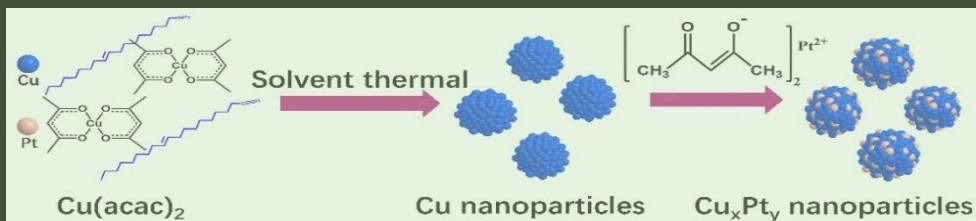


**MATERIAL** A HFIPS-led research published in Applied Catalysis B: Environmental reported the ultrafine  $\text{Cu}_x\text{Pt}_y$  alloying nanoparticles anchored on carbon black ( $\text{Cu}_x\text{Pt}_y/\text{C}$ ) for achieving potential regulation of electrocatalytic hydrogenation of  $\text{Ph-NO}_2$  proposing a new hydrogenation mechanism.



## HEALTH

HFIPS developed a smart functional robot able to simultaneously disinfect both air and object surfaces which is applicable in many medical environment.



## INFORMATION

A HFIPS-led project used a combination of technologies to provide a comprehensive solution by sending an early warning to operating personnel ensuring communication and operation safety in ordinary railway section.

