

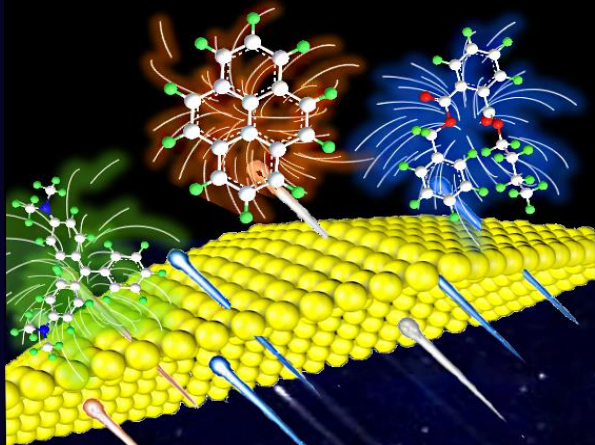
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Science Island Express

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

A general SERS method for active capturing of target molecules



Journal of the American Chemical Society published last week a highly applicable surface-enhanced Raman spectroscopy (SERS) method that HFIPS researchers built a nanocapillary pumping model enabling active capturing of target molecules in small gaps leading to a highly sensitive detection of molecules in different types.

HFIPS's 3.6 meters long and 1.8 meters wide unmanned surface vehicle developed with its partners is under trial operation getting ready for water quality monitoring of Guanting Reservoir, the water source of the 2022 Beijing Olympic Winter Games. The vehicle stands out among available monitoring methods for its comprehensive features and smart software to ensure the fast, in-situ and online monitoring that could not be realized by the existing manual walk-in monitoring.



HFIPS for the 2022 Beijing Olympic Winter Games

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