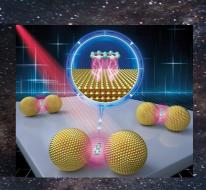


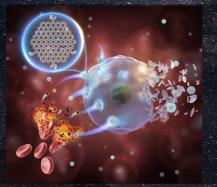
## Science Island Express

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

## **BASIC SCIENCE**

A cleaner and stronger plasmonic field of subnanometer gap Au nanodimer structures are constructed to investigate interactions between polycyclic aromatic hydrocarbon (PAH) molecules and Au nanodimers with a subnanometer gap.



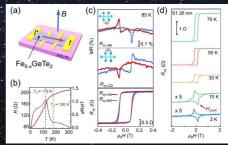


## HEALTH

HFIPS recently-published study introduces N, P diatomic doping to enhance the enzyme activity of graphene quantum dots for high efficiently cancer

## MATERIAL

HFIPS scientists observe a nonreciprocal antisymmetric magnetoresistance in  $Fe_{5-x}GeTe_2$  nanoflakes under an external magnetic field between 85–120 K and they also trace its origin to an additional electric field induced by the domain structure.



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