

Surface And Interface Science

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Surface And Interface Science

The University of Newcastle and UNSW Sydney are using advanced neutron scattering techniques at ANSTO to carry out research on the structure of polymers in complex salt environments that will ...

It's all about the interface with multi-use polymer brushes

I.H. Imada, K. Miwa, M. Imai-Imada, S. Kawahara, K. Kimura, and Y. Kim.: "Single molecule investigation of energy dynamics in a coupled plasmon-exciton system" Phys ...

Chief Scientist Laboratories Surface and Interface Science Laboratory

Many insects can skate atop the water's surface thanks to water tension, but one beetle can apparently tread along the underside of this boundary.

These beetles walk on water, upside down, underneath the surface

Planting 20 percent more trees throughout Europe could help stave off the effects of climate change, with rainfall patterns also rising by an average of 7.6 percent in the summer, according to a new ...

Planting 20% more trees throughout Europe could not only help climate change, but it could boost rainfall during the summer by nearly 8%

This academic research field has long been known for closely studying how users handle and control computational interfaces. What is less known is that the empirical experiments of HCI researchers ...

How HCI research has inspired famous design inventions

Three awards are offered jointly by the RSC Colloid and Interface Science Group and the SCI Colloid and Surface Science Group. The McBain Medal recognises the achievement of early career researchers ...

Colloid & Interface Science Group

Suzanne P. Anderson received the 2020 G. K. Gilbert Award in Surface Processes at AGU's virtual Fall Meeting 2020. The award recognizes "sustained and outstanding contributions to the field of Earth ...

Anderson Receives 2020 G. K. Gilbert Award in Surface Processes

Protein immobilization on graphene oxide or reduced graphene oxide surface and their applications: Influence over activity, structural and thermal stability of protein.

Advances in colloid and interface science

Latest Explore all the latest news and information on Physics World; Research updates Keep track of the most exciting research breakthroughs and technology innov ...

'Slidetrionics' makes its debut

Three researchers making a material difference.

Makers and shakers

It takes a lot of teamwork to survive floods, and fire ants cooperate in the tens of thousands to build rafts of their bodies to float until the water subsides. Now, a time-lapse video shows how these ...

Watch thousands of fire ants form living 'conveyor belts' to escape floods (Video)

Salesforce's Tableau has more integrations with Salesforce as well as Google Cloud BigQuery and Amazon SageMaker and support for Linux-based containers.

Tableau's latest update aims for AI enhanced augmented analytics, broader access to data

Widespread adoption of hydrogen-powered vehicles over traditional electric vehicles requires fuel cells that can convert hydrogen and oxygen safely into water — a serious implementation problem. Resea ...

New Tool Created to Aid in Development, Efficiency of Hydrogen-Powered Cars

In addition to exploring these fundamental science questions, this project supports the education and training of undergraduate and graduate students from diverse backgrounds, at the intersection of ...

Collaborative Research: Understanding and Tuning the Molecular Arrangement and Charge Storage Properties of Textured Graphene-Ionic Liquid Interface

Harnessing the self-organization of molecules The self-organization of molecules on a surface, as an interface to the device ... the Ministry of Culture and Science of North Rhine-Westphalia ...

New method for molecular functionalization of surfaces

Present address: Biological Cryo-EM Center, Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong, China. See allHide authors and affiliations The merozoite surface ...

Structure of the merozoite surface protein 1 from Plasmodium falciparum

Please click here to login and add to your list of Interest Groups. Three awards are offered jointly by the RSC Colloid and Interface Science Group and the SCI Colloid and Surface Science Group.

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