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## **gold nanoparticles synthesis optical properties**

Researchers have demonstrated that stretching shape-memory polymers embedded with clusters of gold nanoparticles alters their plasmon-coupling, giving rise to desirable optical properties. One

## **plasmon-coupled gold nanoparticles useful for thermal history sensing**

Using DNA structures as scaffolds, scientists hae shown that precisely positioned gold nanoparticles can serve as efficient energy transmitters.

## **energy transmission by gold nanoparticles coupled to dna structures**

Ferrocene has been commonly studied due to its properties and applications in research comprising organic synthesis, catalyst and materials via glutaraldehyde linkers. Gold nanoparticles (AuNPs)

## **hexaferrocenium tri[hexa(isothiocyanato)iron(iii)] trihydroxonium complex as a new dna intercalator for electrochemical dna biosensor**

Columbia Engineering researchers, working with Brookhaven National Laboratory, report today that they have built designed nanoparticle-based 3D materials that can withstand a vacuum, high temperatures

## **building tough 3d nanomaterials with dna**

Scientists develop novel strategy to produce near-oxygenless carbon nanodots, helping shed light on the role of oxygen in their optical properties.

## **shining up carbon nanodots: a new synthesis pathway for enhanced fluorescence**

A significant advance in optical tweezer technology, developed by researchers at the UTS Institute for Biomedical Materials and Devices, will help boost biomedical research. Much like the Jedis in

## **advance in ground-breaking "optical tweezers" to boost biomedical research**

The top layer is made of an opal-like film of silk fibroin doped with light-absorbing gold nanoparticles (AuNPs) chose silk fibroin for its flexibility and promising optical properties as well as

## **photonic-crystal 'sunflower' follows the light**

Scientists from Tomsk Polytechnic University jointly with Russian colleagues and researchers from Technical University of Denmark the first time have experimentally proved the existence of a

## **curved plasmonic fluxes reveal new way to practical light manipulation within nanoscal**

In this new world of fluid technologies, hybrid nanofluid has become a productive subject of research among scientists for its potential thermal features and abilities, which provides an excellent