



## Thin films of a new Smart hybrid material, with nanometric thicknesses

UAM - mi+d

Researchers from the IAdChem (Institute for Advanced Research in Chemistry) of the Autonomous University of Madrid (UAM) have managed to design a new composite material with better resistance and flexibility, smart in addition, and with nanometric thickness.

## MixedEmotions: open source toolbox for emotion

UPM - mi+d

A European team of researchers, including Universidad Politécnica de Madrid, has developed an open-source toolbox to assess emotions in texts, audios and videos.

## Hexenyl butyrate

UPV

The IBMCP (UPV-CSIC) shows that tomato aroma protects plants from bacterial attacks.

## Taking graphene mass production to the next era

CORDIS

Graphene's unique combination of properties paves the way for a wide variety of applications, from energy and electronics to biomedical devices and aircraft. To meet these increasing demands, researchers have to scale up graphene production to industrial scale.

## Giving water a second life

EASME-EU

On 14th December, the Spanish embassy in Brussels hosted the final conference of the iMETland project (A new generation of Microbial Electrochemical Wetland for effective decentralized wastewater treatment).

## Age and foaming: how to predict when a volcano will erupt

Horizon Magazine

The eruption of a volcano can have devastating consequences - killing people and destroying livelihoods, as well as releasing vast amounts of ash into the sky that disrupts air travel and alters the climate.

## First rare earth-free MnAlC permanent magnet filaments

IMDEA Nanociencia

The first fabrication of rare-earth-free MnAl-based continuous filaments with permanent magnet properties has been achieved.

## CNIO researchers confirm links between aggressive prostate cancer and hereditary breast cancer

CNIO

Published in the Journal of Clinical Oncology, the study has potential implications for families with members suffering from these two types of tumours who are at an increased risk of developing cancer.

## Blocking hypertension with antihypertensive drugs prevents the development of a lethal disease

CNIC

The study results, published in the journal Nature Communications, identify several proteins implicated in this disease .

## The Citizens' App: Europe in the palm of your hand

European Parliament

In a bid to draw in citizens from across the continent, the EU is set to roll out a major new initiative that aims to inform people on the achievements of the European project, future goals, and the European Parliament's hand in making these objectives a reality.