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ÁREA: *Agricultural Sciences*

Development of cellulose-based bactericidal nanocomposites containing silver nanoparticles and their use as active food packaging

ÁREA: *Chemistry*

A review on chemiresistive room temperature gas sensors based on metal oxide nanostructures, graphene and 2D transition metal dichalcogenides

Emergence of complexity in hierarchically organized chiral particles

Folding of xylan onto cellulose fibrils in plant cell walls revealed by solid-state NMR

Molecular docking and structure-based drug design strategies

Plasmonic biosensing: focus review

Yolk-shelled ZnCo₂O₄ microspheres: Surface properties and gas sensing application

ÁREA: *Clinical Medicine*

Prevention of viral transmission during lung transplantation with hepatitis C-viraemic donors: an open-label, single-centre, pilot trial

ÁREA: *Materials Science*

A non-volatile organic electrochemical device as a low-voltage artificial synapse for neuromorphic

computing

ÁREA: *Molecular Biology & Genetics*

Functional and evolutionary insights from the genomes of three parasitoid *Nasonia* species

ÁREA: *Physics*

Analyzing and modeling real-world phenomena with complex networks: a survey of applications

Antiproton flux, antiproton-to-proton flux ratio, and properties of elementary particle fluxes in primary cosmic rays measured with the Alpha Magnetic Spectrometer on the International Space Station

Boosting the sensitivity of Nd³⁺-based luminescent nanothermometers

Bose-Einstein condensation: twenty years after

Observation of new properties of secondary cosmic rays lithium, beryllium, and boron by the alpha magnetic spectrometer on the International Space Station

Precision measurement of the boron to carbon flux ratio in cosmic rays from 1.9 GV to 2.6 TV with the Alpha Magnetic Spectrometer on the International Space Station

Precision measurement of the helium flux in primary cosmic rays of rigidities 1.9 GV to 3 TV with the Alpha Magnetic Spectrometer on the International Space Station

Precision measurement of the proton flux in primary cosmic rays from rigidity 1 GV to 1.8 TV with the Alpha Magnetic Spectrometer on the International Space Station

The Kuramoto model in complex networks

The Pierre Auger Cosmic Ray Observatory

Towards understanding the origin of cosmic-ray positrons

ÁREA: *Space Science*

Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy

Detection of variable VHE γ -ray emission from the extra-galactic γ -ray binary LMC P3

Introducing the CTA concept

Multi-messenger observations of a binary neutron star merger

Observation of a large-scale anisotropy in the arrival directions of cosmic rays above 8×10^{18} eV

