

Intracellular substance sampling systems equipped with a nano spray tip, which is a glass capillary with a diameter of several microns, are used to develop new medicines. First, candidate drugs are ...

Under simulated sunlight conditions, the photoelectrons produced by the intracellular QDs are directly transferred to the redox mediator of enzymes distributed in the cytoplasm to produce ...

Abstract Over the last half century, the delivery of pharmacologically active substances, such as synthetic drugs, natural compounds, gene material and many other pharmaceutical products, has ...

An in-depth study of the radiation attenuation caused by these substances is conducted to validate a predictive model that estimates the required solar exposure time based on the average ...

We elucidated the molecular mechanisms governing CO₂ fixation synergistically coupled with organic pollutant degradation and biosynthesis of PHB, focusing on photoelectron-mediated ...

Solar water disinfection (SODIS) is a zero-cost intervention measure to disinfect drinking water in areas of poor access to improved water sources, used by more than 6 million people ...

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