
Cathrie Mobile Energy Storage Container for Cement Plants

A quick disease diagnosis, improved plant nutrient absorption, and increased plant capability to absorb nutrients can be achieved by nanotechnology in the food and agriculture ...

Nanoparticles, typically from 1 to 100 nm in size, have unique physical and chemical properties that allow them to penetrate biological barriers, making them effective in ...

Phytohormone signaling pathways comprise intricate biochemical networks that enable plant hormones to regulate growth, development, and stress responses by transmitting ...

Nanocarrier delivery has huge potential in agriculture; however, there are significant scientific and societal barriers to overcome. In this Review, the authors explore the state of the ...

Plant genetic engineering is an evolving discipline that contributes to crop improvement by introducing desirable traits into crop plants, such as improved yield, enhanced ...

The interplay between nanoparticles (NPs) and plants greatly promotes the development of research fields like nanotechnology, agriculture, food scienc...

By 2050, the global population is projected to reach 9 billion, underscoring the imperative for innovative solutions to increase grain yield and enhance food security. ...

The integration of engineered nanomaterials (ENMs) with plant systems has led to the emergence of plant nanobionics, a field that holds the potential to enhance plant capabilities significantly. ...

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