



Belarusian Clam Photovoltaic Container

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Sweeney and her team examined how giant clams synthesize sunlight for energy. They designed a model similar to the clam's unique structure to carry out their research. Their innovation ...

An iridescent giant clam hooks up with algae to inspire a new, nature-based approach to solar cell technology.

Seeking efficient designs, Sweeney and colleagues looked to giant clams, which can grow to 4 feet across, thanks to symbiotic algae that produce some essential clam nutrients.

Giant clams are found in the shallow coral reefs of the Indo-Pacific region. These animals have a symbiotic relationship with algae, which live inside their tissues. Algae perform photosynthesis, ...

Food crops grown under high solar energy, similar to the tropical environment of the clam, only convert around three percent of the energy in sunlight into usable sugars. Then, what is the secret behind the ...

In the new study, the researchers resolved this discrepancy by factoring in a quirk of clam behavior: there is evidence that clams might inflate and deflate their mantle throughout the day.

Solar panel and biorefinery designers could learn a thing or two from iridescent giant clams living near tropical coral reefs, according to a new Yale-led study.

In the new study, the researchers resolved this discrepancy by ...

The isolated dilute suspension of algae from a giant clam was used on the walls of the cylinder to perform photosynthesis-irradiance behavior. This setup helps to explore resource ...

I recently received a patent for an energy harvesting platform modeled on the Giant Clam as a solar flux processor. A contained eco system for Concentrated Photovoltaic (CPV). The top...



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