Green algae solar power generation

A team of researchers from India became the first to make solar cells from live freshwater algae, per PV Magazine. Pithophora usually grows on the ...

Concordia researchers harness energy from algae"s photosynthesis, offering a sustainable, low-emission energy solution.

Scientists from Yonsei University in South Korea have developed a novel method to produce electricity from engineered green algae via a cellular ...

The team fabricated a bio-photovoltaic device using a macroscopic filamentous freshwater algae, Pithophora, commonly found at the bottom of ...

Conventional bio-photovoltaic cells have utilized unicellular photosynthetic microorganisms such as cyanobacteria and unicellular green algae. This study describes electricity generation ...

This study presents a novel Living Biophotovoltaic (Living BPV) system designed to simultaneously generate photocurrent and hydrogen using metabolically active green algae ...

Introducing green energy-producing systems that are based on harnessing the photosynthesis in plants or algae would be a groundbreaking ...

These solar cells utilise the photosynthetic properties of microorganisms such as algae to convert light into electric current that can be ...

As an artificial photosynthesis design, here we demonstrate the conversion of swimming green algae into photovoltaic power stations. The engineered algae exhibit bioelectrogenesis, en ...

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