

Lack of oxygen and seeing stars Solar power generation

The solar power solution is clean and renewable and reduces the overall cost of running PSA plants, whilst protecting children from air pollution and other potential environmental risks. This sustainable ...

- An international team of scientists has determined that massive stars do not make as much oxygen as previously thought. The finding is highly unexpected and has implications not only ...

Hydrogen doesn't burn in the conventional sense but undergoes fusion, transforming into helium. It is this fusion process that causes the sun to emit light, not combustion. Thus, the sun ...

Concentrated oxygen, vital in the care of some of our sickest patients, is challenging to transport and expensive to produce. MSF SIU's logistician Per-Erik investigates a simple solution to ...

This article explores the physiological mechanisms behind seeing stars, or photopsia, caused by insufficient oxygen reaching the brain and retina, detailing common triggers like sudden ...

Earth has been plunged into darkness - a rogue planet from a parallel universe has entered our Solar System, blocking the Sun. Help the Doctor discover what this means for humans and answer ...

Solar is a very good power option. PV = photovoltaic - refers to the parameters by which solar panels harness electricity. Electricity is a major cost in PSA systems, so if it's free, oxygen is essentially free.

Children with severe pneumonia associated with hypoxaemia require oxygen (O₂) therapy, which is scarce across resource-constrained countries. Solar-powered oxygen (SPO₂) is a novel ...

Without proper evolutionary adaptation to the spectral solar irradiance, operation of mitochondrial respiration would be presumably impossible and life would be restricted to a world without light.

Here, we use a coupled thermal-geochemical-climate model of terrestrial planet evolution to illustrate three scenarios whereby significant abiotic oxygen can accumulate around sun-like stars, ...

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