

In the context of aviation, solar energy can be harnessed using photovoltaic cells, commonly known as solar panels, which convert sunlight into electricity. Solar-powered aircraft utilize ...

Researchers have overcome efficiency and power issues to create what they believe to be the lightest and smallest sunlight-powered rotorcraft in the world.

The CoulombFly is capable of flying in the sky with rotors that are lighter than paper, and a video explaining what kind of drone it is has been released.

Solar power is evolving rapidly--and this time, it's taking flight. A team of researchers in Austria has successfully combined solar panels with drone technology, and the initial results are ...

Our stratospheric solar-electric airplane is more than just an aircraft -- it's a catalyst for innovation, a challenge to the status quo of aviation. Designed by Calin Gologan and German company Elektra ...

Researchers have unveiled a solar technology so thin that it could redefine the future of aviation. This cutting-edge development harnesses the power of solar panels that are 20 times ...

Flying in a figure-eight pattern, our kites generate maximum lift and tensile force. As they climb, they pull a tether from a ground-based winch, which spins a generator to produce electricity.

With applications ranging from powering drones to enabling energy generation in remote locations and even space, this flying solar panel system presents exciting new possibilities for ...

Solar-powered aircraft are electric aircraft that can be an airplane, blimp, or airship and use either a battery or hydrogen to store the energy produced by the solar cells and use that energy at night when the sun isn't shining.

At Airbus, we are working to use this alternative renewable energy source to power high-endurance stratospheric flight. Our advances in solar cell technology enable unmanned aerial vehicles to stay ...

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