Fast charging of folding containers for field research

Thanks to fast-charging capabilities, many systems can be fully recharged in just a few hours, providing enough power for a full day of data collection or an evening of analysis.

Foldable containers are considered an effective solution to deal with the endemic imbalance in the repositioning of empty containers. Several foldable containers were commercialized ...

This paper introduces three different shapes of wireless charging containers and presents optimal current flow designs for the coils to enhance the uniformity of magnetic flux distribution inside ...

This paper presents an octagonal prism-based wireless charging container with multiple folding coils winding equidistantly around the surface of the container.

This article delves into the essentials of fast charging for research, exploring its benefits, challenges, and future potential. By the end, you"ll have actionable insights to optimize your research ...

In this paper, a novel foldable coil and charge station design is proposed for the wireless charging of UAVs. IPT is provided by receiver and transmitter coils placed on the drone legs and the ...

In this paper, a novel wireless charging bowl with multiple transmitter coils is proposed to power portable devices.

Abstract: The optimized folded coil designs for octagonal prism-based wireless charging containers have been verified to effectively enhance the magnetic field distribution inside the chambers as compared ...

The ORIA 3-in-1 wireless charger allows for convenient and efficient charging of multiple devices at the same time, with charging indicator and adjustable night light features.

This review aims to provide a comprehensive and in-depth perspective on the latest research progress in the field of flexible wireless charging energy storage devices.

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