As sustainability and the adoption of renewable energy become increasingly prominent on the international agenda, energy storage plays an increasingly essential role in facilitating this transition while ensuring a secure and reliable energy supply. According to Lyapunov’s second method for stability, the stability of a dynamic system, such as a power grid, depends on maintaining an energy balance. With the integration of renewables into power grids, maintaining this balance has become more challenging. Consequently, many renewable energy farms now require the installation of energy storage systems to preserve the energy balance and, thus, the stability of the power grid. Clearly, energy storage is vital in the transition to an era dominated by renewable energy.

The journal of Energy Storage and Applications (ISSN: 3042-4011) [1] emerges as a pivotal platform dedicated to advancing the field of energy storage research and applications. This journal aims to foster innovative research and interdisciplinary collaborations and drive the global agenda towards a future of sustainable energy while ensuring a good-quality and reliable energy supply.

Energy storage research is inherently interdisciplinary, bridging the gap between engineering, materials and chemical science and engineering, economics, policy and regulatory studies, and grid applications in either a regulated or market environment. The journal of Energy Storage and Application recognizes this complexity and actively promotes interdisciplinary research to develop comprehensive and effective energy storage solutions. By fostering collaborations among experts from diverse fields, the journal facilitates the integration of technical innovations with policy analysis, economic assessments, and environmental considerations. This holistic approach ensures that the research published is not only scientifically rigorous but also practically applicable, economically viable, and environmentally sustainable, driving the global transition towards sustainable energy supply.

The journal of Energy Storage and Applications aims to serve as a premier platform for publishing comprehensive research in the field of advancing energy storage technologies and applications, bridging the gap between scientific discovery and practical implementation. By focusing on both theoretical and practical aspects of energy storage and its applications, the journal facilitates knowledge transfer, promotes sustainable practices, and enhances energy security. It actively encourages studies on renewable energy integration, energy storage advancements, and innovative efficiency approaches while addressing environmental challenges and reducing carbon footprints. By publishing studies that integrate technological advancements in material and chemical engineering and electricity grid applications together with regulatory frameworks and socioeconomic considerations, the journal provides a holistic view of energy storage and application solutions. The journal also emphasizes global collaboration by welcoming contributions from researchers worldwide and supporting cross-border partnerships. By remaining at the forefront of energy storage innovation and highlighting emerging trends and technologies, together with effective applications, the journal of Energy Storage and Applications plays a critical role in the shaping of a sustainable and resilient energy future.

Energy Storage and Applications focuses on investigating novel storage technologies, analytical and modeling techniques, system integration, and operational strategies in...
storage systems. Through this focus, the journal aspires to facilitate scholarly discourse and innovation in energy storage research and applications.

The scope of the journal encompasses a wide array of topics within the domain of energy storage, aiming to cover the multifaceted scientific, technological, and application-based aspects of energy storage systems. The main subject areas include, but are not limited to, the following:

- Energy storage technologies;
- Energy storage system management;
- Energy storage applications;
- Strategies in renewable energy generation grid integration;
- Distributed storage systems;
- Economics and market for energy storage.

The journal of *Energy Storage and Applications* welcomes submissions of various forms, including original research articles, reviews, short communications and so on. We hope you will join us in helping to make the journal a success by contributing your valuable research and practical insights in the field of energy storage technologies and applications. Together, we can advance the field of energy storage and applications and support the global transition to sustainable and efficient energy solutions.

**Conflicts of Interest:** The author declares no conflicts of interest.

**Reference**

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