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Development of Thermodynamic Storage Technology

Guest Editor:

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Deadline for manuscript submissions:
30 December 2024

Message from the Guest Editor

Dear Colleagues,

This research topic aims to address the issues existing in the development of thermodynamic energy storage. Attention will be paid to compressed air energy storage, compressed CO_2 energy storage, and Carnot batteries, including system construction, numerical modeling, and experimental research. Investigations of system components for enhancing system performance are also welcome.

We welcome original research articles, review articles, and other papers. Suggested topics are as follows, but are not limited to:

- Compressed air energy storage;
- Compressed CO_2 energy storage;
- Brayton Carnot battery;
- Heat pump and Rankine cycle;
- The thermodynamic analysis and optimization of energy storage;
- The dynamic modeling of energy storage;
- Experimental tests of thermodynamic energy storage;
- Key component investigations of thermodynamic energy storage.

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Message from the Editor-in-Chief

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