Special Issue

Development in Thermochemical Energy Storage

Message from the Guest Editor

I am very happy to invite you to contribute to the highly interesting area of thermochemical energy storage (TCES) in this upcoming Special Issue. Thermochemical energy storage is a brand new area of research with a wide range of potential applications. The energy of chemical reactions stored in chemical materials can be used to generate heat and even power when necessary. In contrast to other energy storages like sensible or latent energy storages, high energy densities are possible as well as long storage times and transport, if necessary. Further, the operating conditions can vary in a wide range of temperatures and pressures depending on the TCES system in use. Research in combustion of solid, liquid, and gaseous fuels already has a long history of optimization; by contrast, thermochemical energy storage is a very young field of research where many areas are still unknown. Thus, there is much to gain; however, strong efforts are necessary to develop practical TCES systems and bridging fundamental research with application...

Guest Editor

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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