

Special Issue

Advanced Research on High-Energy Performance Compressors

Message from the Guest Editors

Driven by global carbon reduction targets, compressors as a heavy consumer of energy will face many opportunities and challenges. It is urgent to research and develop more energy-saving and innovative products. Thus, relevant fundamental and practical research is necessary. The aims and topics of this *Energies* Special Issue on “Advanced Research on High-Energy Performance Compressors” cover all cutting-edge studies on various compressors in different applications, including refrigeration fields, heat pumps, nature gas fields, gas gathering and transportations, hydrogen utilization, oil and gas exploitation, etc. The following topics, among others, are included in this issue:

- Numerical simulation and experiments in compressors;
- High-pressure hydrogen compressors for hydrogen refueling stations;
- Large compressors for gas storage and transportation;
- Carbon dioxide compressors for new energy vehicles;
- High-performance compressors for fuel cell vehicles;
- Energy saving technologies and applications on compressors;
- Intelligent fault diagnosis system and noise control methods for compressors.

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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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