Topical Collection

Energy Transition Towards Carbon Neutrality

Message from the Collection Editors

Carbon peaking and neutralization are significant to limit the temperature increase to well below 2 °C and avoid the negative impacts of climate change caused by the sharp increase in carbon dioxide emissions. This Topical Collection focuses on analyzing carbon emission mitigation pathways in different sectors and accepts contributions that address mainly energy economics, policy, and technological innovations, which have been playing an increasing role in the realization of global energy transition in recent years. Particular attention is devoted to exploring the dynamics and effects of carbon neutrality goal using different approaches and models of sustainable energy supply and demand in terms of resources and environmental impacts. Invited topics for this Topical Collection include but are not limited to:

- Energy–material–carbon nexus;
- Energy–water–food nexus;
- Advances in energy supply and demand technologies;
- Advances in energy storage technologies;
- Technological advances in carbon intensive industries; and
- The role of society in energy transition.

Collection Editors

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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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