

Topical Collection

Feature Papers in Advanced Energy Materials

Message from the Collection Editor

Advanced energy materials are crucial for the required technology breakthroughs in the transformation of the global energy sector from fossil-based to zero-carbon. There is a continuous effort on research and development for novel and improved materials applied in energy generation, low energy processing, energy conservation and conversion that supports the energy transition. In this Topical Collection, papers selected by invitation (publication fees waived) will be featured, covering interesting advances in materials for energy storage and conversion applications including:

- Energy to chemicals;
- Energy related catalysis;
- Thermoelectrics, photovoltaics, and photo-electrosynthesis cell;
- Waste heat recovery and thermal energy management;
- Batteries, electrolytes and electrodes;
- Fuel cells;
- New inorganic, hybrid, bioinspired and bioderived materials.

Collection Editor

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About the Journal

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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