

Special Issue

Challenge and Research Trends of Solar Concentrators II

Message from the Guest Editors

As the most abundant renew energy resource, solar energy has attracted interest from scientists all over the world. In order to increase its efficient use, solar concentrators maximizing sun power density are widely used in solar energy research and applications. New progress in solar concentrators is of vital importance for further breakthroughs in the following and many other research areas:

- Solar CPV electricity generation;
- Solar fuel production of H₂, syngas, liquid, and gas hydrocarbons;
- Cycles for chemical storage of solar energy with ZnO, CeO₂, iron, and silica;
- High added-value material synthesis and/or coating deposits of nanomaterials, new ceramics or metals, foams, catalytic layers;
- High-flux photochemistry and photophysics;
- Characterization of materials' behavior and properties under extreme conditions;
- Solar pumping of laser for industrial and space applications.

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Deadline for manuscript submissions

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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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