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Recent Progress in Metal-Organic Frameworks for Energy-Related Applications

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Message from the Guest Editor

Dear Colleagues,

I would like to invite you to submit your contributions to this Special Issue of Energies on the subject area of “Recent Progress in Metal-Organic Frameworks for Energy-Related Applications”. Metal-organic frameworks (MOF) a family of porous materials marks among the top inventions in material science. The reticular synthesis approach has allowed designing MOFs with desire structure, composition and properties. Over the last two decades, significant milestones and breakthrough have been achieved in developing MOFs based applications. MOFs hold potential in a wide range of applications such as for gas storage, molecular separation, catalysis, drug delivery, sensing biomedical imaging and ion exchange.

Among the emerging applications of the MOFs are energy-related such as fuel cell, batteries, solar cells, CO₂ to fuel, photo-induced hydrogen evolution, lighting and supercapacitors.

This energies special issue aims at providing a comprehensive guide on the development of MOFs for energy-related applications.



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Special Issue



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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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