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Metal Organic Frameworks in Energy Storage

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Message from the Guest Editors

Dear Colleagues,

Metal-organic frameworks (MOFs) have attracted considerable attention for various applications because of their high adsorption capacities relative to other porous materials. By use of different organic and inorganic constituents, MOFs can be prepared in a variety of sizes, shapes and with different porosities and surface functionalities. Thus, MOFs and their derivatives have potential applications in clean energy storage, such as batteries, catalysis, supercapacitors, etc. This Special Issue explores scientific advances of MOFs in energy storage applications and includes research articles focusing on experimental studies, as well prospective discussing practical applications.

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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