Special Issue

Thermo-Mechanical Properties of Metal Organic Frameworks

Message from the Guest Editors

Metal-organic frameworks (MOF) have experienced twenty years of interest from various fields, owing to their chemical and structural versatility, which confers a unique opportunity to tune their features for targeted applications. In particular, their promising thermo-mechanical properties pave the way for a series of energy- and environmentally-related applications. The growing developments in these two fields have motivated us to launch this Special Issue on "Thermo-Mechanical Properties of Metal Organic Frameworks" in *Nanomaterials*. We expect that it will offer the MOF community an opportunity to expose and review the latest and most significant achievements in these two domains, using both experimental and modelling techniques. Please **click here to submit your manuscript**.

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Deadline for manuscript submissions

closed (12 November 2018)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/12659

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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.

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