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Hydrides-Based Hydrogen and Heat Storage Materials, Technologies and Applications

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Message from the Guest Editor

Dear Colleagues,

Solid-state hydrogen storage materials (SSHM) have fascinated researchers all over the world for the last 70 years. For most of the experts in the field, it is obvious that without some new breakthrough it is very unlikely that currently used solid-state materials will solve the hydrogen storage problem for transportation.

Because of the above-mentioned reasons, the current Special Issue is supposed to cover all aspects connected with the synthesis, characterisation, and application of the hydrides-based materials including, especially, but not only, new hydrides-based materials, new technologies for the synthesis of hydrogen storage materials, new characterisation tools and modifications of current techniques, new catalysts for the decomposition and synthesis of hydrides-based materials, practical examples of the application of solid-state hydrogen storage materials, and problems related to measurement techniques and data accuracy in this field.

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