



Novel Properties and Applications of Metal Hydrides Beyond Hydrogen Storage

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Message from the Guest Editors

Metal hydrides are composed of metallic elements and hydrogen and have interesting and important physics and chemistry. Over the past few decades, metal hydrides have been intensively investigated due to their applications in hydrogen storage. In recent years, with the development of novel technologies such as metal-ion (e.g., Li-ion) batteries, sensing, catalysis, thermal storage, and bio-medicine, some novel properties of metal hydrides and applications in these fields/areas have emerged. In order to further optimize the properties of metal hydrides for these new applications, it is essential to perform fundamental research on metal hydrides to unveil the new physics or chemistry that is relevant to the new applications.

For this Special Issue, we encourage authors to submit work that explores/extends the new application areas of metal hydrides and stimulates their study. Both experimental and theoretical/computational works are welcome.





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Message from the Editor-in-Chief

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