



New Vistas in Metal Hydrides and Related Materials

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Deadline for manuscript
submissions:

closed (21 January 2022)

Message from the Guest Editor

Dear Colleagues,

Metal hydrides have been studied in a wide range of research fields from science to engineering. Hydrogen atoms form various bonding states with metal atoms: neutral hydrogen, positively charged proton, negatively charged hydride-ion, and covalently bonded hydrogen. As a result, a variety of physical and functional properties such as superconductivity, ionic conductivity, and hydrogen storage are realized in metal hydrides and hydride complexes.

The purpose of this special issue is to share the latest research trend on metal hydrides and related materials, and to inspire ideas for future development. We welcome contributions of original papers and reviews on pioneering techniques for synthesis, measurement, analysis, and application, and on the latest research results produced using these techniques.

Dr. Katsutoshi Aoki

Guest Editor





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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