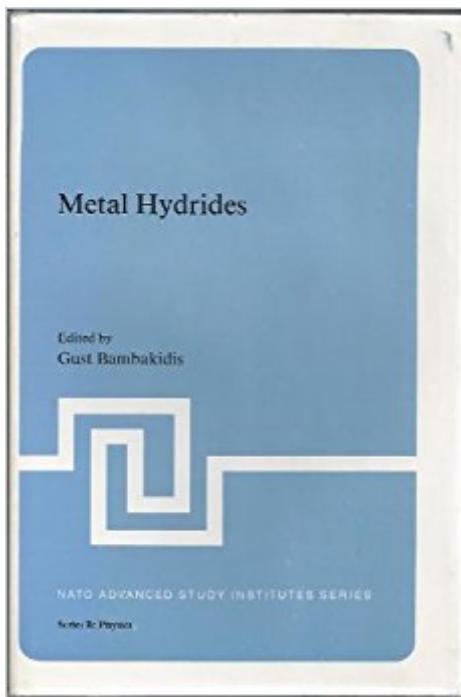


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# Metal Hydrides (NATO ASI Series B, Physics, Volume 76)



## Synopsis

In the last five years, the study of metal hydrides has expanded enormously due to the potential technological importance of this class of materials in hydrogen based energy conversion schemes. The scope of this activity has been worldwide among the industrially advanced nations. There has been a consensus among researchers in both fundamental and applied areas that a more basic understanding of the properties of metal/hydrogen systems is required in order to provide a rational basis for the selection of materials for specific applications. The current worldwide need for and interest in research in metal hydrides indicated the timeliness of an Advanced Study Institute to provide an in-depth view of the field for those active in its various aspects. The inclusion of speakers from non-NATO countries provided the opportunity for cross-fertilization of ideas for future research. While the emphasis of the Institute was on basic properties, there was a conscious effort to stimulate interest in the application of metal hydrides to solar/hydrogen energy conversion schemes in land areas where solar energy has promise as a primary energy source. In addition to the lectures, several seminars were given which treated topics of special interest in greater detail.

## Book Information

Hardcover: 385 pages

Publisher: Plenum Press; 1 edition (December 31, 1981)

Language: English

ISBN-10: 0306408910

ISBN-13: 978-0306408915

Product Dimensions: 1.2 x 7 x 10.5 inches

Shipping Weight: 2.2 pounds

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Best Sellers Rank: #2,674,062 in Books (See Top 100 in Books) #23 in Books > Science & Math > Chemistry > Chemical Physics #524 in Books > Science & Math > Chemistry > Inorganic #6639 in Books > Textbooks > Science & Mathematics > Chemistry

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