

## HYDROGEN BEHAVIOR AND HYDROGEN EMBRITTELEMENT OF METALS

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### **Abstract**

To clarify the function of hydrogen in embrittlement of various metals, identify of hydrogen trapping sites, dynamic behavior of hydrogen during deformation, lattice defect formation enhanced by hydrogen and strain are important. In the present review, determination of hydrogen trapping sites in metals, interaction between dislocation and hydrogen, evaluation of enhanced lattice defects such as vacancies and its clusters, and their relevance to hydrogen embrittlement are discussed.

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