

1. Record Nr.	UNISALENTO991003824069707536
Titolo	I manifesti della psicologia americana tra Ottocento e Novecento / a cura di Guido Cimino, Silvia Degni e Antonio M. Ferreri
Pubbl/distr/stampa	Milano : Angeli, 2012
ISBN	9788856838794
Descrizione fisica	338 p. ; 23 cm
Collana	Storia della psicologia ; 9
Altri autori (Persone)	Ferreri, Antonio M. Degni, Silvia Cimino, Guido <1944- >
Disciplina	150.1950973
Soggetti	Psicologia - Teorie - Stati Uniti d'America - Sec. 19.-20
Lingua di pubblicazione	Non definito
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9911049157003321
Autore	Tanabe Tetsuo
Titolo	Kinetics of Hydrogen in Metals : Absorption, Desorption, Dissolution, Diffusion, Trapping, and Permeation / / by Tetsuo Tanabe
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2026
ISBN	981-9512-87-5
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (392 pages)
Collana	Springer Series in Materials Science, , 2196-2812 ; ; 357
Disciplina	620.1
Soggetti	Condensed matter Metals Hydrogen as fuel Materials Catalysis Force and energy Condensed Matter Metals and Alloys Hydrogen Energy Materials for Energy and Catalysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Schematics of a hydrogen profile in a metal -- Hydrogen loading -- Methods for hydrogen detection and mapping -- Kinetics of hydrogen in metals dissolution diffusion permeation and trapping -- H profiles on surface and in depth hydrogen mapping and depth profiling -- Diffusion permeation and solution of metal and alloys -- Effect of oxygen and water included in hydrogen as impurities -- Hydrogen permeation barrier -- Hydrogen in oxide -- Hydrogen in carbon materials -- H release from dissolution and accumulated sites detrapping -- Experimental limitation and remaining problems for understanding h kinetics in metals.
Sommario/riassunto	This book offers a comprehensive exploration of the kinetics of hydrogen in metals, focusing on absorption, desorption, dissolution, diffusion, trapping, and permeation. It provides a unique approach to

understanding hydrogen behavior in metals, crucial for addressing challenges in hydrogen embrittlement and storage. By introducing advanced techniques for hydrogen detection and mapping, the book offers readers the tools needed to visualize and analyze hydrogen concentration profiles in metals. Key concepts covered include the diffusivity, permeability, and solubility of hydrogen, as well as the effects of impurities and surface oxides. The author presents a detailed examination of hydrogen loading methods, detection techniques, and the kinetics of hydrogen transport. Readers gain insights into the complexities of hydrogen trapping and detrapping and the importance of simultaneous observations of dissolved and trapped hydrogen. This book is an essential resource for researchers and professionals in materials science and engineering, particularly hydrogen energy technology. It offers valuable insights for those interested in the latest advancements in hydrogen kinetics and its implications for future work in hydrogen engineering, including embrittlement and storage solutions.

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