

1. Record Nr.	UNINA9910464002103321
Titolo	Visual diagnosis and care of the patient with special needs / / editors, Marc B. Taub, Dominick M. Maino, Mary Bartuccio
Pubbl/distr/stampa	Philadelphia : , : Wolters Kluwer Health/Lippincott Williams & Wilkins Health, , [2012] ©2012
ISBN	1-4511-7834-4 1-4698-2784-0 1-4698-7527-6
Descrizione fisica	1 online resource (461 p.)
Altri autori (Persone)	TaubMarc B MainoDominick M BartuccioMary
Disciplina	617.7/5
Soggetti	Vision - Diseases - Diagnosis People with disabilities Eye - Diseases - Diagnosis Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1.The Life Cycle Approach to Care / Dominick M. Maino -- 2.Genetics / Charles G. Connor -- 3.Cerebral Palsy / Ashley S. Reddell -- 4.Down Syndrome / Dominick M. Maino -- 5.Fragile X Syndrome / Dominick M. Maino -- 6.Intellectual Disability of Unknown Etiology / Marc B. Taub -- 7.Oculovisual Abnormalities Associated with Rare Neurodevelopmental Disorders / Daniel E. Smith -- 8.Autism / Rachel Anastasia Coulter -- 9.Attention Deficit Hyperactivity Disorder (ADHD) / Angela C. Howell -- 10.Acquired Brain Injury / Neera Kapoor -- 11. Learning Disabilities / Eric Borsting -- 12.Psychiatric Illness and Associated Oculovisual Anomalies / Robert C. Jespersen -- 13.The Visual System in Neurodegenerative Disease / Denise A. Valenti -- 14. Vision Impairment and Brain Damage / D. Luisa Mayer -- 15.Vision Screening / Nadine Grgis -- 16.Comprehensive Examination Procedures / Marc B. Taub -- 17.Diagnosis and Management of

Refractive Error / James M. Newman -- 18.Diagnosis and Treatment of Oculomotor Dysfunction / Paul Harris -- 19.Diagnosis and Treatment of Binocular Vision and Accommodative Disorders / Kelly Meehan -- 20.Diagnosis and Treatment of Strabismus and Amblyopia / Jacqueline Rodena -- 21.Diagnosis and Treatment of Vision Information Processing Disorders / Deborah M. Amster -- 22.Diagnosis and Treatment of Commonly Diagnosed Ocular Health Anomalies / John Neal -- 23.Special Assessment Procedures / Maryke Nijhuis Neiberg -- 24.Neuroplasticity / Susan R. Barry -- 25.Optometric Management of Functional Vision Disorders / Jason Clopton -- 26.Complementary and Alternative Approaches / Patricia S. Lemer -- 27.Technology for Rehabilitation, Treatment, and Enhancement / Marc B. Taub -- 28.The Multidisciplinary Approach / Robert Hohendorf -- 29.Disabilities and the Education System / David A. Damari -- 30.The Optometric Practice / Bradley Habermehl -- 31.The Process of Communication / Nancy Torgerson.

2. Record Nr.	UNINA9910254058403321
Autore	Nagumo Michihiko
Titolo	Fundamentals of Hydrogen Embrittlement / / by Michihiko Nagumo
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2016
ISBN	981-10-0161-8
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (241 p.)
Disciplina	620.11
Soggetti	Metals Chemistry, Inorganic Metallic Materials Inorganic Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Solid Solution -- Hydrogen Trapping and Its Detection -- Interactions of Hydrogen with Lattice Defects -- Diffusion and Transport of Hydrogen -- Deformation Behaviors -- Manifestations of Hydrogen Embrittlement -- Characteristic Features of Deformation and Fracture

in Hydrogen Embrittlement -- Effects of Microstructural Factors on Hydrogen Embrittlement -- Mechanistic Aspects of Fracture I – Brittle Fracture Models -- Mechanistic Aspects of Fracture II – Plasticity-dominated Fracture Models.

Sommario/riassunto

This book is the first comprehensive treatment of hydrogen embrittlement of metallic materials, mainly of steels. The subject is increasingly important with regard to recent requirements for hydrogen energy equipment. Recent progress in revealing the nature of hydrogen embrittlement is remarkable, and this book provides students and researchers engaging in hydrogen problems with a comprehensive view of hydrogen embrittlement covering basic behaviors of hydrogen in materials and their various manifestations in degradation of mechanical properties. Previous studies are critically reviewed and recent advances including new ideas on the mechanism of embrittlement are presented. Emphases are put on experimental facts, but their meanings rather than phenomenological appearance are given particular attention. Experiments are noted on adopted conditions since the operating mechanism of hydrogen might differ by materials and environments. For theories, assumptions and premises employed are noted so as to examine their versatility. Because of the interdisciplinary nature of the subject, brief descriptions of fundamental ideas are presented when necessary.
