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Titolo	Hydrogen Molecular Biology and Medicine / / edited by Xuejun Sun, Shigeo Ohta, Atsunori Nakao
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Descrizione fisica	1 online resource (122 p.)
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Soggetti	Molecular biology Biochemistry Human physiology Molecular Medicine Biochemistry, general Human Physiology
Lingua di pubblicazione	Inglese
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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	Hydrogen Element and Hydrogen Gas Absorption and Release of Hydrogen Gas in Body Biological Safety of Hydrogen Detection Techniques for hydrogen Selective Anti-oxidative Effect of Hydrogen Therapeutic Effects of Hydrogen on Different Diseases Methods of Hydrogen Application Future Directions in Hydrogen Studies.
Sommario/riassunto	This book provides a clearly structured introduction to hydrogen biology and medicine. Hydrogen is the one of the most abundant elements in the universe and has the simplest structure. In 2007, Japanese researchers found that the selective oxidation of hydrogen has a therapeutic effect on various diseases and injuries, sparking widespread interest in the biomedical field. In recent years, hundreds of peer-reviewed papers have been published internationally reporting the positive effects of hydrogen on many human diseases, including strokes, diabetes, Parkinson's disease, Alzheimer's disease and sepsis. The authors provide readers with a comprehensive overview of this subject, from its physical and chemical properties to its biological effects, as well as the problems and obstacles that exist.

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