1. Record Nr. UNINA990009257800403321

Titolo	Intelligent Robotics and Applications [Risorsa elettronica] : First International Conference, ICIRA 2008 Wuhan, China, October 15-17, 2008 Proceedings, Part I / edited by Jaime G. Carbonell, Jörg Siekmann, Caihua Xiong, Honghai Liu, Yongan Huang, Youlun Xiong
Pubbl/distr/stampa	Berlin ; Heidelberg : Springer, 2008
ISBN	9783540885139
Collana	Lecture Notes in Computer Science , 0302-9743 ; 5314
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia

2. Record Nr. UNINA9910647495303321

Titolo	Clean energy technologies : hydrogen and gasification processes / / edited by Murat Eyvaz, Yongseung Yun, Ahmed Albahnasawi
Pubbl/distr/stampa	London : , : IntechOpen, , [2022] ©2022
Descrizione fisica	1 online resource (168 pages) : illustrations
Disciplina	665.81
Soggetti	Hydrogen as fuel
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Introductory Chapter: Hydrogen Energy -- 2. Organic Semiconductor for Hydrogen Production -- 3. Production of Hydrogen via Water Splitting Using Photocatalytic and Photoelectrocatalytic Route -- 4. Conversion of Gas Turbine Combustors to Operate with a Hydrogen-Air Mixture: Modifications and Pollutant Emission Analysis -- 5. Hydrogen Oxyfuel Combustion for Energy-Intensive Industries -- 6. Refractories

	for Ammonia Production in Fertilizer Unit -- 7. Recent Advances in Supercritical Water Gasification of Pulping Black Liquor for Hydrogen Production -- 8. Minimising CO2 Emissions from Coal Gasification -- 9. Improving Hydrogen Production Yield in Hydrothermal Gasification Processes through Novel Metal Catalysts.
Sommario/riassunto	Increasing urbanization, population growth, and climate change require responsible consumption of all resources, primarily energy. Worldwide energy efficiency applications, renewable energy, and related technologies will be the driving force in the energy sector. It is envisaged that large amounts of carbon emissions can be prevented by changing the electricity production and consumption habits of societies and transforming them into renewable energy and related technologies in energy systems. This book presents valuable scientific studies on clean energy technologies and analyzes hydrogen production processes in detail.