

|                         |  |
|-------------------------|--|
| 1. Record Nr.           | UNINA9910831012103321  |
| Autore                  | Goel Malti   |
| Titolo                  | Climate Action and Hydrogen Economy : Technologies Shaping the Energy Transition // edited by Malti Goel, Gautam Sen   |
| Pubbl/distr/stampa      | Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024   |
| ISBN                    | 9789819962372<br>9819962374  |
| Edizione                | [1st ed. 2024.]  |
| Descrizione fisica      | 1 online resource (321 pages)  |
| Collana                 | Green Energy and Technology, , 1865-3537   |
| Altri autori (Persone)  | SenGautam  |
| Disciplina              | 665.810954   |
| Soggetti                | Energy harvesting<br>Climatology<br>Hydrogen as fuel<br>Energy Harvesting<br>Climate Sciences<br>Hydrogen Energy   |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Nota di contenuto       | Issues & Challenges in Moving toward Hydrogen Economy -- Green Hydrogen Production Technologies -- In Pursuit of the Net Zero Goal & Sustainability: CO2 Refineries and Biomass Valorization -- Mega Trends in The Energy Transition -- Hydrogen Production from Liquid Hydrogen Carriers -- 2D-g-C3N4Related Photocatalysts – H2 Generation and CO2 Reduction -- Demand Side Measures across the Economy: Implications for Climate and Pollution Control Conflict -- Scope and Potential of CBM to Hydrogen Production in India -- Indian Coal Gasification Strategy: Current Status and Way Forward -- Hydrogen as Energy Source of the Future -- Hydrogen Energy a Freedom Fuel for India: Emphasis on Hydrogen Storage Technology and Applications -- Ammonia Storage Challenges in Fertilizers Industry -- Waste to Hydrogen -- Hybrid Approaches for Solar Hydrogen. |
| Sommario/riassunto      | This book focuses on up-to-date progress on the current status of technology and progress in climate action and hydrogen energy in India. It includes contributions from leading experts, and covers emerging topics such as issues & challenges in moving toward  |

hydrogen economy, green hydrogen production technologies, hydrogen production from liquid hydrogen carriers, policy perspectives on hydrogen as energy source of the future, hybrid approaches for solar hydrogen, among others. This book is of interest to those working in academia, industry and policymakers in the field of energy. .

---