1. Record Nr. UNINA9911034859403321

Autore	Chen Lin
Titolo	Clean Energy Research : Now and in the Future / / edited by Lin Chen
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-99312-8
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (452 pages)
Collana	Green Energy and Technology, , 1865-3537
Disciplina	621.042
Soggetti	Renewable energy sources Energy policy Energy storage Cogeneration of electric power and heat Fossil fuels Hydrogen as fuel Renewable Energy Energy Policy, Economics and Management Mechanical and Thermal Energy Storage Fossil Fuel Hydrogen Energy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Solar Photovoltaic Power Generation and Solar Energy Applications -- Renewable Energy Technology and Energy Efficiency Optimization -- Energy Materials and Energy Storage Technology -- Carbon Capture and Sustainable Development -- Index.
Sommario/riassunto	This book provides readers with the latest developments and innovations in clean energy resources and systems, energy economics, and energy policies. Designed to help move towards a cleaner, more sustainable energy landscape, it offers theoretical insights, practical knowledge, and case studies on clean energy technology. It covers sustainable methods for increasing energy efficiency and examines current concepts and solutions to global energy storage and energy-saving issues, including wind energy technology and offshore potential, advanced solar energy systems and case studies, hydrogen production,

storage, and material challenges, carbon capture, storage, and resource utilization, bioenergy and sustainable fuel innovations, energy system optimization, and thermal management. Clean Energy Research: Now and in the Future is an essential guide to up-to-date research results for scientists, practitioners, engineers, students, and researchers. Presents recent research on clean energy systems; Discusses the latest clean energy technologies and applications; Includes case studies.