1. Record Nr. UNINA9910583395803321

Autore	Letcher T. M (Trevor M.)
Titolo	Storing energy : with special reference to renewable energy sources / / Trevor M. Letcher, Emeritus Professor, Department of Chemistry, University of KwaZulu-Natal, Durban, South Africa
Pubbl/distr/stampa	Amsterdam : , : Elsevier, , [2016] 2016
ISBN	0-12-803449-1 0-12-803440-8
Edizione	[1st edition]
Descrizione fisica	1 online resource (xxiv, 565 pages) : illustrations (some color), maps
Collana	Gale eBooks
Disciplina	621.3126
Soggetti	Energy storage Renewable energy sources
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 and index.
Nota di contenuto	part A. Introduction -- part B. Electrical energy storage techniques gravitational/mechanical/thermomechanical -- part C. Electrochemical -- part D. Thermal -- part E. Chemical -- part F. Integration -- part G. International issues and the politics of introducing renewable energy schemes.
Sommario/riassunto	Energy Storage discusses the needs of the world’s future energy and climate change policies, covering the various types of renewable energy storage in one comprehensive volume that allows readers to conveniently compare the different technologies and find the best process that suits their particularly needs. Each chapter is written by an expert working in the field and includes copious references for those wishing to study the subject further. Various systems are discussed, including mechanical/kinetic, thermal, electrochemical and other chemical, as well as other emerging technologies. Incorporating the advancements in storing energy as described in this book will help the people of the world further overcome the problems related to future energy and climate change. Covers most types of energy storage that is being considered today, and allows comparisons to be made Each chapter is written by a world expert in the field, providing the latest

developments is this fast moving and vital field Covers technical, environmental, social and political aspects related to the storing of energy and in particular renewable energy