

1. Record Nr.	UNINA9910830558803321
Titolo	Energy storage [[electronic resource] /] / edited by Yves Brunet
Pubbl/distr/stampa	London, : ISTE Hoboken, N.J., : Wiley, 2011
ISBN	1-118-55780-8 1-299-31566-6 1-118-62254-5
Descrizione fisica	1 online resource (270 p.)
Collana	ISTE
Altri autori (Persone)	BrunetYves
Disciplina	621.31/26 621.3126
Soggetti	Energy storage Electric power supplies to apparatus
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Adapted and updated from Problematiques du stockage d'energie published 2009 in France by Hermes Science/Lavoisier"--t.p. verso. Includes bibliographical references and index.
Nota di bibliografia	
Nota di contenuto	Energy storage for electric networks -- Transportation -- Energy storage and PV systems -- Nomad applications and micro-power sources -- Hydrogen storage -- Fuel cells -- Fuel cells, system operation -- Electrochemical storage : piles and batteries.
Sommario/riassunto	Energy storage examines different applications such as electric power generation, transmission and distribution systems, pulsed systems, transportation, buildings and mobile applications. For each of these applications, proper energy storage technologies are foreseen, with their advantages, disadvantages and limits. As electricity cannot be stored cheaply in large quantities, energy has to be stored in another form (chemical, thermal, electromagnetic, mechanical) and then converted back into electric power and/or energy using conversion systems. Most of the storage technologies are examined: b