1. Record Nr. UNINA9910462433603321

Autore	Jha A. R.
Titolo	Next-generation batteries and fuel cells for commercial, military, and space applications / / A.R. Jha
Pubbl/distr/stampa	Boca Raton, Fla. : , : CRC Press, , 2012
ISBN	0-429-06176-5 1-4398-5067-4
Edizione	[1st edition]
Descrizione fisica	1 online resource (401 p.)
Disciplina	621.31/2424
Soggetti	Storage batteries Fuel cells Electric batteries Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	An Auerbach book.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover; Contents; Foreword; Preface; Author; Chapter 1 - Current Status of Rechargeable Batteries and Fuel Cells; Chapter 2 - Batteries for Aerospace and Communications Satellites; Chapter 3 - Fuel Cell Technology; Chapter 4 - Batteries for Electric and Hybrid Vehicles; Chapter 5 - Low-Power Rechargeable Batteries for Commercial, Space, and Medical Applications; Chapter 6 - Rechargeable Batteries for Military Applications; Chapter 7 - Batteries and Fuel Cells for Aerospace and Satellite System Applications; Chapter 8 - Low-Power Batteries and Their Applications; Back Cover
Sommario/riassunto	Next-generation batteries have higher power density and higher energy density and can be put into new forms with lower-cost mass production. This book focuses on technologically advanced secondary (rechargeable) batteries in both large and small format. It covers advanced technologies as replacements for NiCd and NiMH, especially advanced lithium-ion batteries that make use of new electrode materials and electrolytes. The author discusses printable batteries and thin-film battery stacks as enablers of micropower applications as well as hybrid battery/fuel cell systems, which are emerging as complements to consumer electronics batteries--