

1. Record Nr.	UNINA9910208814803321
Titolo	Heterogeneous catalysis at nanoscale for energy applications // edited by Franklin (Feng) Tao, William F. Schneider, Prashant V. Kamat ; contributors, Rafael C. Catapan [and thirty others]
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , 2015 ©2015
ISBN	1-118-84348-7 1-118-84346-0 1-118-84352-5
Descrizione fisica	1 online resource (469 p.)
Classificazione	SCI013050
Disciplina	621.3101/541395
Soggetti	Heterogeneous catalysis Energy conversion Nanochemistry
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.
Sommario/riassunto	"A key technology in the chemical and energy industries, heterogeneous catalysis is growing in importance owing to its potential for solving global energy problems. This volume covers both fundamental concepts and recent advances in the field, offering an in-depth look at the synthesis and characterization of nanocatalysts as well as a mechanistic understanding of catalysis at atomic level for important processes of energy conversion. Comprehensive and authoritative, the book provides scientists and engineers with a foundation for pioneering the next technical catalysts for energy efficient technologies"-- "Covers both fundamental concepts and recent advances in the field of heterogeneous catalysis, offering an in-depth look at the synthesis and characterization of nanocatalysts as well as a mechanistic understanding of catalysis at the atomic level for important processes of energy conversion"--

