1. Record Nr. UNISALENTO991004232069707536

Autore	Howard, David
Titolo	Tradition and tolerance in nineteenth-century fiction : critical essays on some english and american novels / edited by David Howard, John Lucas, John Goode
Pubbl/distr/stampa	London : Routledge and Kegan Paul, 1966
Descrizione fisica	281 p. ; 22 cm
Altri autori (Persone)	Goode, John Lucas, John
Disciplina	823
Soggetti	Letteratura narrativa americana Letteratura narrativa inglese
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

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Autore	Norton Brian
Titolo	Harnessing solar heat / / Brian Norton
Pubbl/distr/stampa	Dordrecht, Netherlands : , : Springer, , 2014
ISBN	94-007-7275-0
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (xvii, 258 pages) : illustrations, maps
Collana	Lecture Notes in Energy, , 2195-1284 ; ; 18
Disciplina	621.042 621.47
Soggetti	Solar energy Solar collectors
Lingua di pubblicazione	Inglese
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Note generali	"ISSN: 2195-1284." "ISSN: 2195-1292 (electronic)."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1 Introduction -- Chapter 2 The Solar Energy Resource -- Chapter 3 Optics and Heat Transfer in Solar Collectors -- Chapter 4 Solar Energy Storage -- Chapter 5 Flat-Plate and Evacuated tube Collectors -- Chapter 6 Use of heat from, and thermal management of, photovoltaics -- Chapter 7 Solar thermal power generation and industrial process heat -- Chapter 8 Solar Water Heating and Combisystems -- Chapter 9 Solar Drying -- Chapter 10 Solar Cooling, Refrigeration and Desalination -- Chapter 11 Greenhouses -- Chapter 12 Passive and Hybrid Solar Design of Buildings -- References -- Subject Index.
Sommario/riassunto	Systems engineered by man to harness solar heat in a controlled manner now include a diverse range of technologies each serving distinctive needs in particular climate contexts. This text covers the breadth of solar energy technologies for the conversion of solar energy to provide heat, either as the directly-used output or as an intermediary to other uses such as power generation or cooling. It is a wholly updated, extended and revised version of “Solar Energy Thermal Technology” first published in 1992. The text draws on the own author’s research and that of numerous colleagues and collaborators at Cranfield University, University of Ulster, Dublin Institute of Technology, Indian Institute of Technology, Delhi and University of

Nigeria. The initial chapters deal with relevant fundamental aspects of solar energy meteorology, radiative heat transfer, material properties and energy storage. Solar energy collectors are discussed in detail before a set of chapters deal with each of the full range of applications. The early chapters consider: the solar energy resource, its distribution in geographical, spectral, skyward geometrical and temporal domains; the physics of solar energy absorption, transmission and loss at surfaces; and techniques for storing collected solar energy. Specific collector sub-systems are then discussed in chapters seven to nine. For each system, practical issues are discussed and a proven analytical procedure for predicting performance described. Similarly analyses are presented in the concluding chapters on solar energy systems. These range from dryers to greenhouses to systems that render buildings solar energy systems in themselves and the associated design issues. The context for any use of solar energy is the prevailing climate. This text, being global in scope, definates the most appropriate regions for particular technologies and applications. It is a research-orientated academic work citing publications on the peer-reviewed literature covering engineering and applied science topics intended both for student use, as a reference tool for teaching solar energy and for those researching solar thermal applications in universities, industry or national/commercial laboratories. Insight into the challenges of implementation including practical constraints and operational considerations are provided to aid those undertaking feasibility studies, technical assistance, training assignments or operating testing facilities.