

1. Record Nr.	UNINA9910131402303321
Autore	Acerra Martine
Titolo	Terres marines / / Frédéric Chauvaud, Jacques Péret
Pubbl/distr/stampa	Rennes, : Presses universitaires de Rennes, 2015
ISBN	2-7535-3239-7
Descrizione fisica	1 online resource (368 p.)
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Soggetti

History
Area Studies
paysage
Atlantique (océan)
littoral européen
littoraux Atlantiques
migration
géographie historique

Lingua di pubblicazione

Francese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Sommario/riassunto

Livre d'hommage, Terres Marines rassemble les textes de collègues, de spécialistes, d'élèves et d'amis de Dominique Guillemet, universitaire dans toute la plénitude du mot, décédé brutalement en mars 2005, qui enseigna l'histoire moderne à l'université de Poitiers. Spécialiste reconnu de la géographie historique, du littoral et des sociétés francophones d'Amérique du Nord, son dernier livre Champlain ou les portes du Nouveau Monde (2004), écrit en collaboration avec Mickaël Augeron, fait autorité. Les études réunies ici montrent tout le dynamisme d'une histoire impulsée par Dominique Guillemet. Les quarante contributions rassemblées dans le présent volume traitent aussi bien de la perception des zones côtières, du régime seigneurial au Canada, des territoires du soldat, des Bohémiens, des naufrages, que des lieux du crime. Elles reviennent sur les notions de « pays », de paysages maritimes, de commémorations, de lieux de mémoire, de « terres liquides ». Elles mènent du Poitou à la Grèce, de la Basse Bretagne aux mers du Sud. Regroupées en trois grands ensembles – histoire et représentations du littoral/paysages et territoires/voyages, mobilité et nouveaux mondes –, elles témoignent de la vitalité d'une histoire « de terrain » de l'époque médiévale à nos jours.

2. Record Nr.	UNINA9910337936203321
Autore	Tong Colin
Titolo	Introduction to Materials for Advanced Energy Systems // by Colin Tong
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-319-98002-5
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XXVIII, 911 p. 239 illus., 235 illus. in color.)
Disciplina	621.31
Soggetti	Materials science Force and energy Energy systems Thermodynamics Heat engineering Heat - Transmission Mass transfer Renewable energy resources Tribology Corrosion and anti-corrosives Coatings Energy Materials Energy Systems Engineering Thermodynamics, Heat and Mass Transfer Renewable and Green Energy Tribology, Corrosion and Coatings
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Fundamentals and design guidelines of sustainable energy systems -- Materials characterization methodologies in energy systems -- Advanced materials enable energy production from fossil fuels -- Materials-based solutions to solar energy system -- Advanced materials enable renewable geothermal energy capture and generation -- Advanced materials enable renewable wind energy capture and

generation -- Advanced materials for Ocean Energy -- Advanced materials for Hydropower -- Hydrogen and fuel cells -- Thermoelectric materials for renewable energy generation -- Role of materials to advanced nuclear energy -- Perspectives and future trends.

Sommario/riassunto

This first of its kind text enables today's students to understand current and future energy challenges, to acquire skills for selecting and using materials and manufacturing processes in the design of energy systems, and to develop a cross-functional approach to materials, mechanics, electronics and processes of energy production. While taking economic and regulatory aspects into account, this textbook provides a comprehensive introduction to the range of materials used for advanced energy systems, including fossil, nuclear, solar, bio, wind, geothermal, ocean and hydropower, hydrogen, and nuclear, as well as thermal energy storage and electrochemical storage in fuel cells. A separate chapter is devoted to emerging energy harvesting systems. Integrated coverage includes the application of scientific and engineering principles to materials that enable different types of energy systems. Properties, performance, modeling, fabrication, characterization and application of structural, functional and hybrid materials are described for each energy system. Readers will appreciate the complex relationships among materials selection, optimizing design, and component operating conditions in each energy system. Research and development trends of novel emerging materials for future hybrid energy systems are also considered. Each chapter is basically a self-contained unit, easily enabling instructors to adapt the book for coursework. This textbook is suitable for students in science and engineering who seek to obtain a comprehensive understanding of different energy processes, and how materials enable energy harvesting, conversion, and storage. In setting forth the latest advances and new frontiers of research, the text also serves as a comprehensive reference on energy materials for experienced materials scientists, engineers, and physicists. Includes pedagogical features such as in-depth side bars, worked-out and end-of- chapter exercises, and many references to further reading Provides comprehensive coverage of materials-based solutions for major and emerging energy systems Brings together diverse subject matter by integrating theory with engaging insights .
