

1. Record Nr.	UNINA9910483702503321
Autore	Platzer Max F.
Titolo	The green energy ship concept : renewable energy from wind over water // Max F. Platzer, Nesrin Sarigul-Klijn
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] Â©2021
ISBN	3-030-58244-2
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XIII, 108 p. 21 illus., 11 illus. in color.)
Collana	SpringerBriefs in applied sciences and technology
Disciplina	333.7909162
Soggetti	Ocean energy resources Water - Electrolysis Hydrogen as fuel
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I: General Considerations -- 1. Introduction -- 2. Current Status of Global Energy Consumption, Production and Storage -- 3. Climate Tipping Points and Climate Irreversibility -- 4. Review of Past Energy Transitions -- 5. Lessons from Past Major Engineering Initiatives -- 6. Recent Analyses and Current Proposals for Sustainable Global Power Production -- 7. Problem Definition -- 8. The Energy-Ship/ Wind-over-Water Concept -- 9. Major Elements and Developmental Status of the Energy Ship Concept -- 10. Comparison of the Wind-over-Water with the Wind-Water-Solar Concept -- 11. Sustainable Aviation -- 12. Proposal for a Global Renewable Energy Production and Storage Initiative -- 13. Summary and Outlook -- Part II: Technical Aspects -- 14. Energy and Power Fundamentals -- 15. Hydrogen Characteristics -- 16. Hydrogen Production Methods4 Seawater Desalination -- 17. Sea Water Desalination -- 18. Energy Storage Systems -- 19. Hydrogen Compression Technology -- 20. Power from Air and Water Flows -- 21. Hydrokinetic Turbine Technology -- 22. Wind-propelled Ship Technology -- 23. Power from Wind over Water -- 24. Conversion of Hydrogen to Electricity -- 25. Production of Jet Fuel from Seawater.
Sommario/riassunto	This groundbreaking book aims to show that technology currently exists to build and operate large autonomous sailing ships equipped

with hydrokinetic turbines and electrolyzers that could operate in high-wind ocean areas. This technology would enable seawater to be converted into storable hydrogen, thereby tapping into an inexhaustible energy reservoir sufficient for the transition to an emission-free global economy. The book is presented in two parts. Part one presents a broad look at possible solutions to the climate change challenge and provides an overview of current approaches. Part two introduces 12 specific technologies that could enable the green energy ship concept. Examines current approaches and solutions to the climate change challenge; Looks at autonomous sailing ships operating in high-wind ocean areas; Discusses technologies for converting seawater into storable hydrogen.

2. Record Nr.	UNINA9910763985303321
Titolo	American journal of clinical oncology : cancer clinical trials
Pubbl/distr/stampa	New York, N.Y., : Lippincott, Williams & Wilkins
ISSN	1537-453X
Descrizione fisica	1 online resource
Disciplina	616
Soggetti	Cancer - Treatment - Research Oncology - Research Tumors Neoplasms - drug therapy Neoplasms - therapy Neoplasms Cancer - Traitement - Recherche Cancerologie - Recherche Tumeurs Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

