1. Record Nr. UNISALENTO991001254509707536

Autore	Halpern, Francis R.
Titolo	Special relativity and quantum mechanics / Francis R. Halpern
Pubbl/distr/stampa	Englewood Cliffs, NJ : Prentice-Hall, 1968
Descrizione fisica	v, 138 p. : ill. ; 24 cm.
Classificazione	53.1.51 53.3.11 53.3.13 53.3.132 530.11 QC6.H27
Soggetti	Quantum theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographical footnotes.

2. Record Nr. UNINA9910337591703321

Titolo	Biodiesel : From Production to Combustion / / edited by Meisam Tabatabaei, Mortaza Aghbashlo
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-00985-8
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (244 pages)
Collana	Biofuel and Biorefinery Technologies, , 2363-7609 ; ; 8
Disciplina	662.669 665.37
Soggetti	Renewable energy resources Energy policy Microbiology Renewable and Green Energy Energy Policy, Economics and Management Applied Microbiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Global biodiesel production: The state of the art and impact on climate change -- Chapter 2. Biodiesel production systems: reactor technologies -- Chapter 3. Biodiesel production systems: operation, process control, and troubleshooting -- Chapter 4. Biodiesel purification and upgrading technologies -- Chapter 5. Applications of biodiesel by products -- Chapter 6. Economic risk analysis and critical comparison of biodiesel production systems -- Chapter 7. Techno-economical aspects of biodiesel plants -- Chapter 8. Biodiesel production and consumption: life cycle assessment (LCA) approach -- Chapter 9. Exergy-based sustainability analysis of biodiesel production and combustion processes -- Chapter 10. “Omics Technologies” and Biodiesel Production.
Sommario/riassunto	This book presents in-depth information on the state of the art of global biodiesel production and investigates its impact on climate change. Subsequently, it comprehensively discusses biodiesel production in terms of production systems (reactor technologies) as

well as biodiesel purification and upgrading technologies. Moreover, the book reviews essential parameters in biodiesel production systems as well as major principles of operation, process control, and trouble-shooting in these systems. Conventional and emerging applications of biodiesel by-products with a view to further economize biodiesel production are also scrutinized. Separate chapters are dedicated to economic risk analysis and critical comparison of biodiesel production systems as well as techno-economical aspects of biodiesel plants. The book also thoroughly investigates the important aspects of biodiesel production and combustion by taking advantage of advanced sustainability analysis tools including life cycle assessment (LCA) and exergy techniques. In closing, the application of Omics technologies in biodiesel production is presented and discussed.