Record Nr.	UNINA9910411652503321
Autore	Ramadhas Arumugam S.
Titolo	Alternative fuels for transportation / / edited by A S Ramadhas
Pubbl/distr/stampa	Boca Raton, FL : , : CRC Press, an imprint of Taylor and Francis, , 2012
ISBN	1-000-21888-0
	0-429-15247-7
	1-4398-1958-0
Edizione	[First edition.]
Descrizione fisica	1 online resource (466 p.)
Collana	Mechanical Engineering Series
Disciplina	629.22/9
•	629.229
Soggetti	Alternative fuel vehicles
	Spark ignition engines - Alternative fuels
	Diesel motor - Alternative fuels
	Motor fuels
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.
Nota di contenuto	Front cover; Contents; Preface; Editor; Contributors; Chapter 1: Fuels and Trends; Chapter 2: Vegetable Oils; Chapter 3: Biodiesel; Chapter 4: Methanol; Chapter 5: Ethanol; Chapter 6: Dimethyl Ether; Chapter 7: Liquefied Petroleum Gas; Chapter 8: Compressed Natural Gas; Chapter 9: Hydrogen; Chapter 10: Electric Vehicles; Chapter 11: Fuel Cells; Chapter 12: Hybrid Vehicles; Chapter 13: Future Fuels; Appendix: Fuel Properties; Index; Back cover
Sommario/riassunto	With existing petroleum oil and natural gas reserves enough for only several more decades, there is an imminent need for alternative energy sources. This critical situation has incited greater improvements in automotive technology and the increased use of nonconventional fuels. Alternative Fuels for Transportation covers the potential, production methods, properties, vehicle tests, merits, and drawbacks of alternative fuels. The esteemed editor highlights the importance of moving toward alternative fuels and the problems and environmental impact of depending on petroleum products.

1.