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| Titolo                  | Alternative Fuels for Transportation // edited by Arumugam S. Ramadhas  |
| Pubbl/distr/stampa      | Boca Raton, FL : , : Taylor & Francis, , 2010   |
| Descrizione fisica      | 1 online resource (xvii, 423 pages)   |
| Collana                 | Mechanical engineering series   |
| Disciplina              | 629.229   |
| Soggetti                | Alternative fuel vehicles<br>Spark ignition engines - Alternative fuels   |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Includes index.   |
| Nota di contenuto       | Fuels and Trends. Vegetable Oils. Biodiesel. Methanol. Ethanol. Dimethyl Ether. Liquefied Petroleum Gas. Compressed Natural Gas. Hydrogen. Electric Vehicles. Fuel Cells. Hybrid Vehicles. Future Fuels. Appendix. Index.   |
| Sommario/riassunto      | Exploring how to counteract the world's energy insecurity and environmental pollution, this volume covers the production methods, properties, storage, engine tests, system modification, transportation and distribution, economics, safety aspects, applications, and material compatibility 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. Each self-contained chapter focuses on a particular fuel source, including vegetable oils, biodiesel, methanol, ethanol, dimethyl ether, liquefied petroleum gas, natural gas, hydrogen, electric, fuel cells, and fuel from nonfood crops. |