Record Nr.	UNINA9910698374403321
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Titolo	Atmospheric photochemistry studies of pollutant emissions from transportation vehicles operating on alternative fuels [[electronic resource] /] / H. Jeffries, K. Sexton, and J. Yu, University of North Carolina
Pubbl/distr/stampa	Golden, Colo. : , : National Renewable Energy Laboratory, , [1998]
Descrizione fisica	xii, 298 pages : digital, PDF file
Collana	NREL/SR ; ; 540-21426
Altri autori (Persone)	SextonK. G YuJ
Soggetti	Atmospheric ozone Automobiles - Motors - Exhaust gas Air - Pollution - Measurement
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed November 26, 2007). "July 1998."
Sommario/riassunto	This project was undertaken with the goal of improving our ability to predict the changes in urban ozone resulting from the widespread use of alternative fuels in automobiles. This report presents the results in detail. It is clear that no single approach is adequate for determining the potential atmospheric benefits of alternative fuel use: both experimental and modeling studies are needed. In addition, fundamental advances are needed to improve scientific understanding of reactivity.