1. Record Nr. UNINA9910457994403321

Titolo	Combustion processes in propulsion [[electronic resource]] : control, noise, and pulse detonation / / edited by Gabriel D. Roy
Pubbl/distr/stampa	Amsterdam ; ; Boston, : Elsevier Butterworth Heinemann, c2006
ISBN	1-281-07065-3 9786611070656 0-08-052940-2
Descrizione fisica	1 online resource (504 p.)
Altri autori (Persone)	RoyG. D (Gabriel D.)
Disciplina	658.3/82
Soggetti	Combustion engineering Jet propulsion Internal combustion engines - Combustion Electronic books.
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 and indexes.
Nota di contenuto	section 1. Control of combustion processes -- section 2. High-speed jet noise -- section 3. Pulse detonation engines.
Sommario/riassunto	Chemical propulsion comprises the science and technology of using chemical reactions of any kind to create thrust and thereby propel a vehicle or object to a desired acceleration and speed. This book focuses on recent advances in the design of very highly efficient, low-pollution-emitting propulsion systems, as well as advances in testing, diagnostics and analysis. It offers unique coverage of Pulse Detonation Engines, which add tremendous power to jet thrust by combining high pressure with ignition of the air/fuel mixture. Readers will learn about the advances in the reduction of jet noise