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Titolo	Combustion [[electronic resource] /] / Irvin Glassman, Richard A. Yetter
Pubbl/distr/stampa	Amsterdam ; ; Boston, : Academic Press, c2008
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Edizione	[4th ed.]
Descrizione fisica	1 online resource (794 p.)
Altri autori (Persone)	YetterRichard A. <1952->
Disciplina	541/.361
Soggetti	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	Front Cover; Combustion; Copyright Page; Contents; Prologue; Preface; CHAPTER 1. CHEMICAL THERMODYNAMICS AND FLAME TEMPERATURES; A. Introduction; B. Heats of reaction and formation; C. Free energy and the equilibrium constants; D. Flame temperature calculations; 1. Analysis; 2. Practical considerations; E. Sub- and super sonic combustion thermodynamics; 1. Comparisons; 2. Stagnation pressure considerations; Problems; CHAPTER 2. CHEMICAL KINETICS; A. Introduction; B. Rates of reactions and their temperature dependence; 1. The Arrhenius rate expression 2. Transition state and recombination rate theories C. Simultaneous interdependent reactions; D. Chain reactions; E. Pseudo-first-order reactions and the ""fall-off"" range; F. The partial equilibrium assumption; G. Pressure effect in fractional conversion; H. Chemical kinetics of large reaction mechanisms; 1. Sensitivity analysis; 2. Rate of production analysis; 3. Coupled thermal and chemical reacting systems; 4. Mechanism simplification; Problems; CHAPTER 3. EXPLOSIVE AND GENERAL OXIDATIVE CHARACTERISTICS OF FUELS; A. Introduction; B. Chain branching reactions and criteria for explosion C. Explosion limits and oxidation characteristics of hydrogen D. Explosion limits and oxidation characteristics of carbon monoxide; E. Explosion limits and oxidation characteristics of hydrocarbons; 1.

Organic nomenclature; 2. Explosion limits; 3. ""Low-temperature"" hydrocarbon oxidation mechanisms; F. The oxidation of aldehydes; G. The oxidation of methane; 1. Low-temperature mechanism; 2. High-temperature mechanism; H. The oxidation of higher-order hydrocarbons; 1. Aliphatic hydrocarbons; 2. Alcohols; 3. Aromatic hydrocarbons; 4. Supercritical effects; Problems
CHAPTER 4. FLAME PHENOMENA IN PREMIXED COMBUSTIBLE GASESA. Introduction; B. Laminar flame structure; C. The laminar flame speed; 1. The theory of Mallard and Le Chatelier; 2. The theory of Zeldovich, Frank-Kamenetskii, and Semenov; 3. Comprehensive theory and laminar flame structure analysis; 4. The laminar flame and the energy equation; 5. Flame speed measurements; 6. Experimental results: physical and chemical effects; D. Stability limits of laminar flames; 1. Flammability limits; 2. Quenching distance; 3. Flame stabilization (low velocity); 4. Stability limits and design
E. Flame propagation through stratified combustible mixtures F. Turbulent reacting flows and turbulent flames; 1. The rate of reaction in a turbulent field; 2. Regimes of turbulent reacting flows; 3. The turbulent flame speed; G. Stirred reactor theory; H. Flame stabilization in high-velocity streams; I. Combustion in small volumes; Problems; CHAPTER 5. DETONATION; A. Introduction; 1. Premixed and diffusion flames; 2. Explosion, deflagration, and detonation; 3. The onset of detonation; B. Detonation phenomena; C. Hugoniot relations and the hydrodynamic theory of detonations
1. Characterization of the Hugoniot curve and the uniqueness of the C-J point

Sommario/riassunto

Combustion Engineering, a topic generally taught at the upper undergraduate and graduate level in most mechanical engineering programs, and many chemical engineering programs, is the study of rapid energy and mass transfer usually through the common physical phenomena of flame oxidation. It covers the physics and chemistry of this process and the engineering applications-from the generation of power such as the internal combustion automobile engine to the gas turbine engine. Renewed concerns about energy efficiency and fuel costs, along with continued concerns over toxic and particulate emis

2. Record Nr. UNINA9910787402803321

Autore	Homolka Walter
Titolo	Jesus reclaimed : Jewish perspectives on the Nazarene / / Walter Homolka ; translated by Ingrid Shafer
Pubbl/distr/stampa	New York, [New York] ; ; Oxford, [England] : , : berghahn, , 2015 ©2015
ISBN	1-80073-210-4 1-78238-580-0
Descrizione fisica	1 online resource (166 p.)
Disciplina	232.9/06
Soggetti	Judaism - Relations - Christianity Christianity and other religions - Judaism
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 index.
Nota di contenuto	""Contents""; ""Foreword""; ""Translator's Preface""; ""Preface""; ""Introduction a€? When a Jew Looks at the Sources: The Jesus of History""; ""Chapter 1 a€? Jesus and His Impact on Jewish Antiquity and the Middle Ages""; ""Chapter 2 a€? The Historical Jesus: A Jewish and a Christian Quest""; ""Chapter 3 a€? Jesus the Jew and Joseph Ratzinger's Christ: A Theological U-Turn""; ""Conclusion""; ""Bibliography""; ""Index""
Sommario/riassunto	After centuries of persecution, oppression, forced migrations, and exclusion in the name of Christ, the development of a Jewish “Quest for the Historical Jesus” might seem unexpected. This book gives an overview and analysis of the various Jewish perspectives on the Nazarene throughout the centuries, emphasizing the variety of German voices in Anglo-American contexts. It explores the reasons for a steady increase in Jewish interest in Jesus since the end of the eighteenth century, arguing that this growth had a strategic goal: the justification of Judaism as a living faith alongside Christianity.

3. Record Nr. UNINA9910155288103321

Titolo	Mast cell activation and mediator release
Pubbl/distr/stampa	[Place of publication not identified], : Karger, 1984
ISBN	9783318000573 3318000574
Edizione	[1st ed.]
Descrizione fisica	1 online resource (XII + 336 pages) : : 101 figures, 11 tables
Collana	Issn Series
Disciplina	611/.0181
Soggetti	Connective Tissue Cells Immunoglobulin Isotypes Immune System Hemic and Immune Systems Antibodies Cells Immunoglobulins Anatomy Immunoproteins Serum Globulins Blood Proteins Globulins Proteins Amino Acids, Peptides, and Proteins Chemicals and Drugs Immunoglobulin E Mast Cells
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph