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Autore	Schobert Harold H. <1943->
Titolo	Chemistry of fossil fuels and biofuels / / Harold Schobert [[electronic resource]]
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Descrizione fisica	1 online resource (xix, 480 pages) : digital, PDF file(s)
Collana	Cambridge series in chemical engineering
Disciplina	553.2
Soggetti	Fossil fuels - Analysis Biomass energy Energy crops - Composition Fuelwood crops - Composition
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine generated contents note: 1. Fuels and the global carbon cycle; 2. Catalysis, enzymes and proteins; 3. Photosynthesis and the formation of polysaccharides; 4. Ethanol; 5. Plant oils and biodiesel; 6. Composition and reactions of wood; 7. Reactive intermediates; 8. Formation of fossil fuels; 9. Structure-property relationships among hydrocarbons; 10. Composition, properties and processing of natural gas; 11. Composition, properties and classification of petroleum; 12. Petroleum distillation; 13. Heterogeneous catalysis; 14. Catalytic routes to gasoline; 15. Middle distillate fuels; 16. Thermal processing in refining; 17. Composition, properties and classification of coals; 18.

The inorganic chemistry of coals; 19. Production of synthetic gas; 20. Gas treatment and shifting; 21. Uses of synthetic gas; 22. Direct production of liquid fuels from coal pyrolysis; 23. Carbonization and coking of coal; 24. Carbon products from fossil and biofuels; 25. Carbon dioxide.

Sommario/riassunto

Focusing on today's major fuel resources - ethanol, biodiesel, wood, natural gas, petroleum products and coal - this book discusses the formation, composition and properties of the fuels, and the ways in which they are processed for commercial use. It examines the origin of fuels through natural processes such as photosynthesis and the geological transformation of ancient plant material; the relationships between their composition, molecular structures and physical properties; and the various processes by which they are converted or refined into the fuel products appearing on today's market. Fundamental chemical aspects such as catalysis and the behaviour of reactive intermediates are presented and global warming and anthropogenic carbon dioxide emissions are also discussed. The book is ideal for graduate students in energy engineering, chemical engineering, mechanical engineering and chemistry, as well as professional scientists and engineers.

2. Record Nr.

Titolo

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Contemporaries of Erasmus . Volume 3 N-Z : a biographical register of the renaissance and reformation / / Peter G. Bietenholz, editor ; Thomas B. Deutscher, associate editor

Pubbl/distr/stampa

Toronto, [Ontario] ; ; Buffalo, [New York] ; ; London, [England] : , : University of Toronto Press, , 1987
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Descrizione fisica

1 online resource (516 p.)

Disciplina

920.04

Soggetti

Renaissance - Biography
Dictionaries.
Electronic books.

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Note generali

Intended to accompany: Collected works of Erasmus. 1974.

Nota di bibliografia

Includes bibliographical references and indexes.

Nota di contenuto

Contents -- Editorial Notes -- Biographies -- Works Frequently Cited -- Short-Title Forms for Erasmus' Works -- Contributors -- Illustration Credits -- Illustration Index -- N -- O -- P -- R -- S -- T -- U -- V -- W -- Y -- Z

Sommario/riassunto

The remarkable breadth of Erasmus' contacts throughout his life is reflected in this unique, informative three-volume biographical dictionary. Together, these fully illustrated volumes will contain information about more than 1900 people mentioned in his correspondence and other writings. Differing substantially from the national biographical dictionaries which restrict themselves to major figures, these volumes combine the famous with the obscure: the Dutch pope, Adrian VI, appears next to Adrianus, a messenger who carried letters between Erasmus in Paris and Jacob Batt, a tutor in Toumehem. A random sampling includes the infamous Pope Alexander VI; Catherine of Aragon and Anne Boleyn; Andrea Alciati, the interpreter of Roman law, whose chief fame rests on the creation of the

Renaissance emblem book; Luther's wife, Katharine von Bora; Albrecht Durer, portraitist of Erasmus; Emperor Charles V; and Etienne Dolet, accused of blasphemy and sedition, who was tortured and hanged and his books burned publicly. Biographies of loyal friends of Erasmus, like Pieter Gillis, clerk of the city of Antwerp, are interspersed with those of his critics and enemies, such as Guillaume Farel, whom Erasmus characterized as insane and a seditious liar. The famous and infamous ? Henry VIII, Machiavelli, Francis I, Pope Julius II, Isabella of Castille, and many more ? appear next to the not so familiar, but no less intriguing. Cassandra Fedele, implicated in a scandal involving counterfeit money, who survived shipwreck in the Mediterranean and ended life as the superintendent of a hospital in Venice. The cast of characters is a Who's Who of the period: painters like Holbein and Metsys; the printer Aldo Manuzio; Bishop John Fisher, martyred for opposition to Henry VIII's divorce; Martin Luther and his parents; the knight Ulrich von Hutten; and dynastic families such as the wealth Fuggers of Bavaria and the Medicis, including Lorenzo the Magnificent (patron of Botticelli and Leonardo da Vinci), the petulant Alessandro, the extravagant Cardinal Ippolito, and Lorenzo II, Duke of Urbino (to whom Machiavelli dedicated *The Print*). A fascinating array of characters brings this turbulent period of history vividly to life. Contemporaries of Erasmus will not only intrigue the general reader; it will be indispensable for those who have searched in vain for a biographical dictionary covering this period.
