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Sommario/riassunto

Liquid fuels are those combustible or energy-generating molecules that can be harnessed to create mechanical energy. Most liquid fuels, in widespread use, are or derived from fossil fuels such as gasoline, diesel, kerosene, alcohols, and hydrogen. In this book, the authors present topical research in the study of the types, properties and production of liquid fuels. Topics discussed include ultradeep desulfurization sorbents for liquid fuels; coal mine methane emission mitigation technologies; high yield biofuel production from vegetable oils with supercritical alcohols; polymer waste pyrolysis for liquid fuel production; liquid biofuel production made from castor seed oil and production of renewable liquid fuels using different fuel processing methods.