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   Nota di bibliografia Includes bibliographical references and index.
   Nota di contenuto   Fuel Cells / (Williams) -- Fuels for Fuel Cells / (Speight) -- Steam
                        Reforming for Fuel Cells / (Rostrup-Nielsen, Hansen) -- Catalytic Partial
                        Oxidation / (Smith, Shekhawat) -- Oxidative Steam Reforming /
                        (Haynes, Shekhawat) -- Dry (CO2) Reforming / (Gao, Hou, Lou, Zheng)
                        -- Plasma Reforming for H2-Rich Synthesis Gas / (Gallagher, Fridman)
                        -- Additional Reforming Methods / (Shekhawat) -- Deactivation of
                        Reforming Catalysts / (Spivey) -- Desulfurization for Fuel Cells /
                        (Gangwal) -- Syngas Conditioning / (Dagle, Karim, Li, Su, King) --
                        Direct Reforming Fuel Cells / (Hansen) -- Reactor Design for Fuel
                        Processing / (Onsan, Avci) -- Balance of Plant / (Roychoudhury,
                        Mastanduno).

   Sommario/riassunto   This book covers all aspects of fuel processing: fundamental chemistry,
                        different modes of reforming, catalysts, catalyst deactivation, fuel
                        desulfurization, reaction engineering, novel reforming concepts,
                        thermodynamics, heat and mass transfer issues, system design, recent
                        research and development, etc., which makes it one single source of
                        information for scientists and engineers. It serves as an excellent self-
                        instruction book for those new to fuel cells, and as a comprehensive
                        resource for experts in the area of fuel processing. It can be used as a

reference book for advanced level university courses in this area. Chapters written by experts in each area Extensive bibliography supporting each chapter Detailed index Up-to-date diagrams and full colourillustrations Associated webpages with links to other relevant material Numerical problems with solutions.