Contents

n (

Pre: Edi Cor	tace			
Sec	ction I: Production and Use of Hydrogen 1			
1	Fundamentals and Use of Hydrogen as a Fuel			
2	• Production of Hydrogen from Hydrocarbons			
3	Hydrogen Production from Coal			
4	Hydrogen Production from Nuclear Energy 127 Ryutaro Hino and Xing L. Yan			
5	Hydrogen Production from Wind Energy			
6	Sustainable Hydrogen Production by Thermochemical Biomass Processing			
7	Use of Solar Energy to Produce Hydrogen			
8	Hydrogen Separation and Purification			
See	ction II: Transportation and Storage of Hydrogen 325			
9	Targets for Onboard Hydrogen Storage Systems: An Aid for the Development of Viable Onboard Hydrogen Storage Technologies			
10	Hydrogen Transmission in Pipelines and Storage in Pressurized and Cryogenic Tanks			
	wing Guo una Kaoi Krisnnamuriny			

. .

Content	s
---------	---

11	Hydrogen Storage in Metal Hydrides				
12	Hydrogen Storage in Carbon Materials				
13	Hydrogen Storage in Organic Chemical Hydrides on the Basis of Superheated Liquid-Film Concept				
Sect	tion III:	Safety and Environmental Aspects			
		of Hydrogen	475		
14	Hydrogen James M. Ohi	Codes and Standards	477		
15	Hydrogen S Prabhu Sound	Sensing and Detection darrajan and Frank Schweighardt	495		
16	Hydrogen Safety				
17	Carbon Sequestration				
Inde	x				