

1. Record Nr.	UNINA9910457576903321
Titolo	PEM fuel cell diagnostic tools // edited by Haijiang Wang, Xiao-Zi Yuan, Hui Li
Pubbl/distr/stampa	Boca Raton, Fla. : , : CRC Press, , 2012
ISBN	0-429-10625-4 1-283-27951-7 9786613279514 1-4398-3920-4
Descrizione fisica	1 online resource (554 p.)
Collana	PEM fuel cell durability handbook PEM fuel cell diagnostic tools
Altri autori (Persone)	WangHaijiang Henry YuanXiao-Zi LiHui <1964->
Disciplina	621.31/24290287
Soggetti	Proton exchange membrane fuel cells - Testing Proton exchange membrane fuel cells - Testing - Equipment and supplies 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 index.
Nota di contenuto	pt. 1. In situ diagnostic tools -- pt. 2. Ex situ diagnostic tools.
Sommario/riassunto	Compared to other electrochemical power devices such as the battery, the PEM fuel cell is much more complicated. Its complexity derives from the following aspects: 1) Most of the components are composite materials. 2) Porous materials must be used for gas and water transport. 3) Nanomaterials have to be used to achieve high electrochemical activity. 4) Complicated processes take place within the fuel cell in addition to the electrochemical reactions, such as the transport of electrons, protons, reactant gases, product water and vapor, and heat. 5) The electrode reaction occurs at a multi-phase boundary and transport may occur across multiple boundaries. 6) Multi-phase flow happens in flow field channels and porous media. 7) The scale at which researchers have to look ranges from nanometers to meters. 8) Three-dimensional architecture is vitally important to performance and durability, due to the large size of PEM fuel cell

stacks. 9) Local performance can seriously affect the system's performance and durability. 10) There are complicated operating conditions, such as load, temperature, pressure, gas flow, and humidification--

2. Record Nr.	UNINA9910787497103321
Titolo	Mastery and lost illusions : space and time in the modernization of Eastern and Central Europe // edited by Wodzimierz Borodziej, Stanislav Holubec, and Joachim von Puttkamer
Pubbl/distr/stampa	Munchen, Germany : , : Oldenbourg Wissenschaftsverlag GmbH, , 2014 ©2014
ISBN	3-11-039918-0 3-11-036431-X
Descrizione fisica	1 online resource (264 p.)
Collana	Europas Osten im 20. Jahrhundert= Eastern Europe in the Twentieth Century ; ; Band/Volume 5
Classificazione	NK 1600
Disciplina	320.540947
Soggetti	Urbanization - Europe, Eastern Urbanization - Europe, Central
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Second annual conference in June 2012, focus on problems of modernity in twentieth-century Eastern and Central Europe." Includes index.
Nota di contenuto	Front matter -- Contents -- Introduction / Holubec, Stanislav / Borodziej, Wodzimierz / von Puttkamer, Joachim -- Part I: Key Perspectives -- Mastery of Space and the Crises of Modernity in Central and Eastern Europe / von Puttkamer, Joachim -- A Moving Target or a Lost Illusion? East Central Europe in Pursuit of the West in Two Globalization Phases / Kochanowicz, Jacek -- Part II: The Ruralization of Urbanization -- Image and Reality of a Splitting Country: The Case of Hungary / Gyáni, Gábor -- The Ostrava Industrial Agglomeration in the First Half of the Twentieth Century: Where the Urban Countryside met the Rural Town / Jemelka, Martin -- The Ruralization of Bucharest and Warsaw in the First Post-War Decade / Brzostek, Baej -- Nowa Huta,

Eisenhüttenstadt and Ostrava-Poruba in Early State Socialism: The Proletarianization and Ruralization of New Cities / Jajeniak-Quast, Dagmara -- Changing the Cityscapes: The Ruralization of Yugoslav Towns in Early Socialism / Dobrivojevi, Ivana -- Ruralization, Urban Villagers and Perceptions of Migration in Hungary during 'De-Stalinization' (Budapest, Sztálinváros) / Horváth, Sándor -- Part III: Space and the Crises of Modernity -- Integration or Decentralization? The Construction of Railways and Waterways in Cisleithania / Jakubec, Ivan -- The Sea(side) Borderland of Modernity: Rostock, Klaipėda and Tallinn from the 1870's to the 1920's / Kochanowski, Jerzy -- "We bring order, discipline, Western European democracy, and culture to this land of former oriental chaos and disorder." / Holubec, Stanislav -- List of Contributors -- Index

Sommario/riassunto

This volume highlights the specific experiences and challenges of modernity in twentieth-century Eastern and Central Europe. Contributors ask how spatial and temporal conditions shaped the region's transformation from a rural to an urban, industrialized society in this period and investigate the state's role in the mastery of space, particularly in the context of state socialism. The volume also sheds light on the ruralization of cities and mutual perceptions of the rural and urban populations in this region.
