

1. Record Nr.	UNINA9910814947603321
Autore	Hou Zhongsheng
Titolo	Model free adaptive control : theory and applications // by Zhongsheng Hou and Shangtai Jin
Pubbl/distr/stampa	Boca Raton, FL : , : CRC Press, an imprint of Taylor and Francis, , 2013
ISBN	0-429-16547-1 1-4665-9418-7
Edizione	[1st edition]
Descrizione fisica	1 online resource (396 p.)
Disciplina	629.8/36 629.836
Soggetti	Adaptive control systems
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.
Nota di contenuto	Front Cover; Contents; Preface; Authors; Symbols; Acronyms; Chapter 1: Introduction; Chapter 2: Recursive Parameter Estimation for Discrete-Time Systems; Chapter 3: Dynamic Linearization Approach of Discrete-Time Nonlinear Systems; Chapter 4: Model-Free Adaptive Control of SISO Discrete-Time Nonlinear Systems; Chapter 5: Model-Free Adaptive Control of MIMO Discrete-Time Nonlinear Systems; Chapter 6: Model-Free Adaptive Predictive Control; Chapter 7: Model-Free Adaptive Iterative Learning Control Chapter 8: Model-Free Adaptive Control for Complex Connected Systems and Modularized Controller Design Chapter 9: Robustness of Model-Free Adaptive Control; Chapter 10: Symmetric Similarity for Control System Design; Chapter 11: Applications; Chapter 12: Conclusions and Perspectives; References; Back Cover
Sommario/riassunto	Model Free Adaptive Control: Theory and Applications summarizes theory and applications of model-free adaptive control (MFAC) MFAC is a novel adaptive control method for the unknown discrete-time nonlinear systems with time-varying parameters and time-varying structure, and the design and analysis of MFAC merely depend on the measured input and output data of the controlled plant, which makes it more applicable for many practical plants.