

1. Record Nr.	UNINA9910830681803321
Titolo	Electrochemical surface modification : thin films, functionalization and characterization / / edited by Richard C. Alkire [and three others]
Pubbl/distr/stampa	Weinheim, Germany : , : Wiley-VCH Verlag GmbH & Co. KGaA, , [2008] ©2008
ISBN	1-282-02170-2 9786612021701 3-527-62530-5 3-527-62531-3
Descrizione fisica	1 online resource (362 p.)
Collana	Advances in electrochemical science and engineering ; ; volume 10
Disciplina	541.37 541.3724
Soggetti	Surface chemistry Surfaces (Physics) Electrochemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Advances in Electrochemical Science and Engineering; Contents; Series Preface; Volume Preface; List of Contributors; 1 Valve Metal, Si and Ceramic Oxides as Dielectric Films for Passive and Active Electronic Devices; 2 Superconformal Film Growth; 3 Transition Metal Macrocycles as Electrocatalysts for Dioxygen Reduction; 4 Multiscale Modeling and Design of Electrochemical Systems; Index
Sommario/riassunto	In this topical volume, the authors provide in-depth coverage of the vital relationship between electrochemistry and the morphology of thin films and surfaces. Clearly divided into four major sections, the book covers nanoscale dielectric films for electronic devices, superconformal film growth, electrocatalytic properties of transition metal macrocycles, and the use of synchrotron techniques in electrochemistry. All the chapters offer a concise introduction to the relevant topic, as well as supplying numerous references for easy access to further reading and the original literature.The re

