

1. Record Nr.	UNINA9911094431603321
Titolo	X-ray photoelectron spectroscopy // Johanna M. Wagner, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2011
ISBN	1-61728-240-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (290 p.)
Collana	Chemical engineering methods and technology
Altri autori (Persone)	WagnerJohanna M
Disciplina	543/.62
Soggetti	X-ray photoelectron spectroscopy
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	""X-RAY PHOTOELECTRON SPECTROSCOPY""; ""X-RAY PHOTOELECTRON SPECTROSCOPY""; ""LIBRARY OF CONGRESS CATALOGING-IN-PUBLICATION DATA""; ""CONTENTS ""; ""PREFACE ""; ""Chapter 1: X-RAY PHOTOELECTRON SPECTROSCOPY: STUDIES FROM INDUSTRIAL & BIOACTIVE GLASS TO BIOMATERIALS""; ""ABSTRACT ""; ""1. X-RAY PHOTOELECTRON SPECTROSCOPY: CONCEPT AND PRINCIPLES""; ""2. RELATING GLASS TO XPS ""; ""3. SILICATE GLASS CORROSION ""; ""4. APPLICATION OF XPS TO GLASS CORROSION""; ""5. XPS ROLE IN GLASS FABRICATION ""; ""6. EVOLUTION OF BIOACTIVE GLASSES ""; ""7. GLASS BASED BIOMATERIALS: GLASS IONOMER CEMENTS "" ""REFERENCES """"Chapter 2: XPS FOR INVESTIGATING CULTURAL HERITAGE MATERIALS""; ""ABSTRACT ""; ""1. INTRODUCTION ""; ""2. PIGMENTS IDENTIFICATION AND ALTERATION IN PAINT LAYERS""; ""2.1. The Case of Copper Resinate ""; ""2.2. The Case of Smalt""; ""3. STONE ""; ""3.1. The Case of Michealgelo's David ""; ""4. GLASS ""; ""5. SURFACE MODIFICATIONS INDUCED BY CLEANING AND PROTECTIVE TREATMENTS ""; ""6. BRONZE ""; ""REFERENCES ""; ""Chapter 3: X-RAY PHOTOELECTRON SPECTROSCOPY APPLIED TO ATOMIC STRUCTURE ANALYSIS OF SILICATE GLASSES THIN LAYERS ""; ""ABSTRACT ""; ""INTRODUCTION"" ""EXPERIMENTAL """"SILICA STRUCTURE ""; ""STRUCTURE OF SILICA FILMS PRODUCED BY CATHODE SPRAY DEPOSITION OF SILICON IN OXYGEN MEDIUM""; ""STRUCTURE OF SOL-GEL SILICA FILMS""; ""STRUCTURE OF LEAD-SILICATE GLASSES ""; ""THE SECONDARY-ELECTRON EMISSION COEFFICIENTS OF LEAD SILICATE GLASSES ""; ""CONCLUSION "";

""REFERENCES ""; ""Chapter 4: INFLUENCE OF NO₂ ON ATMOSPHERIC CORROSION OF ZINC EXPOSED IN A CLIMATE CHAMBER ""; ""ABSTRACT ""; ""INTRODUCTION ""; ""EXPERIMENTAL PROCEDURE ""; ""ZINC SAMPLES WITHOUT EXPOSURE ""; ""EXPOSITION AT 35A°C ""; ""EXPOSITION AT 25A°C ""

""INFLUENCE OF ION SPUTTERING ON THE S₂P PHOTOELECTRON PEAK FOR ZINC-SULFUR CORROSION PRODUCTS """"CONCLUSION "";

""REFERENCES ""; ""Chapter 5: X-RAY PHOTOELECTRON SPECTROSCOPY AS A TOOL IN THE STUDY OF NANOSTRUCTURED TITANIUM AND COMMERCIAL PET SURFACES IN BIOTECHNOLOGICAL APPLICATIONS "";

""ABSTRACT ""; ""1. XPS AND BIOTECHNOLOGY ""; ""2. CASE STUDY 1 TITANIUM OXIDATION STATES ON TITANIUM THIN FILMS AND BULK SURFACES ""; ""2.1. Experimental Design ""; ""2.2. Elemental Analysis ""; ""2.3. Titanium Oxidation States ""; ""2.4. Carbon Contamination ""; ""2.5. Conclusions ""

""3. CASE STUDY 2 BACTERIAL MODIFICATION OF POLY(ETHYLENE TEREPHTHALATE) POLYMER SURFACES""""3.1. Experimental Design ""; ""3.2. Elemental Analysis ""; ""3.3. High-Resolution Spectra ""; ""3.4. Bacterial Modifications ""; ""3.5. Carbon Contamination ""; ""3.6. Conclusions ""; ""4. SUMMARY ""; ""5. REFERENCES ""; ""Chapter 6: XPS AS A POWERFUL TOOL TO INVESTIGATE THE SURFACE PROPERTIES OF SIMPLE, DOPED AND MIXED METAL OXIDES ""; ""ABSTRACT ""; ""ABBREVIATIONS AND ACRONYMS ""; ""GENERAL REMARKS ""; ""1. Metal oxides: a general overview ""; ""1.1. General remarks on metal oxides ""

""1.2 Importance of surface in metal oxides ""

Sommario/riassunto

X-ray photoelectron spectroscopy (XPS) is a quantitative spectroscopic technique that measures the elemental composition, empirical formula, chemical state and electronic state of the elements that exist within a material. XPS spectra are obtained by irradiating a material with a beam of X-rays while simultaneously measuring the kinetic energy (KE) and number of electrons that escape from the top 1 to 10 nm of the material being analyzed. This book reviews research in the field of X-ray photoelectron spectroscopy including: XPS studies from industrial and bioactive glass to biomaterials and

2. Record Nr.	UNINA9911131748803321
Autore	Chan Kwok-shing
Titolo	A localized culture of welfare : entitlements, stratification, and identity in a Chinese lineage village / / Kwok-shing Chan
Pubbl/distr/stampa	Lanham, : Lexington Books, 2012
ISBN	0-7391-7857-1 1-299-15694-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (237 p.)
Collana	AsiaWorld
Disciplina	361.951
Soggetti	Public welfare - China - Hong Kong Public welfare - China Families - China - Hong Kong Families - China Kinship - China - Hong Kong Kinship - China
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	Maps, tables, and diagrams -- Acknowledgments -- Note on romanization -- Introduction : welfare and security, an anthropological perspective -- The Pang lineage village -- Living under threat : reactions to Hong Kong's return to China -- Corporate resources and financial security -- Communal safety and protection -- Employment and care provisions -- Entitlement and value : housing -- Old age welfare and security -- The religious pursuit of welfare and security -- Conclusion -- Methodological appendix -- Glossary -- Bibliography -- Index.
Sommario/riassunto	This book presents an ethnographic account of the significance of kinship in welfare matters in Chinese society. It will be a useful reference book and secondary text for anthropologists, sociologists and university students who are interested in Chinese kinship and welfare issues, the relationship between welfare and culture, and the cultures underlying systems of welfare.