

1. Record Nr.	UNINA9910817234503321
Titolo	Vibrational spectroscopy at electrified interfaces // edited by Andrzej Wieckowski, Carol Korzeniewski, Bjorn Braunschweig ; [with a foreword by Masatoshi Osawa]
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2013
ISBN	1-118-65887-6 1-118-65898-1 1-118-65896-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (441 p.)
Collana	Wiley series on electrocatalysis and electrochemistry
Altri autori (Persone)	Wieckowski Andrzej <1945-> Korzeniewski C (Carol) Braunschweig Bjoern <1979->
Disciplina	543/.57
Soggetti	Infrared spectroscopy Raman spectroscopy Electrochemistry Spectrum analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Nonlinear vibrational spectroscopy -- pt. 2. Raman spectroscopy -- pt. 3. IRRAS spectroscopy (including PM-IRRAS).
Sommario/riassunto	Reviews the latest theory, techniques, and applications Surface vibrational spectroscopy techniques probe the structure and composition of interfaces at the molecular level. Their versatility, coupled with their non-destructive nature, enables in-situ measurements of operating devices and the monitoring of interface-controlled processes under reactive conditions. Vibrational Spectroscopy at Electrified Interfaces explores new and emerging applications of Raman, infrared, and non-linear optical spectroscopy for the study of charged interfaces. The book draws from hundre