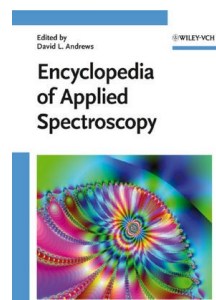


[SCIENCE/Physics]

応用分光法事典 Encyclopedia of Applied Spectroscopy

David L. Andrews, University of East Anglia, Norwich, GB



本書について

本事典は、分光学の理論と応用ならびに分光器の取り扱いに関する詳細を、カラー図版とともに体系的に取り上げる。当分野で国際的な評価の高い研究者によって編集され、使いやすい参考図書となっている。

TABLE OF CONTENTS

Fundamentals

1.Optics, Atmospheric 2.Radiation Interaction with Molecules I 3.Radiation Interaction with Molecules II 4.Radiation interaction with dielectric solids 5.Electromagnetic Radiation 6.Photoemission and Photoelectron Spectra 7.Electron Scattering by Atoms and Molecules 8.Electron spin resonance 9.Chemometrics 10.Fourier & Other Mathematical Transforms 11.Inversion Methods for Spectroscopy 12.Monte-Carlo Methods 13.Data Mining 14.Principal Component Analysis 15.Nonlinear optics 16.Neutron scattering 17.Near-field, evanescent wave and surface plasmon interactions 18.Photochemical and photophysical dynamics

Instrumentation

19.Incoupling optics/technology for Gamma,X,UV,VIS,IR 20.Calibration and Test of Spectroscopy Equipment 21.Monochromators 22.Imaging Spectroscopy 23.Photodetectors 24.Radiation Detectors, Infrared, Radio 25.Radiation Detectors, Particle, Gamma, and X-Ray 26.Data Acquisition 27.Signal Processing, Optical Image Processing 28.Spectrometers, Mass 29.Spectrometers, Neutron 30.Spectrometers, Electron and Ion 31.Spectrometers, Gamma-Ray 32.Spectrometers, X-Ray 33.Visible- and Ultraviolet-Light Spectrometers 34.Spectrometers, Infrared 35.Magnetic Resonance Spectrometers 36.Electron spin/paramagnetic resonance sensors 37.Lasers and laser systems

Spectroscopy/Applications

38.Positron-Annihilation Spectroscopy 39.Atomic Spectroscopy 40.Polarimeters and Polarization Spectrometers 41.Infrared Vibrational Spectroscopy 42.Raman Scattering 43.Raman Spectroscopy Instrumentation 44.Magnetic Resonance Imaging 45.Structure Determination by NMR Spectroscopy 46.Tunneling Microscopy and Spectroscopy 47.Ultrafast Spectroscopy 48.Spectroscopy, Photoacoustic 49.Spectroscopy in Remote Sensing 50.Spectroscopy, Laser I 51.Spectroscopy, Laser II 52.Moessbauer Spectroscopy 53.Muon Spectroscopy 54.Single Photon Spectroscopy 55.Circular Dichroism 56.Electron Spin Resonance 57.Terahertz Spectroscopy 58.Ultrafast Dynamics 59.Surface Second Harmonic and Sum-frequency Generation 60.Colorimetry

出版: 2009年8月 ページ数(約): 1,200 ISBN13: 978-3-527-40773-6
価格: US\$470.00 (2009年11月30日まで) / 以降US\$580.00 (2009年10月現在/変動あり)

◆ご注文は洋書店にお願いします

◆資料ご請求、ご質問は—— **ワイリー・ジャパン**

〒112-0002 東京都文京区小石川1-28-1

フロンティア小石川ビル4F

TEL 03-3830-1232 FAX 03-5689-7276

E-mail: marketing@wiley.co.jp

日本語ホームページ: www.wiley.co.jp

取扱書店