1. Record Nr. UNISA996207695703316

Titolo	Anuario de la Facultad de Derecho, Universidad de Extremadura
Pubbl/distr/stampa	Cáceres, [Spain] : , : Universidad de Extremadura, , [1982]-
ISSN	2695-7728
Descrizione fisica	1 online resource (volumes)
Disciplina	340
Soggetti	Law - Spain Law - European Union countries Political science Public administration Criminology Droit - Espagne Droit - Pays de l'Union européenne Administration publique (Science) Criminologie Law Electronic journals. Law reviews. Periodicals. Revues de droit European Union countries Spain
Lingua di pubblicazione	Spagnolo
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Title varies slightly

2. Record Nr. UNINA9910830892503321

Autore	Garcia Sole J (Jose)
Titolo	An introduction to the optical spectroscopy of inorganic solids [[electronic resource] /] / J. Garcia Sole, L.E. Bausa, and D. Jaque
Pubbl/distr/stampa	Hoboken, NJ, : J. Wiley, c2005
ISBN	0-470-34187-4 0-470-01604-3 9786610272297 1-280-27229-5 0-470-86887-2
Descrizione fisica	1 online resource (305 p.)
Altri autori (Persone)	BausaL. E (Louisa E.) JaqueD (Daniel)
Disciplina	530.4/1 530.41 543.0858
Soggetti	Solids - Spectra Energy-band theory of solids Solid state chemistry Chemistry, Inorganic Spectrum analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	An Introduction to the Optical Spectroscopy of Inorganic Solids; Contents; Preface; Acknowledgments; Some Physical Constants of Interest in Spectroscopy; A Periodic Table of the Elements for Optical Spectroscopy; 1 Fundamentals; 1.1 The Origins of Spectroscopy; 1.2 The Electromagnetic Spectrum and Optical Spectroscopy; 1.3 Absorption; 1.3.1 The Absorption Coefficient; 1.3.2 The Measurement of Absorption Spectra: The Spectrophotometer; 1.3.3 Reflectivity; 1.4 Luminescence; 1.4.1 The Measurement of Photoluminescence: The Spectrofluorimeter; 1.4.2 Luminescent Efficiency 1.4.3 Stokes and Anti-Stokes Shifts1.4.4 Time-Resolved Luminescence; 1.5 Scattering: The Raman Effect; 1.6 Advanced Topic: The Fourier

Transform Spectrometer; Exercises; References and Further Reading; 2 Light Sources; 2.1 Introduction; 2.1.1 Thermal Radiation and Planck's Law; 2.2 Lamps; 2.2.1 Tungsten and Quartz Halogen Lamps; 2.2.2 Spectral Lamps; 2.2.3 Fluorescent Lamps; 2.2.4 High-Pressure Discharge Vapor Lamps; 2.2.5 Solid State Lamps; 2.3 The Laser; 2.3.1 Lasers as Light Sources in Spectroscopy; 2.3.2 The Basic Principles of Lasers; 2.3.3 Population Inversion: the Threshold Condition
2.3.4 Pumping Techniques2.3.5 The Resonator; 2.4 Types of Lasers; 2.4.1 The Excimer Laser; 2.4.2 Gas Lasers; 2.4.3 Dye Lasers; 2.4.4 Semiconductor Lasers; 2.4.5 Solid State Lasers; 2.5 The Tunability of Laser Radiation; 2.5.1 Tunable Solid State Lasers; 2.5.2 Tunable Coherent Radiation by Frequency-Mixing Techniques; 2.5.3 Optical Parametric Oscillation and Amplification; 2.6 Advanced Topics: Site Selective Spectroscopy and Excited State Absorption; 2.6.1 Site Selective Spectroscopy; 2.6.2 Excited State Absorption; Exercises; References and Further Reading; 3 Monochromators and Detectors
3.1 Introduction3.2 Monochromators; 3.3 Detectors; 3.3.1 Basic Parameters; 3.3.2 Types of Detectors; 3.4 The Photomultiplier; 3.4.1 The Working Principles of a Photomultiplier; 3.4.2 Noise in Photomultipliers; 3.5 Optimization of the Signal-to-Noise Ratio; 3.5.1 The Averaging Procedure; 3.5.2 The Lock-in Amplifier; 3.5.3 The Photon Counter; 3.5.4 The Optical Multichannel Analyzer; 3.6 Detection of Pulses; 3.6.1 Digital Oscilloscopes; 3.6.2 The Boxcar Integrator; 3.7 Advanced Topics: The Streak Camera and the Autocorrelator; 3.7.1 The Streak Camera; 3.7.2 The Autocorrelator; Exercises
References and Further Reading4 The Optical Transparency of Solids; 4.1 Introduction; 4.2 Optical Magnitudes and the Dielectric Constant; 4.3 The Lorentz Oscillator; 4.4 Metals; 4.4.1 Ideal Metal; 4.4.2 Damping Effects; 4.5 Semiconductors and Insulators; 4.6 The Spectral Shape of the Fundamental Absorption Edge; 4.6.1 The Absorption Edge for Direct Transitions; 4.6.2 The Absorption Edge for Indirect Transitions; 4.7 Excitons; 4.7.1 Weakly Bound (Mott-Wannier) Excitons; 4.7.2 Tightly Bound (Frenkel) Excitons; 4.8 Advanced Topic: The Color of Metals; Exercises; References and Further Reading
5 Optically Active Centers

Sommario/riassunto

This practical guide to spectroscopy and inorganic materials meets the demand from academia and the science community for an introductory text that introduces the different optical spectroscopic techniques, used in many laboratories, for material characterisation.Treats the most basic aspects to be introduced into the field of optical spectroscopy of inorganic materials, enabling a student to interpret simple optical (absorption, reflectivity, emission and scattering) spectraContains simple, illustrative examples and solved exercisesCovers the theory, instrumentat

3. Record Nr. UNINA9910483247403321

Titolo	10th International Conference on Robotics, Vision, Signal Processing and Power Applications : Enabling Research and Innovation Towards Sustainability / / edited by Mohamad Adzhar Md Zawawi, Soo Siang Teoh, Noramalina Binti Abdullah, Mohd Ilyas Sobirin Mohd Sazali
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-6447-8
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XVIII, 647 p. 322 illus., 239 illus. in color.)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 547
Disciplina	629.8
Soggetti	Control engineering Robotics Automation Artificial intelligence Signal processing Electric power production Control, Robotics, Automation Artificial Intelligence Signal, Speech and Image Processing Electrical Power Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Robotics, Control, Mechatronics and Automation -- Vision, Image, and Signal Processing -- Artificial Intelligence and Computer Applications -- Electronic Design and Applications -- Biomedical, Bioengineering and Applications -- RF, Antenna Applications and Telecommunication Systems -- Power Systems, High Voltage and Renewable Energy -- Electrical Machines, Drives and Power Electronics -- Devices, Circuits and Embedded Systems -- Sensors and Sensing Techniques.
Sommario/riassunto	This proceedings book presents a collection of research papers from the 10th International Conference on Robotics, Vision, Signal Processing & Power Applications (ROVISP 2018), which serves as a platform for researchers, scientists, engineers, academics and

industrial professionals from around the globe to share their research findings and development activities. The book covers various topics of interest, including, but not limited to: •Robotics, Control, Mechatronics and Automation •Vision, Image, and Signal Processing •Artificial Intelligence and Computer Applications •Electronic Design and Applications •Biomedical, Bioengineering and Applications •RF, Antenna Applications and Telecommunication Systems •Power Systems, High Voltage and Renewable Energy •Electrical Machines, Drives and Power Electronics •Devices, Circuits and Embedded Systems •Sensors and Sensing Techniques.