1.	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
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	ISBN	0-470-34187-4
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	Descrizione fisica	1 online resource (305 p.)
	Altri autori (Persone)	BausaL. E (Louisa E.)
		JaqueD (Daniel)
	Disciplina	530.4/1
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	Soggetti	Solids - Spectra
		Energy-band theory of solids
		Solid state chemistry
		Chemistry, Inorganic
		Spectrum analysis
	Lingua di pubblicazione	Inglese
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	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

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

2.	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.