

1. Record Nr.	UNINA9910299422603321
Autore	Gaft Michael
Titolo	Modern Luminescence Spectroscopy of Minerals and Materials [[electronic resource] /] / by Michael Gaft, Renata Reisfeld, Gerard Panczer
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-24765-4
Edizione	[2nd ed. 2015.]
Descrizione fisica	1 online resource (620 p.)
Collana	Springer Mineralogy, , 2366-1585
Disciplina	543.08584
Soggetti	Mineralogy Spectroscopy Microscopy Optics Electrodynamics Spectroscopy and Microscopy Classical Electrodynamics
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	Introduction -- Theoretical Background -- Experimental Techniques -- Luminescent Minerals -- Interpretation of Luminescence Centers -- Other laser-based techniques -- Laser Based Spectroscopies for Minerals Prospecting -- Minerals Radiometric Sorting and Online Process Control -- Identification of Minerals -- Waste Storage Geomaterials -- Conclusions -- References.
Sommario/riassunto	The book is devoted to three types of laser-based spectroscopy of minerals, namely Laser-Induced Time-Resolved Luminescence, Laser-Induced Breakdown spectroscopy and Gated Raman Spectroscopy. This new edition presents the main new data, which have been received after the publication of the first edition ten years ago both by the authors and by other researchers. During this time, only the authors published more than 50 original papers devoted to laser-based spectroscopy of minerals. A lot of new data have been accumulated, both in fundamental and applied aspects, which are presented in new

edition.
