

1. Record Nr.	UNINA9910483556403321
Autore	Pagonis Vasilis
Titolo	Luminescence : data analysis and modeling using R // Vasilis Pagonis
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-67311-1
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XXII, 350 p. 148 illus., 1 illus. in color.)
Collana	Use R
Classificazione	OPT 840
Disciplina	535.35
Soggetti	Luminescence R (Computer program language) Luminescència Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Introduction -- 2. Analysis and Modeling of TL Data -- 3. Analysis of Experimental OSL Data -- 4. Dose Response of Dosimetric Materials -- 5. Monte Carlo Simulations With Fixed Time Interval -- 6. Luminescence as a Stochastic Life-and-Death Process -- 7. Delocalized Transitions: The R Package RLumCarlo -- 8. Localized Transitions: The R Package RLumCarlo -- 9. Quantum Tunneling and Luminescence Models -- 10. Quantum Tunneling: The R Package RLumCarlo -- 11. Comprehensive Quartz Models Using Program KMS -- 12. Quartz Models Using the R-Package RLumModel.
Sommario/riassunto	This book covers applications of R to the general discipline of radiation dosimetry and to the specific areas of luminescence dosimetry, luminescence dating, and radiation protection dosimetry. It features more than 90 detailed worked examples of R code fully integrated into the text, with extensive annotations. The book shows how researchers can use available R packages to analyze their experimental data, and how to extract the various parameters describing mathematically the luminescence signals. In each chapter, the theory behind the subject is summarized, and references are given from the literature, so that researchers can look up the details of the theory and the relevant experiments. Several chapters are dedicated to Monte Carlo methods,

which are used to simulate the luminescence processes during the irradiation, heating, and optical stimulation of solids, for a wide variety of materials. This book will be useful to those who use the tools of luminescence dosimetry, including physicists, geologists, archaeologists, and for all researchers who use radiation in their research.

2. Record Nr.	UNIORUON00334872
Autore	KLAIMAN, M. H.
Titolo	Grammatical voice / M. H. Klaiman
Pubbl/distr/stampa	Cambridge ; New York, : Cambridge University Press, 1991
ISBN	05-213-6001-3
Descrizione fisica	323 p. ; 22 cm.
Disciplina	415
Soggetti	Grammatica
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr.	UNICAMPANIAVAN00102912
Titolo	Optimization in science and engineering : in honor of the 60th birthday of Panos M. Pardalos / Themistocles M. Rassias, Christodoulos A. Floudas, Sergiy Butenko editors
Pubbl/distr/stampa	New York, : Springer, 2014
Titolo uniforme	Optimization in science and engineering
Descrizione fisica	XIII, 610 p. : ill. ; 24 cm
Soggetti	05C85 - Graph algorithms (graph-theoretic aspects) [MSC 2020] 47N10 - Applications of operator theory in optimization, convex analysis, mathematical programming, economics [MSC 2020] 65K10 - Numerical optimization and variational techniques [MSC 2020] 65K15 - Numerical methods for variational inequalities and related problems [MSC 2020] 90C26 - Nonconvex programming, global optimization [MSC 2020] 91A40 - Other game-theoretic models [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia