

1.	Record Nr.	UNISALENTO991002108759707536
	Autore	Wheeler, Arthur Leslie
	Titolo	Catullus and the traditions of ancient poetry / Arthur leslie Wheeler
	Pubbl/distr/stampa	Berkeley : University of California Press, 1964
	Descrizione fisica	291 p. ; 23 cm.
	Collana	Sather classical lectures ; 9
	Disciplina	874.01
	Soggetti	Catullo, Gaio Valerio Catullo, Gaio Valerio
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910831166903321
	Titolo	Chemometrics and numerical methods in LIBS / / edited by Vincenzo Palleschi
	Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, Incorporated, , [2022] ©2022
	ISBN	1-119-75961-7 1-119-75957-9 1-119-75956-0
	Descrizione fisica	1 online resource (381 pages)
	Disciplina	543.015195
	Soggetti	Chemometrics Laser-induced breakdown spectroscopy
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references and index.

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recognized that LIBS techniques provide large sets of data statistical methods for simplification and analysis are essential; however, there is still some confusion on the proper application of these methods to LIBS analysis and, most of all, on the procedures that must be applied for the validation of the results obtained. The book will be organized in three parts, dealing with the main applications of chemometrics in LIBS: simplification of the spectral information, classification of spectra, quantitative analysis. Each part will be divided in sections, describing the different techniques with practical examples. For example, in Part 2, the techniques described will be discussed in the perspective of waste sorting by LIBS and LIBS micro-imaging of geological material, to mention just two of the main applications which exploits at the best the chemometric techniques of classification."--
