

1. Record Nr.	UNINA9910962860803321
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Titolo	A Handbook of Silicate Rock Analysis // by P.J. Potts
Pubbl/distr/stampa	New York, NY : , : Springer US : , : Imprint : Springer, , 1992
ISBN	1-4615-3270-1
Edizione	[1st ed. 1992.]
Descrizione fisica	1 online resource (ix, 622 pages) : illustrations
Disciplina	549
Soggetti	Mineralogy Social sciences Humanities Humanities and Social Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1 Concepts in analytical chemistry -- 2 Classical and rapid methods of analysis -- 3 Optical spectrometry: principles and instrumentation -- 4 Atomic absorption spectrometry -- 5 Inductively coupled plasma—atomic emission spectrometry -- 6 Arc and spark source optical emission spectrometry -- 7 Ion-selective electrodes -- 8 X-ray fluorescence analysis: principles and practice of wavelength dispersive spectrometry -- 9 Energy dispersive X-ray spectrometry -- 10 Electron probe microanalysis -- 11 Other microbeam and surface analysis techniques -- 12 Neutron activation analysis -- 13 Nuclear techniques for the determination of uranium and thorium and their decay products -- 14 Ion exchange preconcentration procedures -- 15 Gold and platinum group element analysis -- 16 Mass spectrometry: principles and instrumentation -- 17 Thermal ionization mass spectrometry -- 18 Gas source mass spectrometry -- 19 Spark source mass spectrometry -- 20 Inductively coupled plasma—mass spectrometry -- References.
Sommario/riassunto	The techniques available for the chemical analysis of silicate without an appreciation of what happens in between. rocks have undergone a revolution over the last 30 years. However, to use an analytical technique most effectively, No longer is the analytical balance the only instrument used it is essential to understand its analytical characteristics, in for quantitative measurement, as it was in the days of

classical particular the excitation mechanism and the response of the calorimetric procedures. A wide variety of instrumental signal detection systems. In this book, these characteristics techniques is now commonly used for silicate rock analysis, have been described within a framework of practical analytical including some that incorporate excitation sources and detection systems that have been developed only in the last few years. These instrumental developments now permit a wide range of trace elements to be determined on a routine basis. Some more specialized procedures. Sufficient detail is provided to give practitioners of geochemistry with a firm base from which to assess current performance, and in some cases, future developments. In parallel with these exciting advances, users have tended to become more remote from the data production process.