

1. Record Nr.	UNINA9910780251803321
Autore	Zhu Chen <1962->
Titolo	Environmental applications of geochemical modeling / / Chen Zhu, Greg Anderson [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2002
ISBN	0-511-15728-2 0-511-60627-3 0-511-02002-3
Descrizione fisica	1 online resource (xiv, 284 pages) : digital, PDF file(s)
Disciplina	551.9
Soggetti	Environmental geochemistry - Mathematical models Geochemical modeling
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references (p. 261-279) and index.
Sommario/riassunto	Geochemical modeling is a powerful tool for characterizing environmental site contaminations and predicting environmental impacts. This book discusses the application of geochemical models to environmental practice and studies, through the use of numerous case studies of real-world environmental problems, such as acid mine drainage, pit lake chemistry, nuclear waste disposal, and landfill leachates. In each example the authors clearly define the environmental threat in question; explain how geochemical modeling may help solve the problem posed; and advise the reader how to prepare input files for geochemical modeling codes and interpret the results in terms of meeting regulatory requirements. Support material for the book, including program codes, input files and exercise problems, is available on the Internet. Environmental Applications of Geochemical Modeling will serve as an advanced textbook for courses in environmental geochemistry, and as an indispensable reference for professional hydrogeologists, geochemists, engineers, and regulators, working within the environmental spheres.