

1. Record Nr.	UNINA9910841602203321
Titolo	Biom mineralization [[electronic resource] ] : medical aspects of solubility // [edited by] Erich Konigsberger and LanChi Konigsberger
Pubbl/distr/stampa	Chichester, England ; ; Hoboken, NJ, : J. Wiley, c2006
ISBN	1-280-51928-2 9786610519286 0-470-09212-2 0-470-09211-4
Descrizione fisica	1 online resource (312 p.)
Altri autori (Persone)	KonigsbergerErich KonigsbergerLanChi
Disciplina	572.51 612.01524 612/.01524
Soggetti	Biom mineralization
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	Solubility phenomena related to normal and pathological biom mineralization processes / Erich Konigsberger and LanChi Konigsberger -- Mechanisms of renal and salivary calculi formation and development / Felix Grases and Antonia Costa-Bauza -- Calcium and magnesium phosphates : normal and pathological mineralization / Clara F. Magalhaes, Paula A.A.P. Marques, and Rui N. Correia -- Relevance of a polymer-induced liquid-precursor (PILP) mineralization process to normal and pathological biom mineralization / Fairland F. Amos ... [et al.] -- Pathological biom mineralization of iron / Wanida Chua-anusorn and Timothy G. St. Pierre.
Sommario/riassunto	This title takes an interdisciplinary approach to the central role of solubility in pathological biom mineralisation, ranging from traditional thermodynamics and kinetics to unusual concepts such as the PILP process. The scientific background and expertise of the contributors, ranges accordingly from solubility modelling and database development, renal stone and bone implant research, Mossbauer spectroscopy and structural chemistry to biochemistry and

crystallisation. The chapters all have a quantitative, physico-chemical component rather than giving purely phenomenological descriptions.  
The con

---