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Titolo	Biom mineralization [[electronic resource]] : medical aspects of solubility // [edited by] Erich Konigsberger and LanChi Konigsberger
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Altri autori (Persone)	KonigsbergerErich KonigsbergerLanChi
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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.
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