Record Nr.	UNINA9910451137203321
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Titolo	Chemical change in deforming materials [[electronic resource] /] / Brian Bayly
Pubbl/distr/stampa	New York, : Oxford University Press, 1992
ISBN	0-19-756021-0 1-280-52551-7 9786610525515 0-19-536188-1 1-4237-9997-6
Descrizione fisica	1 online resource (245 p.)
Collana	Oxford monographs on geology and geophysics ; ; no. 21
Disciplina	620.1/1242
Soggetti	Chemical equilibrium Deformations (Mechanics) Geochemistry Materials - Compression testing Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previously issued in print: 1992.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Symbols; 1. Overview and preview of conclusions; I: FUNDAMENTALS; II: SIMULTANEOUS DEFORMATION AND DIFFUSION; III: APPLICATION: MOVEMENTS ALONG ONE DIRECTION; IV: EXTENSIONS; References and notes; Index
Sommario/riassunto	This work details the chemical changes that occur in deforming materials subjected to unequal compressions. While thermodynamics provides, at the macroscopic level, an excellent means of understanding & predicting the behaviour of materials in equilibrium & non-equilibrium states, much less is understood about nonhydrostatic stress & interdiffusion at the chemical level. Little is known, for example, about the chemistry of a state resulting from a cylinder of deforming material being more strongly compressed along its length than radially, a state of non-equilibrium that remains no matter how ideal the cylinder's condition in other respects. M. Brian Bayly here

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