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Autore	Bayly M. Brian <1929->
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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 provides the outline of a comprehensive approach to gaining a simplified & unified understanding of such phenomena.

2. Record Nr.	UNINA9910741366403321
Autore	Halkos George
Titolo	Modeling Energy-Environment-Economy Interrelations
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Descrizione fisica	1 online resource
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Sommario/riassunto	Understanding the interconnection between energy, the environment, and the economy is critical in contemporary society. The relationship between energy consumption, economic growth, and the environment has garnered significant attention from researchers and policymakers alike, and understanding the underlying causal connection between energy and the economy is crucial for modeling effective environmental and growth policies. Moreover, the emergence of new energy and environmental policies would create a plethora of further research opportunities in this evolving climate regime. For instance, several countries prioritize projects focused on energy efficiency, as they are considered low-risk, no-regret options that may yield economic benefits. In a nutshell, this Special Issue aims to address a gap in the existing literature by providing an in-depth analysis of the interplay between energy, the environment, and the economy, emphasizing the exploration of the potential environmental impacts of energy consumption and economic growth.