Record Nr. UNINA9910792595903321 Emergence in science and philosophy / / edited by Antonella Corradini **Titolo** and Timothy O'Connor Pubbl/distr/stampa New York:,: Routledge,, 2010 **ISBN** 1-136-95511-9 1-136-95512-7 1-282-58619-X 9786612586194 0-203-84940-X Descrizione fisica 1 online resource (329 p.) Collana Routledge studies in the philosophy of science;; v. 6 Altri autori (Persone) CorradiniAntonella O'ConnorTimothy <1965-> Disciplina 116 Soggetti Emergence (Philosophy) Science - Philosophy Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto pt. 1. Emergence: general perspectives -- pt. 2. Self, agency and free will -- pt. 3. Physics, mathematics and the special sciences. The concept of emergence has seen a significant resurgence in Sommario/riassunto philosophy and the sciences, yet debates regarding emergentist and reductionist visions of the natural world continue to be hampered by imprecision or ambiguity. Emergent phenomena are said to arise out of and be sustained by more basic phenomena, while at the same time exerting a ""top-down"" control upon those very sustaining processes. To some critics, this has the air of magic, as it seems to suggest a kind of circular causality. Other critics deem the concept of emergence to be

objectionably anti-naturalistic. Objections suc