Record Nr. UNINA9910812482403321 Clusters and nano-assemblies: physical and biological systems: **Titolo** Richmond, Virginia, U.S.A., 10-13 November, 2003 / / editors, P. Jena, S.N. Khanna, B.K. Rao Singapore; New York, : World Scientific Pub., c2005 Pubbl/distr/stampa **ISBN** 1-281-37280-3 9786611372804 981-270-187-7 Edizione [1st ed.] Descrizione fisica 1 online resource (465 p.) Altri autori (Persone) **JenaP** KhannaS. N RaoB. K Disciplina 539/.6 Nanostructures Soggetti Microclusters 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 Preface; CONTENTS; Atomic Clusters; Organic and Molecular Clusters; Catalysis; Quantum Dots/Rings; Nano-Wires and Tubes; Magnetic Properties: Electrical and Optical Properties: Clusters on Support: Nano-Growth on Strained SurfacedNano-Assemblies; Biology at Molecular Level; Bio technology; Organization; Participants; Author Index; Subject Index While the field of clusters and nano-structures in the physical sciences Sommario/riassunto has been actively pursued only over the past two decades, nature has known the benefits of the nanoscale for a very long time. The focus of the International Symposium on Clusters and Nano-Assemblies: Physical and Biological Systems was to explore ways in which an understanding of the unique properties of nano-scale biological systems such as proteins, enzyme reactions, RNA, and DNA can help us design novel materials composed of inorganic nano-scale systems, and how techniques developed in the physical sciences can lead t