Record Nr. UNINA9910783925403321 Clusters and nano-assemblies [[electronic resource]]: physical and Titolo biological systems: 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 Descrizione fisica 1 online resource (465 p.) Altri autori (Persone) **JenaP** KhannaS. N RaoB. K Disciplina 539/.6 Soggetti Nanostructures Microclusters Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references and index. Nota di bibliografia 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 Sommario/riassunto While the field of clusters and nano-structures in the physical sciences 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