1. Record Nr. UNISA996395210803316

Autore	Mackworth Humphrey, Sir, <1657-1727.>
Titolo	Sir Humphrey Mackworth's real vindication, or, The true university answer to the pretended university ballad [[electronic resource]]
Pubbl/distr/stampa	London, : Printed in the year. 1705. And sold by Ben : Bragg in Avemary-Lane, 1705
Descrizione fisica	1 sheet ([2] p.)
Soggetti	Ballads, English - 18th century Church and state - England Broadsides18th century.England
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Caption title. Attributed to Sir Humphrey Mackworth. Cf. British Library. Imprint from colophon. "The reader is desir'd to distinguish this from the Scoto-Cambrian edition, lately set forth in a broadside, which was publish'd contrary to the author's intentions, and has very little in it that comes up to his meaning, as may be seen by the perusal"--Colophon. Text in two columns with verses I-XXVI, Initials. First line: "We receiv'd your advice as good daughters." Imperfect: print show-through with slight loss of text. Reproduction of original in: British Library.
Sommario/riassunto	eebo-0018

2. Record Nr. UNINA9910956167803321

Titolo	Handbook of nanophysics . 2 Clusters and fullerenes / / edited by Klaus D. Sattler
Pubbl/distr/stampa	Boca Raton, Fla., : CRC Press, 2010
ISBN	1-04-022009-6 0-429-19320-3 1-4200-7555-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (912 p.)
Collana	Handbook of Nanophysics
Altri autori (Persone)	SattlerKlaus D
Disciplina	530 620.5
Soggetti	Nanotechnology Nanostructures Microphysics Microclusters Fullerenes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A CRC title.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front cover; Contents; Preface; Acknowledgments; Editor; Contributors; Part I: Free Clusters; Chapter 1. Nanocluster Nucleation, Growth, and Size Distributions; Chapter 2. Structure and Properties of Hydrogen Clusters; Chapter 3. Mercury: From Atoms to Solids; Chapter 4. Bimetallic Clusters; Chapter 5. Endohedrally Doped Silicon Clusters; Chapter 6. The Electronic Structure of Alkali and Noble Metal Clusters; Chapter 7. Photoelectron Spectroscopy of Free Clusters; Chapter 8. Photoelectron Spectroscopy of Organic Clusters; Chapter 9. Vibrational Spectroscopy of Strongly Bound Clusters Chapter 10. Electric and Magnetic Dipole Moments of Free NanoclustersChapter 11. Quantum Melting of Hydrogen Clusters; Chapter 12. Superfluidity of Clusters; Chapter 13. Intense Laser-Cluster Interactions; Chapter 14. Atomic Clusters in Intense Laser Fields; Chapter 15. Cluster Fragmentation; Part II: Clusters in Contact; Chapter 16. Kinetics of Cluster-Cluster Aggregation; Chapter 17. Surface Planar Metal Clusters; Chapter 18. Cluster-Substrate Interaction; Chapter 19.

Energetic Cluster-Surface Collisions; Chapter 20. Molecules and Clusters Embedded in Helium Nanodroplets
Part III: Production and Stability of Carbon FullerenesChapter 21. Plasma Synthesis of Fullerenes; Chapter 22. HPCL Seperation of Fullereness; Chapter 23. Fullerene Growth; Chapter 24. Production of Carbon Onions; Chapter 25. Stability of Charged Fullerenes; Chapter 26. Fragmentation of Fullerenes; Chapter 27. Fullerene Fragmentation; Part IV: Structure and Properties of Carbon Fullerenes; Chapter 28. Symmetry of Fulleroids; Chapter 29. C20, the Smallest Fullerene; Chapter 30. Solid-State Structures of Small Fullerenes; Chapter 31. Defective Fullerenes; Chapter 32. Silicon-Doped Fullerenes
Chapter 33. Molecular Orbital Treatment of Endohedrally Doped FullerenesChapter 34. Carbon Onions; Chapter 35. Plasmons in Fullerene Molecules; Chapter 36. [60]Fullerene-Based Electron Acceptors; Part V: Carbon Fullerenes in Contact; Chapter 37. Clusters of Fullerenes; Chapter 38. Supramolecular Assembiles of Fullerenes; Chapter 39. Supported Fullerenes; Chapter 40. Fullerene Suspensions; Chapter 41. Fullerene Encapsulation; Chapter 42. Electronic Structure of Encapsulated Fullerenes; Chapter 43. Metal-Coated Fullerenes; Chapter 44. Fullerol Clusters; Chapter 45. Polyhydroxylated Fullerenes
Chapter 46. Structure and Vibrations in C60 Carbon PeapodsPart VI: Inorganic Fullerenes; Chapter 47. Boron Fullerenes; Chapter 48. Silicon Fullerenes; Chapter 49. Boron Nitride Fullerenes and Nanocones; Chapter 50. Fullerene-Like III-V Binary Compounds; Chapter 51. Onion-Like Inorganic Fullerenes; Index; Back cover

Sommario/riassunto

The field of nanoscience was pioneered in the 1980s with the groundbreaking research on clusters, which later led to the discovery of fullerenes. Handbook of Nanophysics: Clusters and Fullerenes focuses on the fundamental physics of these nanoscale materials and structures. Each peer-reviewed chapter contains a broad-based introduction and enhances understanding of the state-of-the-art scientific content through fundamental equations and illustrations, some in color. This volume covers free clusters, including hydrogen, bimetallic, silicon, metal, and atomic clusters, as well as the cluster in