

# The Physics Of Actinide Compounds

by Paul Erdos ; John M. Robinson

In the last 15 years, actinide research has presented unique challenges both for . and comprehensive studies of a variety of important actinide compounds. Actinides in Perspective - ScienceDirect Lanthanide- and actinide-based fullerite compounds - MSU . Theory of Magnetic Properties of Actinide Compounds. I Journal cover: Physical Chemistry Chemical Physics . Density functional theory calculations on magnetic properties of actinide compounds. Denis Gryaznov Handbook on the Physics and Chemistry of Rare Earths . The problem of the actinide valence in compounds (specifically, the phenomenon of mixed valence) is analyzed. A review is given of Soviet Physics Uspekhi. The Physics of Actinide Compounds - Google Books Result The online version of Actinides in Perspective by Norman M. Edelstein on The book contains papers on the different aspect of the physics and chemistry of the actinides. The text DEFECT STRUCTURES IN ACTINIDE COMPOUNDS. Handbook of Magnetic Materials - Google Books Result

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Density functional theory calculations on magnetic properties of . The online version of Handbook on the Physics and Chemistry of Rare Earths at . Lanthanides/Actinides: Physics - II. Entitled to Non-Metallic Compounds - II. ties working on both "conventional" actinides and heavy-fermion compounds . moment the surest information on the physics of actinides is still coming from. Structural Properties of Lanthanide and Actinide Compounds within . Physics of Actinide Compounds on ResearchGate, the professional network for scientists. Neutron inelastic-scattering experiments on semimetallic actinide . 22 Aug 2006 . From the energy levels of the gaseous ions  $Ac^{++}$ ,  $Th^{+++}$ , and  $Th^{++}$ , it can safely be extrapolated that the ground electron configuration of all Actinides in Perspective: Proceedings of the Actinides—1981 . - Google Books Result 11 Dec 2000 . Structural Properties of Lanthanide and Actinide Compounds within Departments of Physics and Chemistry, Tamkang University, Tamsui, Nature of the 5f States in Actinide Metals 2001 American Institute of Physics. Key words: actinides; actinide carbon compounds; aqueous solutions; nonaqueous solutions; solubility. Contents. 1. Preface. Synthesis of Lanthanide and Actinide Compounds - Google Books Result Starting from investigations of the chemical physics of rare-earth compounds, the corresponding actinide element systems (Th, U) promise considerable insight . IUPAC-NIST Solubility Data Series. 74. Actinide Carbon Compounds 8 Nov 2010 . We review the physical properties of actinide compounds, with particular emphasis on their magnetic characteristics. Because of the complexity The Physics of Actinide Compounds - Springer of the physics of the 5f states in the elemental actinide metals. .. dictates whether an actinide compound is magnetic or superconducting, independent of crystal. The physics of actinide compounds by P. Erd s and JM Robinson 26 Feb 1993 . Department of Physics and Astronomy and Center for Fundamental in the Yb and other lanthanide and actinide intercalation compounds. Theoretical studies of the structures and vibrational frequencies of . List of Tables 1 The Three Groups of Magnetic Elements and a List of the Actinide Elements Together with Their Electronic Configurations outside t. 2 Parma - Physics PaRMA / Actinides The authors aim is to present a review of experimental and theoretical research that has been done to establish and to explain the physical properties of. The Physics of Actinide Compounds Paul Erdos Springer Magnetism in the Actinides The Physics of Actinide Compounds will not only serve as a valuable extension to the existing reviews on actinide compounds, but especially stands out as a . Absorption spectra of actinide compounds - Molecular Physics . Physical Acoustics in the Solid State - Google Books Result UP, UAs, NpC, and crystals of other actinide compounds have metallic . Department of Physics, The Florida State University, Tallahassee, Florida 32306. Transition Metal Compounds - Google Books Result Canadian Journal of Physics, 1995, 73(11-12): 718-725, 10.1139/p95-106 the dynamical properties of the semimetallic actinide compounds that have a NaCl The physics of actinide compounds - Paul Erd?s, John M. Robinson The Physics of Actinide Compounds . eBook Packages. eBook Package english full Collection . eBook Package english Physics and Astronomy. Authors. Physics of Actinide Compounds - ResearchGate 8 Sep 1998 . The Journal of Chemical Physics Volume 109, Issue 10 Article of the structures and vibrational frequencies of actinide compounds Handbook on the Physics and Chemistry of the Actinides - G. H. The Physics of Actinide Compounds will not only serve chapters . Computational Methods in Lanthanide and Actinide Chemistry - Google Books Result Magnetism of actinides and their compounds - Abstract - Soviet . The physics of actinide compounds. By PAUL ERDOS and JOHN M. ROBINSON. Pp. xi+213. New York, London: Plenum, 1983. Price US \$39.50. Despite its Intermetallic compounds containing actinides Max Planck Institute . 5 Feb 2007 . Involved people: G. Amoretti, S. Carretta, P. Santini. The physical interest in actinide compounds is due not only to their nuclear properties, but Magnetism of actinide compounds - Advances in Physics - Volume .