



Uberlieferungen Zur Geschichte Unserer Zeit (7)

By-

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 28 pages. Original publisher: Upton, N. Y.: Brookhaven National Laboratory, 2005 OCLC Number: (OCoLC)244391704 Subject: Research -- United States. Excerpt: . . . discovery for passion a Llmarjwggg ufgaffcjnqaacjcprcThe CFN provides scientists with state-of-thechemical reactions using nanoparticles art capabilities for fabricating and studying nano-meter-scale functional materials. Nanomaterials gmjmegajlbqmdrllmkrcpgjq qsafqcan possess chemical and physical properties biomolecules and polymers, in which different from those of their larger-scale, bulk specialized designs can mimic nature and counterparts. Understanding and enhancing lead to new functions nanomaterial functions is of capital importance, 13 as it is these properties that ultimately enable Cjcarpmlgallmkrcpgjq ufmqcmnrgajlbpractical applications. electronic properties can be enhanced for incorporation into efflcient energy-The scientiflc directions of the CFN are primar-conversion devices ily aligned with our national challenges in energy. Nanostructured materials may enable energy-efficient processes and devices for alternatives Nanocatalysis to fossil fuels, such as efficient catalysts, fuel cells, Nanocatalysis uses tiny structures, a few nano-photovoltaic (solar cell) elements, or solid-state meters in size, to speed up chemical reactions lighting. Research programs in the CFN focus on essential to modern life. Metal-containing three key areas: nanoparticles are indispensable ingredients in...



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