

## Polyoxometalate Molecular Science Nato Science Series Ii

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For example, their tunable molecular architecture, charge density, strong redox capability, electro- and photochemical properties, make that these molecular metal-oxide nano-clusters are increasingly applied in diverse fields, such as medicine , magnetism , electronics , electro- and photochromic systems , and catalysis .

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Polyoxometalate molecular science J.J. Borrás-Almenar, E. Coronado, A. Müller, M.T. Pope (Eds.), Polyoxometalate Molecular Science, NATO Science Series, vol. 98, Kluwer Academic Publishers, Dordrecht, The Netherlands (2003)

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Investigation on fluorescence properties of ultrafine PVA fiber mats-contained polyoxometalate with different molecular structure. Yongling Sun. Key Laboratory of Polyoxometalates Science of Ministry of Education, Northeast Normal University, Changchun 130024, People's Republic of China.

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Polyoxometalate Molecular Science(Reprint) (Nato Science Series II: (closed)) by Eugenio Coronado, Achim Müller, Juan J. Borrás-Almenar, Michael Pope, M.T. Pope, Juan J. Borrás-Almenar, Michael T. Pope, Editor-Juan J. Borrás-Almenar, Achim Müller, University Of Valencia, Achim Müller Paperback, 475 Pages, Published 2003 by Springer ISBN ...

## **Top-down synthesis of polyoxometalate-like sub-nanometer ...**

Abstract  $\alpha$ -Glucosidase is an important target enzyme for the treatment of type 2 diabetes in humans. In our previous studies, it was found that polyoxometalates exhibited an effective inhibitory effect on the activity of  $\alpha$ -glucosidase, while polyoxometalates have the characteristics of structural diversity and unique properties.

## **Polyoxometalate Molecular Science (eBook, 2003) [WorldCat.org]**

NATO Advanced Study Institute on Polyoxometalate Molecular Science (2001 : Tenerife, Canary Islands).

## **A Chemically Soldered Polyoxometalate Single-Molecule**

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Molecular modelling by Polarz et al. show that the DODA-POM hybrids consist of defined units, in which the cationic surfactant

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has all protons replaced and is strongly attached to the POM cluster. However, a close examination of our AFM images shows that the nanorods are indeed formed on an already well-organised underlying layer ( Fig. 4 ).

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