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Applications | Andrew J. Boydston, Christopher W. Bielawski (auth.), Alaa S. Abd-El-Aziz, Charles E. Carraher ...

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## **Inorganic and Organometallic Macromolecules : Design and ...**

"Inorganic and organometallic" in the context of this Symposium is meant to describe macromolecules which usually contain inorganic elements in the chain and organic moieties as pendant groups.

## **Inorganic and Organometallic Polymers**

Single-molecule conductance studies on metal-containing inorganic and organometallic molecular wires are relatively less explored compared to those on organic molecular wires. Furthermore, conductance and transmission profiles of the metal-containing wires insensitive to the metal centers often hinder rational design for high performance wires. Here, synthesis and single-molecule conductance ...

## **Single-Molecule Junction of a Cationic Rh(III) Polyyne ...**

Molecular Organometallic Materials for Optics Volume Editors: H. Le Bozec, V. Guerschais Vol. 28, 2010 Conducting and Magnetic Organometallic Molecular Materials Volume Editors: M. Fourmigue', L. Ouahab Vol. 27, 2009 Metal Catalysts in Olefin Polymerization Volume Editor: Z. Guan Vol. 26, 2009 Bio-inspired Catalysts Volume Editor: T. R. Ward ...

## **45 Topics in Organometallic Chemistry**

Journal of Inorganic and Organometallic Polymers and Materials [JIOP or JIOPM] is a comprehensive resource for reports on the latest theoretical and experimental research. This monthly journal encompasses a broad range of synthetic and natural substances that contain main group, transition, and inner transition elements.

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## **Scilit | Article - Single-Molecule Junction of a Cationic ...**

Recent developments of single-molecule conductance measurements allow us to understand fundamental conducting

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properties of molecular wires. While a wide variety of organic molecular wires have been studied so far, inorganic and organometallic molecular wires have received much less attention.

## **Inorganic and Organometallic Molecular Wires for Single**

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This conference will cover important themes shaping the organometallic landscape: ligand design, main group chemistry, transition metal catalysis, and many others. These topics have implications in organic/inorganic synthesis, polymerization, photochemistry, and small molecule activation.

## **2019 Organometallic Chemistry Conference GRC**

2017, 23,2067), which would be useful for molecule-based nano-devices. Invited for the cover of this issue is the group of Y. Tanaka and M. Akita at the Tokyo Institute of Technology. The image depicts the jigsaw puzzle of inorganic and organometallic molecularwires, in which their functionality can be easily tuned by

## **Inorganic and Organometallic Molecular Wires for Single**

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Alaa S. Abd-El-Aziz, Amani A. Abdelghani, Ajay K. Mishra, Optical and Biological Properties of Metal-Containing Macromolecules, Journal of Inorganic and Organometallic Polymers and Materials, 10.1007/s10904-019-01293-y, (2019).

## **Bio-Metallodendrimers - Emerging Strategies in Metal-Based ...**

Journal of Inorganic and Organometallic Polymers and Materials 2010, DOI: 10.1007/s10904-010-9436-8. Mitsuhiro Shibata, Ryosuke Horie, Wataru Yoneta. Intermolecular interaction of supramolecular organic-inorganic hybrid composites of sulfonated polystyrene and oligomeric silsesquioxane possessing pyridyl groups.

## **Organic/Inorganic Hybrid Epoxy Nanocomposites from ...**

Inorganic and Organometallic Transition Metal Complexes with Biological Molecules and Living Cells provides a complete

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overview of this important research area that is perfect for both newcomers and expert researchers in the field. Through concise chapters written and edited by esteemed experts, this book brings together a comprehensive treatment of the area previously only available through scattered, lengthy review articles in the literature.

## **Inorganic and Organometallic Transition Metal Complexes**

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ASU students design and synthesize inorganic and organometallic complexes for energy and sustainability challenges inspired by biology or based on fundamental understanding of molecular structure and function, they make novel hard-to-soft matter interfaces, synthesize novel 2-dimensional materials, and combine inorganic chemistry, applied physics and materials science to design and prepare novel solid state and molecular materials for electronic applications.

## **Inorganic Chemistry | School of Molecular Sciences**

This track draws on diverse strengths in many areas of Inorganic Chemistry including: nano-materials synthesis and characterization, energy conversion and storage, bioinorganic and biomimetic chemistry, organometallic synthesis, catalysis, structure determination, magnetic materials development, spectroscopy and sensor design.

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