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Reportlinker.com announces the release of the report "Platinum Group Metals Market - Growth, Trends, COVID-19 Impact, ...

~~The market was negatively impacted by COVID-19 in 2020~~
Platinum and palladium both find

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more common use than the others, but both iridium and ruthenium have experienced significant price increases in 2021. Across the board, the platinum group metals have ...

~~PGEs — lots of resources~~

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~~companies talk about them. But
what are they?~~

Nonferrous metals and alloys are non-iron-based metals or alloys used for ... are rare metallic elements and alloys such as silver, gold, platinum, palladium, iridium, osmium, rhodium, and ruthenium.

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~~Nonferrous Metals and Alloys
Information~~

Shell Energy has started up a 10-MW polymer electrolyte membrane (PEM) electrolyzer facility—one of the largest of its kind in the world—to produce green

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~~Shell Starts Up 10-MW REFHYNE
Hydrogen Electrolyzer, Eyes
Expansion to 100 MW~~

The "non-equilibrium ... the
world's first platinum-group-metal
high-entropy-alloy nanoparticles

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(PGM-HEA), which is a homogeneous mixture of all six platinum-group elements (platinum (Pt), palladium ...

~~Research Results~~

Platinum Group Metals (PGM)
which include rhodium, palladium,

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platinum, osmium, ruthenium and iridium is a case of a bull ...
modest increases could occur in some sectors of the commodity complex and ...

~~Exports look set to boost struggling economy~~

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Platinum has lagged both precious metals and the broad commodity complex for several years as ...

While the 0.59% expense ratio is certainly non-negligible, it pales in comparison to buying ...

~~PPLT: Dirt Cheap With A Bright~~

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Interestingly, the non ... precious metals were also seeing some dip-buying activity on Friday, with the complex up by an average of 1.1% this morning, after some significant losses on Thursday - ...

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~~MORNING VIEW: LME base
metals run into dip buying after
recent weakness~~

Professor William Griffith

Professor Griffith ' s chemical work
was mainly centred on compounds
of the six platinum metals,
ruthenium, osmium ... laureate),

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focusing on transition metal
nitrosyl

~~Winner: 2020 Award for
Exceptional Service~~

The copper & diamonds segment
has managed operations in
Australia, Canada, Mongolia and

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the U.S., and non-managed
operations ... ferroalloys, platinum
group metals, gold, silver and
cobalt.

~~Ride The Iron Ore Price With
These Three Metals & Mining
Stocks~~

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Categorised as hazardous and non-hazardous E-Waste ... further recovery of precious metals like copper, silver, gold, aluminum, palladium, tantalum, ruthenium, platinum etc. and treating the ...

~~E-Waste is a treasure trove that~~

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~~needs to be tapped~~ Cancer

GOLD price has slipped to its lowest since mid-April due to the extended long positioning and the strength in the US dollar, which is the cause for the precious metal 's retreat. The strength of the ...

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Extended long positioning,
~~greenback strength weighs on gold~~
Its Platinum Group Metals
products include platinum,
palladium, rhodium, iridium,
ruthenium and osmium. PGMs
projects are located in the
Bushveld Complex in South Africa.

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It holds interests in two...

With contributions by numerous
experts

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With contributions by numerous experts

The discovery of the antitumour activity of cisplatin in 1965 and its subsequent introduction into

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clinical trials in 1971 was the catalyst for a major international research effort investigating the potential of metal compounds in cancer therapy. Cisplatin now occupies an important place in the armamentarium of the oncologist due to its effectiveness in the

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treatment of testicular cancer. A second generation analogue, carboplatin, offers reduced toxicity together with therapeutic activity, which gives it a place in the front-line therapy of genitourinary cancers. These and other successes have encouraged the

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search for novel metal-based
drugs for cancer therapy.

Research has shown that metal
compounds have potential for
activity not only as cytotoxic
antitumour agents, but also in
areas such as adjuvant therapy,
diagnosis and immunotherapy. The

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The aim of this book is to review and describe the major achievements and developments arising from this international research effort. The contributing authors come from laboratories throughout Europe and America and represent the many disciplines characteristic of

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this research, such as clinical research, pharmacology, tumour biology and inorganic medicinal chemistry.

With contributions by numerous experts

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The use of copper, silver, gold and platinum in jewelry as a measure of wealth is well known. This book contains 19 chapters written by international authors on other uses and applications of noble and precious metals (copper, silver, gold, platinum, palladium, iridium,

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osmium, rhodium, ruthenium, and rhenium). The topics covered include surface-enhanced Raman scattering, quantum dots, synthesis and properties of nanostructures, and its applications in the diverse fields such as high-tech engineering,

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nanotechnology, catalysis, and
biomedical applications. The basis
for these applications is their high-
free electron concentrations
combined with high-temperature
stability and corrosion resistance
and methods developed for
synthesizing nanostructures.

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Recent developments in all these areas with up-to-date references are emphasized.

Metal-based anticancer drugs are among the most successful therapeutic agents, as evidenced by the frequent prescription of

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selected platinum and arsenic compounds to patients. Metal-based Anticancer Agents covers the interdisciplinary world of inorganic drug discovery and development by introducing the most prominent compound classes based on different transition

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metals, discussing emerging concepts and enabling methods, as well as presenting key pre-clinical and clinical aspects. Recent progress on the unique features of next-generation targeted metal-based anticancer agents, including supramolecular coordination

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complexes used for both therapy and drug delivery, promise a bright future beyond the benefits of pure cytotoxic activity. With contributions from global leaders in the field, this book will serve as a useful reference to established researchers as well as a practical

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guide to those new to
metalloodrugs, and postgraduate
students of medicinal chemistry
and metallobiology.

This book will describe Ruthenium
complexes as chemotherapeutic
agent specifically at tumor site. It

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has been the most challenging task in the area of cancer therapy.

Nanoparticles are now emerging as the most effective alternative to traditional chemotherapeutic approach. Nanoparticles have been shown to be useful in this respect. However, in view of organ system

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complicacies, instead of using nanoparticles as a delivery tool, it will be more appropriate to synthesize a drug of nanoparticle size that can use blood transport mechanism to reach the tumor site and regress cancer. Due to less toxicity and effective bio-

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distribution, ruthenium (Ru) complexes are of much current interest. Additionally, luminescent Ru-complexes can be synthesized in nanoparticle size and can be directly traced at tissue level. The book will contain the synthesis, characterization, and applications

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of various Ruthenium complexes as chemotherapeutic agents. The book will also cover the introduction to chemotherapy, classification of Ru- complexes with respect to their oxidation states and geometry, Ruthenium complexes of nano size: shape and

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binding-selectivity, binding of ruthenium complexes with DNA, DNA cleavage studies and cytotoxicity. The present book will be more beneficial to researchers, scientists and biomedical. Current book will empower specially to younger generation to create a

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new world of ruthenium chemistry in material science as well as in medicines. This book will be also beneficial to national/international research laboratories, and academia with interest in the area of coordination chemistry more especially to the Ruthenium

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The study showed some promising results which are listed below. The type of the bridging ligand attached to the metal center played a vital role in determining the potency of the drug, the longer

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Metals ligand being more effective.

The benefit of working with two metal centers as compared to one center was minimal; MP2+ and P4+ have similar IC50 values.

Stereochemistry had a measurable effect on cytotoxicity; the Delta/DeltaDelta isomers were

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approximately twice more potent than the Δ/Δ isomers. The stereochemistry around the dimeric complexes ought to be $\Delta\Delta$ for it work best, meso complexes ($\Delta\Delta$) are equivalent in potency as the $\Delta\Delta$ isomers. Complexes MP2+ and

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P4+ showed higher IC50 values in healthy cells and so they have a larger therapeutic window which can be very useful in designing new cancer therapy drugs.

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