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NMR | Gaussian.com

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ONIOM | Gaussian.com

Lisp (historically LISP) is a family of programming languages with a long history and a distinctive, fully parenthesized prefix notation. Originally specified in 1958, Lisp is the second-oldest high-level programming language. Only Fortran is older, by one

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year. Lisp has changed since its early days, and many dialects have existed over its history. Today, the best-known general-purpose Lisp ...

Lisp (programming language) - Wikipedia

Mathematical models of the Milky Way suggest that the mass of dark matter is $1-1.5 \times 10^{12} M_{\odot}$. Recent studies indicate a range in mass, as large as $4.5 \times 10^{12} M_{\odot}$ and as small as $8 \times 10^{11} M_{\odot}$. The total mass of all the stars in the Milky Way is estimated to be between $4.6 \times 10^{10} M_{\odot}$ and $6.43 \times 10^{10} M_{\odot}$.

Milky Way - Wikipedia

1. Introduction. Seven years after the award of the Nobel Prize in Physics and thirteen years since the first report of freestanding, monolayer graphene, the worldwide interest in this “wonder material” is still increasing, as can be realized from the number of publications per year and the massive investment in

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research. The reason for this interest is mainly due to the multifunctionality ...

Mechanical properties of graphene and graphene-based ...

We investigated the energy transfer in the $2u(1D2)$ ion-pair state of I_2 by collision with noble gas atoms, Ar, Kr, and Xe, using an optical-optical double resonance/fluorescence detection technique. By analyzing the temporal profiles of the emission from the laser-excited $2u(1D2)$ state at various noble gas pressures, the quenching rate constants were determined to be (4.55 ± 0.42) ...

Energy Transfer in the $2u(1D2)$ Ion-Pair State of I_2 by ...

The first unit constitutes of two chapters i.e., Carbon and its compounds (chapter 4) and Periodic classification of elements (chapter 5). Here we are giving you the complete glance of carbon and its compounds class 10 important questions and answers and what to study from this

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chapter 4. The chapter focuses on the covalent properties and versatility of Carbon in forming a wide range of ...

Carbon and its Compounds Class 10 Important Questions and ...

In Figure 2e, the binding energies of Ni 2p 3/2 and 2p 1/2 of Pt 1 /Ni(OH) 2 /NG exhibit 0.4 eV higher than those of pristine Ni(OH) 2 /NG after the introduction of Pt, indicating the higher valence state of Ni in Pt 1 /Ni(OH) 2 /NG. This can be attributed to the incorporation of Pt single atoms with lower valence state (+1.6 valence from XANES).

Single-Atom Pt Boosting Electrochemical Nonenzymatic ...

Use 15 to 30 g (1/2 to 1 oz) for children, 50 to 100 g (1-3/4 to 3-1/2 oz) for adults, with 125 to 250 mL (1/2 to 1 cup) of water. 5. Promote excretion by administering a saline cathartic or sorbitol to conscious and alert victims. Children require 15 to 30 g (1/2 to 1 oz)

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of cathartic; 50 to 100 g (1-3/4 to 3-1/2 oz) is recommended for adults. 6.

Digitoxin | C41H64O13 - PubChem

General Chemistry 1 covers all of the topics typically covered in first semester General Chemistry and includes both formative assessments, with high scaffolding, and end of unit and module quizzes. This course offers highly contextualized, engaging content, designed in a logical flow that transitions smoothly between relatively small amounts of expository text, worked examples, activities,

General Chemistry 1 — Open & Free - OLI

During your first year you will learn the fundamentals of 3D modelling and texturing for use in a real-time games engine, Unreal Engine. You will learn art and design principles, art direction, visual art theories and will develop an understanding of shape, form, volume and anatomy through life drawing and

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fundamental studies.

Games Art - Staffordshire University

A new series of layered perovskite-like oxides $\text{Bi}_{3-x}\text{Nd}_x\text{Ti}_{1.5}\text{W}_{0.5}\text{O}_9$ ($x = 0.25, 0.5, 0.75, 1.0$) was synthesized by the method of high-temperature solid-state reaction, in which partial substitution of bismuth (Bi) atoms in the dodecahedra of the perovskite layer (A-positions) by Nd atoms takes place. X-ray structural studies have shown that all compounds are single-phase and have the ...

Electronics | Free Full-Text | The Structural and ...

Valproic acid is a branched-chain saturated fatty acid that comprises of a propyl substituent on a pentanoic acid stem. It has a role as an anticonvulsant, a GABA agent, an EC 3.5.1.98 (histone deacetylase) inhibitor, a teratogenic agent, a psychotropic drug, a neuroprotective agent and an antimanic drug. It is a branched-chain saturated

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fatty acid and a branched-chain fatty acid.

Valproic acid | C8H16O2 - PubChem

Figure 1. The tails of the Hale-Bopp comet point away from the Sun, evidence that light has momentum. Dust emanating from the body of the comet forms this tail. Particles of dust are pushed away from the Sun by light reflecting from them. The blue ionized gas tail is also produced by photons interacting with atoms in the comet material.

Photon Momentum | Physics - Lumen Learning

Compressional velocity V_p ranges between 0.69 and 6.0 m/s for common materials involved in seafloor gas hydrates, while shear velocity V_s ranges up to 4.04 m/s. It is apparent from values in Table 2.10 that methane free-gas impedance in sediments directly below the BGHS interface accounts for a distinct negative transition of

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impedance.. Acoustic impedance of gas hydrates will be much ...

Acoustic Impedance - an overview | ScienceDirect Topics

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A plane-wave cutoff energy of 450 eV was used with a smearing width of 0.2 eV. The structure relaxation ends when

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all forces on the free atoms are less than 0.05 eV \AA^{-1} . For structural ...

A silver catalyst activated by stacking faults for the ...

Unobtainium (pronounced un-ob-tain-ee-um) is a highly valuable mineral found on the moon Pandora. Humans mined unobtainium for energy generation, as the RDA was suppressing the development of alternatives on Earth. The value and mining process of the mineral was the primary cause for the poor state of human and Na'vi relations, only worsening as the years progressed. It is a room-temperature ...

Unobtainium | Avatar Wiki | Fandom

The relevant problem of choosing effective materials for enclosing structures is compliance with the requirements of increased thermal resistance, reduced mass of buildings and structures, and reduced material consumption, labor intensity, and construction costs. These requirements

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are satisfied by structures made of lightweight fiber-reinforced concrete, which are the subject of attention of ...

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