

HISTORICAL DICTIONARY OF CHINESE INTELLIGENCE HISTORICAL DICTIONARIES OF INTE

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What is the intelligence wing of China? MSS functions as China's intelligence, security and secret police agency. A document from the U.S. Department of Justice described the agency as being like a combination of the Central Intelligence Agency (CIA) and Federal Bureau of Investigation (FBI).

What was the first dictionary in ancient China who was the author? During his own lifetime, Xu was recognized as a preeminent scholar of the Five Classics. He was the author of Shuowen Jiezi, which was the first comprehensive dictionary of Chinese characters, as well as the first to organize entries by radical.

What is China's version of the CIA? The three-minute video is the latest propaganda push by China's powerful civilian spy agency, the Ministry of State Security (MSS), to mentally arm the Chinese public against what it sees as the growing threat of foreign espionage.

Does China have spies in the United States? Cyberwarfare. China conducts political and corporate espionage to access the networks of financial, defense and technology companies and research institutions in the United States. Email attachments attempting to enter the networks of U.S. companies and organizations exploit security weaknesses in software.

How old is the world's oldest dictionary? The first recorded dictionaries date back to Sumerian times around 2300 BCE, in the form of bilingual dictionaries, and the oldest surviving monolingual dictionaries are Chinese dictionaries c. 3rd century

BCE.

What is the oldest written history in China? Oracle bone script is the oldest attested form of written Chinese, dating to the late 2nd millennium BC. Inscriptions were made by carving characters into oracle bones, usually either the shoulder bones of oxen or the plastrons of turtles.

What is the earliest Chinese dictionary? The circa 3rd-century BCE Erya ("Approaching Correctness") is the oldest extant Chinese dictionary, and scholarship reveals that it is a pre-Qin compilation of glosses to classical texts. It contains lists of synonyms arranged into 19 semantic categories (e.g., "Explaining Plants", "Explaining Trees").

What is the military intelligence of China? The mission of the Military Intelligence Bureau is to collect political and military intelligence on China, and even when necessary to plan espionage operations of sabotage, assassination, psychological warfare.

What is the Chinese intelligence threat? Among the most serious threats are China's efforts at cyber and human infiltration of U.S. national security organizations. These operations are not a recent phenomenon, but reports of Chinese espionage against the United States have risen significantly over the past 15 years.

What is the intelligence wing of Russia? Main Intelligence Directorate (GRU), since 2010 officially the Main Directorate of the General Staff of the Russian Armed Forces (GU), the primary intelligence service of the Russian Armed Forces and is reputedly Russia's largest foreign intelligence agency.

What is the Chinese name CIA? Cia is a last name commonly found in Indonesia among its Chinese community. It is the transliteration of a Chinese surname meaning: to thank, to apologize, to wither (of flowers, leaves etc), to decline.

How blockchain is used in energy trading? Blockchain makes transactions traceable, safe, and rapid. This technology encourages the generation and consumption of 100% renewable energy by improving the green energy supply's efficiency, flexibility, and transparency. Thus, it can reduce energy wastage and

make energy consumption more efficient.

Does EY use blockchain technology? EY OpsChain Contract Manager helps organizations run procurement activities using smart contracts on a public blockchain network. Learn more. Discover how EY 's blockchain-enabled technology can help your business deliver long-term value by improving brand equity, revenue & operational performance.

What is the blockchain for commodity markets? Transparency and Traceability Blockchain technology provides a transparent and immutable ledger that records every transaction in real-time. This means that every participant in the commodity trading process can see and verify the authenticity of every transaction.

What is the blockchain energy trading platform? The platform utilizes distributed ledger technology to record and verify energy transactions, ensuring transparency and immutability. Smart contracts are employed to automate trade execution and settlement, eliminating the need for intermediaries and reducing transaction costs.

How blockchain is applied in oil and gas? Physical commodity trading Oil & gas companies that leverage blockchain can improve trade accuracy, increase scheduling and back-office (e.g., invoicing and settlements) efficiency, accelerate access to trade data, and shorten the working capital cycle.

What are the technologies used in EY?

Who are the big 4 of the blockchain technology? Big 4 and innovation: investments in technology are growing. The four largest accounting firms, Deloitte, EY, PwC, and KPMG, known as “the Big 4”, have initiated an internal revolution to implement new technologies and grow. The blockchain is the technology with which they push their business toward the future.

Who is the head of blockchain EY? Paul Brody EY Global Blockchain Leader | EY - US.

How is blockchain used in trading? Blockchain technology offers greater transparency and a single source of truth for participants using supply chain networks. Intelligent track and trace of orders, goods, and delays via blockchain could expedite the sending and receipt of goods. In particular, blockchain provides

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the following benefits: Digitization.

How blockchain will affect financial markets? Blockchain can digitize the entire trade finance lifecycle with increased security and efficiency. It can enable more transparent governance, decreased processing times, lower capital requirements and reduced risks of fraud, human error, and overall counterparty risk.

How blockchains can help supply chains? With blockchain, supply chain companies can document production updates to a single shared ledger, which provides complete data visibility and a single source of truth. Because transactions are always time-stamped and up to date, companies can query a product's status and location at any point in time.

What are the challenges addressed by blockchain in the energy sector?
Challenges Facing Blockchain in the Energy Sector
Scalability: The energy sector requires handling a high volume of transactions, especially in decentralized grids. Current blockchain solutions need to evolve to manage this scale efficiently.
Regulatory Hurdles: The energy sector is heavily regulated.

What is an energy trading platform? Energy trading platforms focus on trading activities such as order management, trade execution, and market data provision. They typically do not cover risk management or back-office functions. On the other hand, ETRM systems offer a broader range of functionalities beyond trading.

Why does blockchain use so much energy? And mining uses powerful, purpose-built computer chips and software, plus a reliable Internet connection and air conditioning to keep CPUs cool as they churn away 24x7 at complex calculations. All of that consumes an enormous amount of electricity.

Which oil companies are using blockchain? BP, Shell, and Equinor Joint Venture are among the oil companies that have formed a partnership in the form of a consortium with banks and launched a blockchain platform called Vakt. It is aimed at digitalizing the trade in energy commodities, simplifying the complex transaction process, and reducing operational risks.

Where does gas go on blockchain? Gas is the fee required to successfully conduct a transaction or execute a contract on the Ethereum blockchain platform.

Fees are priced in tiny fractions of the cryptocurrency ether (ETH)—denominations called gwei (10⁻⁹ ETH). Gas is used to pay validators for the resources needed to conduct transactions.

How blockchain is used in midstream oil and gas industry? More specifically, blockchain assists in securing and simplifying oil and gas trading, shipment tracking, inventory control, documentation, and billing and payments. It simplifies the unwieldy and complex oil and gas supply chain processes by introducing transparency to the involved business processes.

How can blockchain be used in trading? With blockchain, customers can collect and manage non-fongible tokens, associated with physical products, and use these tokens to prove product authenticity and ownership, enabling safe secondary markets.

How does blockchain impact peer to peer energy trading? As P2P energy trading aims to decentralize energy transactions, blockchain aims to decentralize the data verification and storage needed to enable the energy transactions. Having these characteristics in mind, blockchain adds to : Reducing the transaction costs of energy trading (Tushar et al., 2021).

How is blockchain used in solar energy? Blockchain technology can enhance the efficiency and reliability of solar energy systems. By using blockchain, solar energy producers can securely record energy generation data, ensuring transparency and accuracy. This data can be used for monitoring and optimizing system performance.

What are the challenges addressed by blockchain in the energy sector?
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Terminologia Anatomica: International Anatomical Terminology Book and CD-ROM

Introduction:

Terminologia Anatomica is an internationally recognized reference work that establishes a standardized set of anatomical terms. It is published by the Federative International Programme on Anatomical Terminologies (FIPAT) and serves as a common language for medical professionals and students worldwide.

Q&A:

1. What is Terminologia Anatomica? A. Terminologia Anatomica is the official international anatomical terminology guide, providing a comprehensive and authoritative list of standardized anatomical terms.

2. Why is it important? A. It allows medical professionals to communicate precisely about human anatomy, reducing errors and improving patient care. It also facilitates research and education, as it provides a common reference point for all.

3. What does the Terminologia Anatomica Book Contain? A. The book includes over 7,000 anatomical terms in Latin, each with an English translation and an accompanying definition. It also provides detailed anatomical illustrations and diagrams.

4. What does the CD-ROM Contain? A. The CD-ROM offers a digital version of the book, with additional features such as search capabilities, cross-referencing, and access to the FIPAT website. It also includes interactive quizzes and study aids.

5. How is Terminologia Anatomica used? A. It is used by medical students, researchers, surgeons, nurses, and other healthcare professionals for studying, teaching, and practicing anatomy. It is also referred to in medical textbooks, journals, and clinical records.

What are the precursors for carbon fibers?

What is the precursor material for most of the carbon fiber produced in the world today? About 90% of carbon fibers are based on polyacrylonitrile (PAN), while a small amount is based on rayon or petroleum pitch, notably some higher modulus grades. The cost of producing carbon fibers is highly determined by the cost of producing the precursor PAN fiber, about 50%.

Can you use polyurethane on carbon fiber? Abstract. A hybrid sizing agent of polyurethane and silane is synthesized and used on carbon fibre surfaces with different sizing rates to enhance the interfacial bonding between carbon fibre and epoxy matrix in the composites.

Is carbon fiber ceramic? In materials science ceramic matrix composites (CMCs) are a subgroup of composite materials and a subgroup of ceramics. They consist of ceramic fibers embedded in a ceramic matrix. The fibers and the matrix both can consist of any ceramic material, including carbon and carbon fibers.

Which precursor would lead to high modulus carbon fiber? Polyacrylonitrile (PAN) polymer [1] was commercialized by the DuPont Company in 1950 and is the only precursor material from which currently high strength carbon fibers can be processed [2], [3], [4].

What is pre-impregnated carbon fiber? The term prepreg is short form for pre-impregnated fibres. Prepreg is a two-part sheet material consisting of fibres (e.g. carbon) and partially cured resin (e.g. epoxy).

Which country is the largest producer of carbon fiber? In 2020, the global carbon fiber industry boasted effective capacity of 167.9kt, about 13kt more than in 2019. The US, China and Japan had capacity of 37.3 kt, 36.2kt and 29.2k, separately, together sweeping over 60% of the global total.

What is the new type of carbon fiber? SGL Carbon will present a new 50k carbon fiber at JEC World 2023. The new SIGRAFIL® C T50-4.9/235 carbon fiber will match the high strength requirements for common pressure vessel designs and exhibits a high elongation capacity.

Who is the largest carbon fiber producer? Toray is the largest carbon fiber manufacturer in the world with a global capacity of 29,100 metric tons per year of TORAYCA™ carbon fiber produced in the United States, Japan, France, and South Korea.

What is the best coating for carbon fiber? UV stabilizing clear coats are a must for achieving the most for what carbon fiber parts are made for.

What is the protective coating for carbon Fibre? It is extremely important to protect these pieces. For this we recommend a ceramic coating. Ceramic coatings can act almost as a clear coat as they are extremely durable, long-lasting and chemical resistant.

What lacquer to use on carbon Fibre? Superior Clear Coating for Synthetic Fibres
Firstly, Mipa 2K-HS-Carbonic Lacquer is an acrylic clearcoat designed specifically for synthetic fibre substrates such as glass composites and carbon fibre composites.

Why is carbon-ceramic so expensive? Three main differences can be observed:
1) The material: cast iron is significantly cheaper than carbon. Furthermore, carbon-ceramic discs use higher-quality fasteners because the discs last longer than conventional versions and as such, the materials used also need to last longer.

Is carbon fiber a ceramic or polymer? Carbon fibers are usually combined with other materials to form a composite. For example, when permeated with a plastic resin and baked, it forms carbon-fiber-reinforced polymer (often referred to as carbon fiber), which has a very high strength-to-weight ratio and is extremely rigid although somewhat brittle.

Are carbon-ceramic worth it? The Advantages of Carbon Ceramic Brakes
Exceptional Braking Performance: Carbon ceramic brakes exhibit superior braking performance compared to cast iron brakes. They maintain their effectiveness under extreme temperatures, reducing brake fade and offering consistent stopping power even after repeated hard braking.

What are the precursors of carbon fiber? Carbon fiber is produced from a precursor fiber such as rayon, polyacrylonitrile (PAN), or mesophase pitch. The precursor is thermally decomposed, followed by heat treatment at high temperature to convert it to carbon.

What makes carbon fiber stronger? Carbon fiber is among the strongest materials on earth due to the chainlike bonds of its molecules. This structure is created during all of the chemical reactions and extreme temperature changes the fiber goes through while being made. The processes bind together thousands of small strands and mix them with an epoxy.

What is the ultimate strain of carbon fiber? The stiffness of a material is measured by its modulus of elasticity. The modulus of carbon fiber is typically 20 msi (138 Gpa) and its ultimate tensile strength is typically 500 ksi (3.5 Gpa).

What are the three types of carbon fiber?

Is Zylon stronger than carbon fiber? At the time, Zylon was the strongest human-made polymer on earth, with a tensile strength of 1.6 times that of Kevlar. PBO polymers were also the first human-made organic fiber in which the cross-sectional strength outperformed both steel and carbon fiber.

What is the best grade of carbon fiber? 24K Carbon Fiber This grade of carbon fiber is the strongest available, and is used in applications that require exceptional strength and durability, such as in spacecraft or high-performance race cars.

What are the precursors for carbon dots? The preparation of carbon quantum dots can be achieved through a variety of techniques utilizing organic reagents, which include polyamine [20], quaternary ammonium salt [21], gentamicin [22], poly(sodium-4-styrene sulfonate), polyvinylpyrrolidone [23], citric acid, polyethyleneimine [24] metronidazole [25], vitamin C ...

What is the precursor of fiber? Polyacrylonitrile (PAN) is the mostly used precursor for carbon fiber due to its superior strength and stability, and higher carbon yield. About 90% of the carbon fiber produced is made from PAN and the remaining 10% is made from rayon or petroleum pitch.

What are the precursors for activated carbon? Biochars are potential sustainable precursors for activated carbon production. Physical activation and chemical activation are applied in the production process. Production parameters affect the properties of resultant activated carbon.

What are the precursors for hard carbon? Various precursors, such as sucrose, glucose, polymer resin, and natural biomasses, have been used to prepare hard carbons for SIBs.

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